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Docket # 50-247
Control # 8203110003
Date 03-05-82 of Document
REGULATORY DOCKET FILE

DEADLINE RETURN DATE

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Indian Point Probabilistic Safety Study

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Volume 6

Copy No. 15

REGULATORY DOCKET FILE COPY

15:32:01 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
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AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
757 1021101001201211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
758 1021101001201211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
759 1021101001201210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
760 1021101001201202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
761 1021101001201202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
762 1021101001201202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
763 1021101001201202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
764 1021101001201202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
765 1021101001201202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
766 1021101001200111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.9999E+00		
767 1021101001200111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.1000E-03		
768 1021101001200111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		

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	A H O	B I P	C J Q	D K R	E L S	F M	G N
769 1021101001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
770 1021101001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
771 1021101001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
772 1021101001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .3000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
773 1021101001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
774 1021101001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
775 1021101001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
776 1021101001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
777 1021101001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
778 1021101001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
779 1021101001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .1000E-03
780 1021101000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01

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Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
781 1021101000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
782 1021101000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
783 1021101000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
784 1021101000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
785 1021101000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
786 1021101000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
787 1021101000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
788 1021101000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
789 1021101000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
790 1021101000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
791 1021101000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
792 1021101000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01

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	A H O	B I P	C J Q	D K R	E L S	F M	G N
793 1021101000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
794 1021101000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
795 1021101000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
796 1021101000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
797 1021101000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
798 1021101000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
799 1021101000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .3000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
800 1021101000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
801 1021101000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
802 1021101000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
803 1021101000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
804 1021101000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00

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	A H O	B I P	C J Q	D K R	E L S	F M	G N
805 1021101000210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
806 1021101000210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
807 1021101000202222111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9900E+00	.9999E+00		
808 1021101000202222110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9900E+00	.1000E-03		
809 1021101000202222102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-01	.1000E+01		
810 1021101000202222011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.9900E+00	.1000E-01		
811 1021101000202222010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.9900E+00	.9900E+00		
812 1021101000202222002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.1000E-01	.1000E+01		
813 1021100222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
814 1021022222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
815 1020111122222222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
816 1020111012121211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:32:01 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
817 1020111012121211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
818 1020111012121211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
819 1020111012121211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
820 1020111012121211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
821 1020111012121211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
822 1020111012121210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
823 1020111012121202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
824 1020111012121202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
825 1020111012121202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
826 1020111012121202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
827 1020111012121202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
828 1020111012121202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		

15:32:01 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
829 1020111012120111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.9999E+00		
830 1020111012120111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.1000E-03		
831 1020111012120111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		
832 1020111012120111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.1000E+00		
833 1020111012120111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.9000E+00		
834 1020111012120111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.1000E-03	.1000E+01		
835 1020111012120110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.3000E-03	.1000E+01	.1000E+01	.1000E+01		
836 1020111012120102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
837 1020111012120102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
838 1020111012120102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
839 1020111012120102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
840 1020111012120102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		

15:32:01 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
841 1020111012120102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .5960E-07 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
842 1020111012120022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .5960E-07 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03
843 1020111012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .5960E-07 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-11 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
844 1020111001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
845 1020111001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
846 1020111001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
847 1020111001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
848 1020111001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
849 1020111001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
850 1020111001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
851 1020111001211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
852 1020111001211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01

15:32:01 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
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AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
853	1020111001211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
854	1020111001211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
855	1020111001211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
856	1020111001211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
857	1020111001210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.9999E+00	.9999E+00	.9999E+00		
858	1020111001210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.9999E+00	.9999E+00	.1000E-03		
859	1020111001210111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		
860	1020111001210111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.1000E-03	.9999E+00	.1000E+00		
861	1020111001210111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.1000E-03	.9999E+00	.9000E+00		
862	1020111001210111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.1000E-03	.1000E-03	.1000E+01		
863	1020111001210110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.3000E-03	.1000E+01	.1000E+01	.1000E+01		
864	1020111001210102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

15:32:01 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
865 1020111001210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
866 1020111001210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
867 1020111001210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
868 1020111001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
869 1020111001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
870 1020111001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03
871 1020111001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
872 1020111001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
873 1020111001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
874 1020111001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
875 1020111001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
876 1020111001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01

15:32:01 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
877 1020111001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
878 1020111001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
879 1020111001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
880 1020111001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
881 1020111001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
882 1020111001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
883 1020111001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
884 1020111001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
885 1020111001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
886 1020111001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
887 1020111001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
888 1020111001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00

15:32:01 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
889 1020111001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
890 1020111001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .3000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
891 1020111001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
892 1020111001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
893 1020111001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
894 1020111001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
895 1020111001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
896 1020111001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
897 1020111001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03
898 1020111000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
899 1020111000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
900 1020111000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01

15:32:01 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
901 1020111000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
902 1020111000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
903 1020111000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
904 1020111000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
905 1020111000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
906 1020111000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
907 1020111000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
908 1020111000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
909 1020111000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
910 1020111000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
911 1020111000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
912 1020111000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9997E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00

15:32:01 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
913 1020111000210111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		
914 1020111000210111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.1000E+00		
915 1020111000210111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.9000E+00		
916 1020111000210111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.1000E-03	.1000E+01		
917 1020111000210110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.3000E-03	.1000E+01	.1000E+01	.1000E+01		
918 1020111000210102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
919 1020111000210102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
920 1020111000210102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
921 1020111000210102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
922 1020111000210102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
923 1020111000210102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
924 1020111000210022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:32:01 30-Jun-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
925 1020111000202222111	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9900E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E+01	.1000E+01 .1000E+01
926 1020111000202222110	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9900E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E+01	.1000E+01 .1000E+01
927 1020111000202222102	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
928 1020111000202222011	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9900E+00	.9999E+00 .1000E-03 .1000E-01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
929 1020111000202222010	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9900E+00	.9999E+00 .1000E-03 .9900E+00	.1000E+00 .1000E+01	.1000E+01 .1000E+01
930 1020111000202222002	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
931 1020110222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+01	.1000E-11 .1000E+01
932 1020101122222222222	.1000E+01 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
933 1020101012121211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .5960E-07 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
934 1020101012121211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .5960E-07 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
935 1020101012121211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .5960E-07 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
936 1020101012121211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .5960E-07 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01

15:32:01 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS TML8 CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
937 1020101012121211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
938 1020101012121211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
939 1020101012121210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
940 1020101012121202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
941 1020101012121202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
942 1020101012121202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
943 1020101012121202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
944 1020101012121202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
945 1020101012121202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
946 1020101012120111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.9999E+00		
947 1020101012120111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.1000E-03		
948 1020101012120111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		

15:32:01 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
949 1020101012120111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.1000E+00		
950 1020101012120111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.9000E+00		
951 1020101012120111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.1000E-03	.1000E+01		
952 1020101012120110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.3000E-03	.1000E+01	.1000E+01	.1000E+01		
953 1020101012120102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
954 1020101012120102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
955 1020101012120102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
956 1020101012120102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
957 1020101012120102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
958 1020101012120102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
959 1020101012120022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
960 1020101012022222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.5960E-07	.1000E+01	.1000E-11	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:32:01 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
961 1020101001211211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
962 1020101001211211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
963 1020101001211211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
964 1020101001211211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
965 1020101001211211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
966 1020101001211211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
967 1020101001211210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
968 1020101001211202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
969 1020101001211202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
970 1020101001211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
971 1020101001211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
972 1020101001211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		

15:32:01 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
973 1020101001211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
974 1020101001210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.9999E+00		
975 1020101001210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.1000E-03		
976 1020101001210111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		
977 1020101001210111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.1000E+00		
978 1020101001210111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.9000E+00		
979 1020101001210111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.1000E-03	.1000E+01		
980 1020101001210110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.3000E-03	.1000E+01	.1000E+01	.1000E+01		
981 1020101001210102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
982 1020101001210102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
983 1020101001210102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
984 1020101001210102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		

15:32:01 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
985 1020101001210102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
986 1020101001210102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
987 1020101001210022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
988 1020101001201211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
989 1020101001201211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
990 1020101001201211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
991 1020101001201211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
992 1020101001201211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
993 1020101001201211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
994 1020101001201210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
995 1020101001201202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
996 1020101001201202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

15:32:01 30-Jun-81

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AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
997	1020101001201202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
998	1020101001201202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
999	1020101001201202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
1000	1020101001201202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
1001	1020101001200111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.9999E+00	.9999E+00	.9999E+00		
1002	1020101001200111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.9999E+00	.9999E+00	.1000E-03		
1003	1020101001200111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		
1004	1020101001200111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.1000E-03	.9999E+00	.1000E+00		
1005	1020101001200111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.1000E-03	.9999E+00	.9000E+00		
1006	1020101001200111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9997E+00	.1000E-03	.1000E-03	.1000E+01		
1007	1020101001200110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.3000E-03	.1000E+01	.1000E+01	.1000E+01		
1008	1020101001200102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

15:32:01 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1009 1020101001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1010 1020101001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1011 1020101001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1012 1020101001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1013 1020101001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1014 1020101001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .1000E-03
1015 1020101000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
1016 1020101000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
1017 1020101000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
1018 1020101000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
1019 1020101000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
1020 1020101000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01

15:32:01 30-Jun-81

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AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1021 1020101000211210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
1022 1020101000211202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
1023 1020101000211202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
1024 1020101000211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
1025 1020101000211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
1026 1020101000211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
1027 1020101000211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
1028 1020101000210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.9999E+00		
1029 1020101000210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.9999E+00	.1000E-03		
1030 1020101000210111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.9999E+00	.1000E-03	.1000E+01		
1031 1020101000210111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.1000E+00		
1032 1020101000210111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.9999E+00	.9000E+00		

15:32:01 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1033 1020101000210111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9997E+00	.1000E-03	.1000E-03	.1000E+01		
1034 1020101000210110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.3000E-03	.1000E+01	.1000E+01	.1000E+01		
1035 1020101000210102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
1036 1020101000210102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
1037 1020101000210102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
1038 1020101000210102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
1039 1020101000210102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
1040 1020101000210102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
1041 1020101000210022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
1042 1020101000202222111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9900E+00	.9999E+00		
1043 1020101000202222110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9900E+00	.1000E-03		
1044 1020101000202222102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-01	.1000E+01		

15:32:01 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.AEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.AEIP
AE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G,I,K ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1045 1020101000202222011	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9900E+00	.9999E+00 .1000E-03 .1000E-01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
1046 1020101000202222010	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9900E+00	.9999E+00 .1000E-03 .9900E+00	.9000E+00 .1000E+01	.1000E+01 .1000E+01
1047 1020101000202222002	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
1048 1020100222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .1000E+01	.1000E-11 .1000E+01
1049 1020022222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
1050 0222222222222222222	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01

2.6.4.2 Containment Response Class II (CRC II)

The basic attributes of a Class II challenge to containment are the same as those of Class I (Section 2.6.3.1) except that safety injection and the containment safeguards are initiated, but only operate until switch-over to recirculation is attempted, at which time they become in-operative for the remainder of the transient.

This class is comprised of containment event tree entry states ALFC, ALF, and ALC.

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1   DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
1	1111111122222222222	.1000E+01 .1000E-03 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
2	1111111012111211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
3	1111111012111211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
4	1111111012111211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
5	1111111012111211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
6	1111111012111211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
7	1111111012111211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
8	1111111012111210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
9	1111111012111202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
10	1111111012111202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
11	1111111012111202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
12	1111111012111202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
13 1111111012111202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
14 1111111012111202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
15 1111111012110111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
16 1111111012110111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
17 1111111012110111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
18 1111111012110111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
19 1111111012110111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
20 1111111012110111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
21 1111111012110110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
22 1111111012110102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
23 1111111012110102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
24 1111111012110102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
25 1111111012110102011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
26 1111111012110102010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
27 1111111012110102002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
28 1111111012110022222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
29 1111111012101211111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
30 1111111012101211110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
31 1111111012101211102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
32 1111111012101211011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
33 1111111012101211010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
34 1111111012101211002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
35 1111111012101210222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
36 1111111012101202111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

15:34:13 30-Jun-91

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A M O	B I P	C J Q	D K R	E L S	F M	G N
37 1111111012101202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
38 1111111012101202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
39 1111111012101202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
40 1111111012101202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
41 1111111012101202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
42 1111111012100111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
43 1111111012100111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
44 1111111012100111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
45 1111111012100111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
46 1111111012100111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
47 1111111012100111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
48 1111111012100110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
49 1111111012100102111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
50 1111111012100102110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
51 1111111012100102102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
52 1111111012100102011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
53 1111111012100102010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
54 1111111012100102002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
55 1111111012100022222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
56 1111111012022222222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E-11	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
57 1111111001211211111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
58 1111111001211211110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
59 1111111001211211102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
60 1111111001211211011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		

15:34:13 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
61	1111111001211211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
62	1111111001211211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
63	1111111001211210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
64	1111111001211202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
65	1111111001211202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
66	1111111001211202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
67	1111111001211202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
68	1111111001211202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
69	1111111001211202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
70	1111111001210111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
71	1111111001210111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
72	1111111001210111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
73 1111111001210111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
74 1111111001210111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
75 1111111001210111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
76 1111111001210110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
77 1111111001210102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
78 1111111001210102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
79 1111111001210102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
80 1111111001210102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
81 1111111001210102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
82 1111111001210102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
83 1111111001210022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .1000E-03
84 1111111001201211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
85 1111111001201211110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
86 1111111001201211102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
87 1111111001201211011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
88 1111111001201211010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
89 1111111001201211002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
90 1111111001201210222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
91 1111111001201202111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
92 1111111001201202110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
93 1111111001201202102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
94 1111111001201202011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
95 1111111001201202010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
96 1111111001201202002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
97	1111111001200111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
98	1111111001200111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
99	1111111001200111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
100	1111111001200111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
101	1111111001200111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
102	1111111001200111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
103	1111111001200110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
104	1111111001200102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
105	1111111001200102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
106	1111111001200102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
107	1111111001200102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
108	1111111001200102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
109 1111111001200102002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
110 1111111001200022222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
111 1111111000211211111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
112 1111111000211211110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
113 1111111000211211102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
114 1111111000211211011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
115 1111111000211211010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
116 1111111000211211002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
117 1111111000211210222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
118 1111111000211202111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
119 1111111000211202110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
120 1111111000211202102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
121 1111111000211202011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
122 1111111000211202010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
123 1111111000211202002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
124 1111111000210111111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
125 1111111000210111110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
126 1111111000210111102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
127 1111111000210111011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
128 1111111000210111010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
129 1111111000210111002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
130 1111111000210110222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
131 1111111000210102111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
132 1111111000210102110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
133 1111111000210102102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
134 1111111000210102011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
135 1111111000210102010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
136 1111111000210102002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
137 1111111000210022222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
138 1111111000202222111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.1000E-01		
139 1111111000202222110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.9900E+00		
140 1111111000202222102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
141 1111111000202222011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E-01		
142 1111111000202222010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.9900E+00		
143 1111111000202222002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E+01		
144 1111110222222222222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
145 1111101122222222222	.1000E+01 .1000E-03 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
146 1111101012111211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
147 1111101012111211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
148 1111101012111211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
149 1111101012111211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
150 1111101012111211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
151 1111101012111211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
152 1111101012111210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
153 1111101012111202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
154 1111101012111202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
155 1111101012111202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
156 1111101012111202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
157 111110101211120201 0	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
158 111110101211120200 2	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
159 111110101211011111 1	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
160 111110101211011111 0	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
161 111110101211011110 2	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
162 111110101211011101 1	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
163 111110101211011101 0	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
164 111110101211011100 2	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
165 111110101211011022 2	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
166 111110101211010211 1	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
167 111110101211010211 0	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
168 111110101211010210 2	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
169 1111101012110102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
170 1111101012110102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
171 1111101012110102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
172 1111101012110022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .1000E-03
173 1111101012101211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
174 1111101012101211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
175 1111101012101211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
176 1111101012101211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
177 1111101012101211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
178 1111101012101211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
179 1111101012101210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
180 1111101012101202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
181 1111101012101202110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
182 1111101012101202102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
183 1111101012101202011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
184 1111101012101202010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
185 1111101012101202002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
186 1111101012100111111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
187 1111101012100111110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
188 1111101012100111102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
189 1111101012100111011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+00		
190 1111101012100111010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
191 1111101012100111002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
192 1111101012100110222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
193	1111101012100102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
194	1111101012100102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
195	1111101012100102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
196	1111101012100102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
197	1111101012100102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
198	1111101012100102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
199	1111101012100022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .1000E-03
200	1111101012022222222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-11 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
201	1111101001211211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
202	1111101001211211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
203	1111101001211211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
204	1111101001211211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
205 1111101001211211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
206 1111101001211211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
207 1111101001211210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
208 1111101001211202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
209 1111101001211202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
210 1111101001211202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
211 1111101001211202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
212 1111101001211202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
213 1111101001211202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
214 1111101001210111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
215 1111101001210111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
216 1111101001210111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
217 1111101001210111011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
218 1111101001210111010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
219 1111101001210111002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
220 1111101001210110222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
221 1111101001210102111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
222 1111101001210102110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
223 1111101001210102102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
224 1111101001210102011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
225 1111101001210102010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
226 1111101001210102002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
227 1111101001210022222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
228 1111101001201211111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
229 1111101001201211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
230 1111101001201211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
231 1111101001201211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
232 1111101001201211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
233 1111101001201211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
234 1111101001201210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
235 1111101001201202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
236 1111101001201202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
237 1111101001201202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
238 1111101001201202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
239 1111101001201202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
240 1111101001201202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
241	1111101001200111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
242	1111101001200111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
243	1111101001200111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
244	1111101001200111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
245	1111101001200111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
246	1111101001200111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
247	1111101001200110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
248	1111101001200102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
249	1111101001200102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
250	1111101001200102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
251	1111101001200102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
252	1111101001200102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
253 1111101001200102002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
254 1111101001200022222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
255 1111101000211211111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
256 1111101000211211110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
257 1111101000211211102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
258 1111101000211211011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
259 1111101000211211010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
260 1111101000211211002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
261 1111101000211210222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
262 1111101000211202111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
263 1111101000211202110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
264 1111101000211202102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
265 1111101000211202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
266 1111101000211202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
267 1111101000211202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
268 1111101000210111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
269 1111101000210111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
270 1111101000210111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
271 1111101000210111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
272 1111101000210111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
273 1111101000210111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
274 1111101000210110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
275 1111101000210102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
276 1111101000210102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
277 1111101000210102102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
278 1111101000210102011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
279 1111101000210102010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
280 1111101000210102002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
281 1111101000210022222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
282 1111101000202222111	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.1000E-01		
283 1111101000202222110	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.9900E+00		
284 1111101000202222102	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
285 1111101000202222011	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E-01		
286 1111101000202222010	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.9900E+00		
287 1111101000202222002	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E+01		
288 1111100222222222222	.1000E+01	.9990E+00	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
289	1111022222222222222	.1000E+01 .1000E+01 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
290	1110111122222222222	.1000E+01 .1000E-03 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
291	1110111012121211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
292	1110111012121211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
293	1110111012121211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
294	1110111012121211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
295	1110111012121211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
296	1110111012121211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
297	1110111012121210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
298	1110111012121202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
299	1110111012121202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
300	1110111012121202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
301 1110111012121202011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
302 1110111012121202010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
303 1110111012121202002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
304 1110111012120111111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
305 1110111012120111110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
306 1110111012120111102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
307 1110111012120111011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
308 1110111012120111010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
309 1110111012120111002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
310 1110111012120110222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
311 1110111012120102111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
312 1110111012120102110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
313 111011101212010210 2	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
314 11101110121201020 11	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
315 1110111012120102010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
316 11101110121201020 02	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
317 1110111012120022222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
318 11101110120222222 2	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E-11	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
319 11101110012112111 11	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
320 11101110012112111 10	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
321 11101110012112111 02	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
322 1110111001211211 011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
323 1110111001211211010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
324 1110111001211211002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
325	1110111001211210222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
326	1110111001211202111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
327	1110111001211202110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
328	1110111001211202102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
329	1110111001211202011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
330	1110111001211202010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
331	1110111001211202002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
332	1110111001210111111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
333	1110111001210111110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
334	1110111001210111102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
335	1110111001210111011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
336	1110111001210111010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
337	1110111001210111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
338	1110111001210110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
339	1110111001210102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
340	1110111001210102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
341	1110111001210102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
342	1110111001210102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
343	1110111001210102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
344	1110111001210102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
345	1110111001210022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03
346	1110111001201211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
347	1110111001201211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
348	1110111001201211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
349	1110111001201211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
350	1110111001201211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
351	1110111001201211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
352	1110111001201210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
353	1110111001201202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
354	1110111001201202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
355	1110111001201202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
356	1110111001201202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
357	1110111001201202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
358	1110111001201202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
359	1110111001200111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
360	1110111001200111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
361 1110111001200111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
362 1110111001200111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
363 1110111001200111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
364 1110111001200111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
365 1110111001200110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
366 1110111001200102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
367 1110111001200102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
368 1110111001200102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
369 1110111001200102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
370 1110111001200102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
371 1110111001200102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
372 1110111001200022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
373	1110111000211211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
374	1110111000211211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
375	1110111000211211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
376	1110111000211211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
377	1110111000211211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
378	1110111000211211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
379	1110111000211210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
380	1110111000211202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
381	1110111000211202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
382	1110111000211202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
383	1110111000211202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
384	1110111000211202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
385 1110111000211202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
386 1110111000210111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
387 1110111000210111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
388 1110111000210111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
389 1110111000210111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
390 1110111000210111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
391 1110111000210111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
392 1110111000210110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
393 1110111000210102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
394 1110111000210102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
395 1110111000210102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
396 1110111000210102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
397 1110111000210102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
398 1110111000210102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
399 1110111000210022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03
400 1110111000202222111	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
401 1110111000202222110	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9900E+00	.1000E+00 .1000E+01	.1000E+01 .1000E+01
402 1110111000202222102	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
403 1110111000202222011	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .5000E+00	.9999E+00 .1000E-03 .1000E-01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
404 1110111000202222010	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .5000E+00	.9999E+00 .1000E-03 .9900E+00	.1000E+00 .1000E+01	.1000E+01 .1000E+01
405 1110111000202222002	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .5000E+00	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
406 1110110222222222222	.1000E+01 .1000E+01 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+01	.1000E-11 .1000E+01
407 1110101122222222222	.1000E+01 .1000E-03 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
408 1110101012121211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
409	1110101012121211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
410	1110101012121211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
411	1110101012121211011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
412	1110101012121211010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
413	1110101012121211002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
414	1110101012121210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
415	1110101012121202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
416	1110101012121202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
417	1110101012121202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
418	1110101012121202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
419	1110101012121202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
420	1110101012121202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
421	1110101012120111111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
422	1110101012120111110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
423	1110101012120111102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
424	1110101012120111011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
425	1110101012120111010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
426	1110101012120111002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
427	1110101012120110222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
428	1110101012120102111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
429	1110101012120102110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
430	1110101012120102102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
431	1110101012120102011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
432	1110101012120102010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
433 1110101012120102002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
434 1110101012120022222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
435 1110101012022222222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E-11	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
436 1110101001211211111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
437 1110101001211211110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
438 1110101001211211102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
439 1110101001211211011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
440 1110101001211211010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
441 1110101001211211002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
442 1110101001211210222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
443 1110101001211202111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
444 1110101001211202110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

15:34:13 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
445	1110101001211202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
446	1110101001211202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
447	1110101001211202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
448	1110101001211202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
449	1110101001210111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
450	1110101001210111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E+00	.1000E+01 .9999E+00
451	1110101001210111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
452	1110101001210111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
453	1110101001210111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
454	1110101001210111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
455	1110101001210110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
456	1110101001210102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
457	1110101001210102110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
458	1110101001210102102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
459	1110101001210102011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
460	1110101001210102010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
461	1110101001210102002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
462	1110101001210022222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
463	1110101001201211111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
464	1110101001201211110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
465	1110101001201211102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
466	1110101001201211011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
467	1110101001201211010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
468	1110101001201211002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
469 1110101001201210222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
470 1110101001201202111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
471 1110101001201202110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
472 1110101001201202102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
473 1110101001201202011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
474 1110101001201202010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
475 1110101001201202002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
476 1110101001200111111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
477 1110101001200111110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E+00	.1000E+01 .9999E+00
478 1110101001200111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
479 1110101001200111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
480 1110101001200111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
481 1110101001200111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
482 1110101001200110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
483 1110101001200102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
484 1110101001200102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E+00	.1000E+01 .9999E+00
485 1110101001200102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
486 1110101001200102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
487 1110101001200102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
488 1110101001200102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
489 1110101001200022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .1000E-03
490 1110101000211211111	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
491 1110101000211211110	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
492 1110101000211211102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
493 1110101000211211011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
494 1110101000211211010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
495 1110101000211211002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
496 1110101000211210222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
497 1110101000211202111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
498 1110101000211202110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
499 1110101000211202102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
500 1110101000211202011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
501 1110101000211202010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
502 1110101000211202002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
503 1110101000210111111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
504 1110101000210111110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

15:34:13 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
505 1110101000210111102	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
506 1110101000210111011	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
507 1110101000210111010	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
508 1110101000210111002	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
509 1110101000210110222	.1000E+01 .9999E+00 .1000E-03	.9990E+00 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
510 1110101000210102111	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
511 1110101000210102110	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E+00	.1000E+01 .9999E+00
512 1110101000210102102	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
513 1110101000210102011	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
514 1110101000210102010	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
515 1110101000210102002	.1000E+01 .9999E+00 .9999E+00	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
516 1110101000210022222	.1000E+01 .9999E+00 .1000E+01	.9990E+00 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .1000E-03

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
517 1110101000202222111	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.1000E-01		
518 1110101000202222110	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.9900E+00		
519 1110101000202222102	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
520 1110101000202222011	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E-01		
521 1110101000202222010	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.9900E+00		
522 1110101000202222002	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E+01		
523 1110100222222222222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
524 1110022222222222222	.1000E+01	.9990E+00	.1000E+01	.1000E+00	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
525 1102222222222222222	.1000E+01	.9990E+00	.1000E-11	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
526 1021111122222222222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
527 1021111012111211111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
528 1021111012111211110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
529 1021111012111211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
530 1021111012111211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
531 1021111012111211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
532 1021111012111211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
533 1021111012111210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
534 1021111012111202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
535 1021111012111202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
536 1021111012111202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
537 1021111012111202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
538 1021111012111202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
539 1021111012111202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
540 1021111012110111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
541 1021111012110111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
542 1021111012110111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
543 1021111012110111011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
544 1021111012110111010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
545 1021111012110111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
546 1021111012110110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
547 1021111012110102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
548 1021111012110102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
549 1021111012110102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
550 1021111012110102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
551 1021111012110102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
552 1021111012110102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
553 1021111012110022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .1000E-03
554 1021111012101211111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
555 1021111012101211110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
556 1021111012101211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
557 1021111012101211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
558 1021111012101211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
559 1021111012101211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
560 1021111012101210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
561 1021111012101202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
562 1021111012101202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
563 1021111012101202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
564 1021111012101202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
565 1021111012101202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
566 1021111012101202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
567 1021111012100111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
568 1021111012100111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
569 1021111012100111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
570 1021111012100111011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
571 1021111012100111010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
572 1021111012100111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
573 1021111012100110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
574 1021111012100102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
575 1021111012100102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
576 1021111012100102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
577 1021111012100102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
578 1021111012100102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
579 1021111012100102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
580 1021111012100022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .1000E-03
581 1021111012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-11 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+01	.1000E+01 .1000E+01
582 1021111001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
583 1021111001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
584 1021111001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
585 1021111001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
586 1021111001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
587 1021111001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
588 1021111001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
589 1021111001211202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
590 1021111001211202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
591 1021111001211202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
592 1021111001211202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
593 1021111001211202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
594 1021111001211202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
595 1021111001210111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
596 1021111001210111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
597 1021111001210111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
598 1021111001210111011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
599 1021111001210111010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
600 1021111001210111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
601 1021111001210110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
602 1021111001210102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
603 1021111001210102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
604 1021111001210102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
605 1021111001210102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
606 1021111001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
607 1021111001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00
608 1021111001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .1000E-03
609 1021111001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
610 1021111001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
611 1021111001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
612 1021111001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
613 1021111001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
614 1021111001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
615 1021111001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
616 1021111001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
617 1021111001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
618 1021111001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
619 1021111001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
620 1021111001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
621 1021111001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
622 1021111001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .1000E-03	.1000E+01 .9999E+00
623 1021111001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .1000E-03	.1000E+01 .9999E+00
624 1021111001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
625 1021111001200111011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
626 1021111001200111010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
627 1021111001200111002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
628 1021111001200110222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
629 1021111001200102111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
630 1021111001200102110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
631 1021111001200102102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
632 1021111001200102011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
633 1021111001200102010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
634 1021111001200102002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
635 1021111001200022222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
636 1021111000211211111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
637 1021111000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
638 1021111000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
639 1021111000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
640 1021111000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
641 1021111000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
642 1021111000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
643 1021111000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
644 1021111000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9999E+00	.1000E+01 .1000E+01
645 1021111000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01
646 1021111000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
647 1021111000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9999E+00	.1000E+01 .1000E+01
648 1021111000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
649 102111100021011111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
650 102111100021011110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
651 102111100021011102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
652 102111100021011011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
653 102111100021011010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
654 102111100021011002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
655 102111100021011022 2	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
656 102111100021010211 1	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
657 102111100021010211 0	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
658 102111100021010210 2	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
659 102111100021010201 1	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
660 102111100021010201 0	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML9 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
661 1021111000210102002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
662 1021111000210022222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
663 1021111000202222111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.1000E-01		
664 1021111000202222110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.9900E+00		
665 1021111000202222102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
666 1021111000202222011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E-01		
667 1021111000202222010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.9900E+00		
668 1021111000202222002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E+01		
669 1021110222222222222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.1000E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
670 1021101122222222222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
671 1021101012111211111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
672 1021101012111211110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
673 1021101012111211102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
674 1021101012111211011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
675 1021101012111211010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
676 1021101012111211002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
677 1021101012111210222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
678 1021101012111202111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
679 1021101012111202110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
680 1021101012111202102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
681 1021101012111202011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
682 1021101012111202010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
683 1021101012111202002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
684 1021101012110111111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
685 1021101012110111110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
686 1021101012110111102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
687 1021101012110111011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
688 1021101012110111010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
689 1021101012110111002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
690 1021101012110110222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
691 1021101012110102111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
692 1021101012110102110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
693 1021101012110102102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
694 1021101012110102011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
695 1021101012110102010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
696 1021101012110102002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
697 1021101012110022222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
698 1021101012101211111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
699 1021101012101211110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
700 1021101012101211102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
701 1021101012101211011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
702 1021101012101211010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
703 1021101012101211002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
704 1021101012101210222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
705 1021101012101202111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
706 1021101012101202110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
707 1021101012101202102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
708 1021101012101202011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
709 1021101012101202010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
710 1021101012101202002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
711 1021101012100111111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
712 1021101012100111110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
713 1021101012100111102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
714 1021101012100111011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
715 1021101012100111010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
716 1021101012100111002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
717 1021101012100110222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
718 1021101012100102111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
719 1021101012100102110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
720 1021101012100102102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
721 1021101012100102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
722 1021101012100102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
723 1021101012100102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
724 1021101012100022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .1000E-03
725 1021101012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-11 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
726 1021101001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
727 1021101001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
728 1021101001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
729 1021101001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
730 1021101001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
731 1021101001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
732 1021101001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
733	1021101001211202111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
734	1021101001211202110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
735	1021101001211202102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
736	1021101001211202011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
737	1021101001211202010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
738	1021101001211202002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
739	1021101001210111111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
740	1021101001210111110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
741	1021101001210111102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
742	1021101001210111011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
743	1021101001210111010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
744	1021101001210111002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
745 1021101001210110222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
746 1021101001210102111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
747 1021101001210102110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
748 1021101001210102102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
749 1021101001210102011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
750 1021101001210102010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
751 1021101001210102002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
752 1021101001210022222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
753 1021101001201211111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
754 1021101001201211110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
755 1021101001201211102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
756 1021101001201211011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
757 1021101001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
758 1021101001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
759 1021101001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
760 1021101001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
761 1021101001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .9999E+00	.1000E+01 .1000E+01
762 1021101001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
763 1021101001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
764 1021101001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .9999E+00	.1000E+01 .1000E+01
765 1021101001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9999E+00	.1000E+01 .1000E+01
766 1021101001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
767 1021101001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
768 1021101001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
769 1021101001200111011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
770 1021101001200111010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
771 1021101001200111002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
772 1021101001200110222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
773 1021101001200102111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
774 1021101001200102110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
775 1021101001200102102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
776 1021101001200102011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
777 1021101001200102010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
778 1021101001200102002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
779 1021101001200022222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
780 1021101000211211111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
781 1021101000211211110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
782 1021101000211211102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
783 1021101000211211011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
784 1021101000211211010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
785 1021101000211211002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
786 1021101000211210222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
787 1021101000211202111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
788 1021101000211202110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
789 1021101000211202102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
790 1021101000211202011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
791 1021101000211202010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
792 1021101000211202002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
793	1021101000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
794	1021101000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
795	1021101000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
796	1021101000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
797	1021101000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
798	1021101000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
799	1021101000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
800	1021101000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
801	1021101000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E-03	.1000E+01 .9999E+00
802	1021101000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E-03	.1000E+01 .9999E+00
803	1021101000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00
804	1021101000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E-03	.1000E+01 .9999E+00

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
805 1021101000210102002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
806 1021101000210022222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
807 1021101000202222111	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.1000E-01		
808 1021101000202222110	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9990E+00	.9900E+00		
809 1021101000202222102	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
810 1021101000202222011	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E-01		
811 1021101000202222010	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.9900E+00		
812 1021101000202222002	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E+01		
813 1021100222222222222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.9999E+00	.9000E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
814 1021022222222222222	.1000E+01	.9999E-03	.1000E+01	.9000E+00	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
815 1020111122222222222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
816 1020111012121211111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
817 1020111012121211110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
818 1020111012121211102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
819 1020111012121211011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
820 1020111012121211010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
821 1020111012121211002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
822 1020111012121210222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
823 1020111012121202111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
824 1020111012121202110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
825 1020111012121202102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
826 1020111012121202011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
827 1020111012121202010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
828 1020111012121202002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
829 1020111012120111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
830 1020111012120111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
831 1020111012120111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
832 1020111012120111011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
833 1020111012120111010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
834 1020111012120111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
835 1020111012120110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
836 1020111012120102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
837 1020111012120102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
838 1020111012120102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
839 1020111012120102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
840 1020111012120102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
841	10201110121201020 02	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
842	1020111012120022222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
843	1020111012022222222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E-11	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
844	1020111001211211111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
845	1020111001211211110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
846	1020111001211211102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
847	1020111001211211011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
848	1020111001211211010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
849	1020111001211211002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
850	1020111001211210222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
851	1020111001211202111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
852	1020111001211202110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

15:34:13 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H C	B I P	C J Q	D K R	E L S	F M	G N
853 1020111001211202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
854 1020111001211202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
855 1020111001211202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
856 1020111001211202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
857 1020111001210111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
858 1020111001210111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
859 1020111001210111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
860 1020111001210111011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
861 1020111001210111010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
862 1020111001210111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
863 1020111001210110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
864 1020111001210102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
865 1020111001210102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
866 1020111001210102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
867 1020111001210102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
868 1020111001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
869 1020111001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
870 1020111001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03
871 1020111001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
872 1020111001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
873 1020111001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
874 1020111001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
875 1020111001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
876 1020111001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
877 1020111001201210222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
878 1020111001201202111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
879 1020111001201202110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
880 1020111001201202102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
881 1020111001201202011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
882 1020111001201202010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
883 1020111001201202002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
884 1020111001200111111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
885 1020111001200111110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
886 1020111001200111102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
887 1020111001200111011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
888 1020111001200111010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
889 1020111001200111002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
890 1020111001200110222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
891 1020111001200102111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
892 1020111001200102110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
893 1020111001200102102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
894 1020111001200102011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
895 1020111001200102010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
896 1020111001200102002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
897 1020111001200022222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
898 1020111000211211111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
899 1020111000211211110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
900 1020111000211211102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
901 1020111000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
902 1020111000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
903 1020111000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
904 1020111000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
905 1020111000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
906 1020111000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .9000E+00	.1000E+01 .1000E+01
907 1020111000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
908 1020111000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
909 1020111000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .9000E+00	.1000E+01 .1000E+01
910 1020111000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .9000E+00	.1000E+01 .1000E+01
911 1020111000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
912 1020111000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
913 1020111000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
914 1020111000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
915 1020111000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
916 1020111000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
917 1020111000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
918 1020111000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
919 1020111000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E+00 .1000E+00	.1000E+01 .9999E+00
920 1020111000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
921 1020111000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
922 1020111000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.1000E+00 .1000E+00	.1000E+01 .9999E+00
923 1020111000210102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .9999E+00
924 1020111000210022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E+00 .1000E+00	.1000E+01 .1000E-03

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
925	1020111000202222111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E-03	.9990E+00	.1000E-01		
926	1020111000202222110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E-03	.9990E+00	.9900E+00		
927	1020111000202222102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
928	1020111000202222011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E-01		
929	1020111000202222010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.9999E+00	.5000E+00	.9900E+00		
930	1020111000202222002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E+01		
931	1020110222222222222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.1000E+00	.1000E-11
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
932	1020101122222222222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
933	1020101012121211111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
934	1020101012121211110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
935	1020101012121211102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
936	1020101012121211011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
937	1020101012121211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
938	1020101012121211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
939	1020101012121210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
940	1020101012121202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
941	1020101012121202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
942	1020101012121202102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
943	1020101012121202011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
944	1020101012121202010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
945	1020101012121202002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1001E-04 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
946	1020101012120111111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
947	1020101012120111110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9000E+00 .1000E+00	.1000E+01 .9999E+00
948	1020101012120111102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1001E-04 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
949	1020101012120111011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
950	1020101012120111010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
951	1020101012120111002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
952	1020101012120110222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
953	1020101012120102111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
954	1020101012120102110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
955	1020101012120102102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
956	1020101012120102011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
957	1020101012120102010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
958	1020101012120102002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
959	1020101012120022222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E+01	.1000E+01	.1000E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
960	1020101012022222222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1001E-04	.1000E+01	.1000E-11	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
961	1020101001211211111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
962	1020101001211211110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
963	1020101001211211102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
964	1020101001211211011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
965	1020101001211211010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
966	1020101001211211002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
967	1020101001211210222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
968	1020101001211202111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
969	1020101001211202110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
970	1020101001211202102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
971	1020101001211202011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
972	1020101001211202010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1   DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
973 1020101001211202002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
974 1020101001210111111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
975 1020101001210111110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
976 1020101001210111102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
977 1020101001210111011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
978 1020101001210111010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
979 1020101001210111002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
980 1020101001210110222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
981 1020101001210102111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
982 1020101001210102110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
983 1020101001210102102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
984 1020101001210102011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
985 1020101001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
986 1020101001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
987 1020101001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .1000E-03
988 1020101001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
989 1020101001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01
990 1020101001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
991 1020101001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
992 1020101001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9000E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
993 1020101001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
994 1020101001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .9000E+00	.1000E+01 .1000E+01
995 1020101001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9000E+00 .9000E+00	.1000E+01 .1000E+01
996 1020101001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9000E+00 .9000E+00	.1000E+01 .1000E+01

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
997	1020101001201202102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
998	1020101001201202011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
999	1020101001201202010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
1000	1020101001201202002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
1001	1020101001200111111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
1002	1020101001200111110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
1003	1020101001200111102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
1004	1020101001200111011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
1005	1020101001200111010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
1006	1020101001200111002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
1007	1020101001200110222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
1008	1020101001200102111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

15:34:13 30-Jun-81

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AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1009 1020101001200102110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
1010 1020101001200102102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
1011 1020101001200102011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
1012 1020101001200102010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
1013 1020101001200102002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
1014 1020101001200022222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
1015 1020101000211211111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
1016 1020101000211211110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
1017 1020101000211211102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
1018 1020101000211211011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
1019 1020101000211211010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
1020 1020101000211211002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E+01		

15:34:13 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1021 1020101000211210222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
1022 1020101000211202111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
1023 1020101000211202110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
1024 1020101000211202102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
1025 1020101000211202011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
1026 1020101000211202010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
1027 1020101000211202002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
1028 1020101000210111111	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
1029 1020101000210111110	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
1030 1020101000210111102	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
1031 1020101000210111011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
1032 1020101000210111010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.9000E+00		

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1033 1020101000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1034 1020101000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E-03 .1000E+01 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1035 1020101000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1036 1020101000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1037 1020101000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1038 1020101000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1039 1020101000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9000E+00	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1040 1020101000210102002	.1000E+01 .9999E+00 .9999E+00	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .9999E+00
1041 1020101000210022222	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9000E+00 .1000E+00	.1000E+01 .1000E-03
1042 1020101000202222111	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-01	.9000E+00 .1000E+01	.1000E+01 .1000E+01
1043 1020101000202222110	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9900E+00	.9000E+00 .1000E+01	.1000E+01 .1000E+01
1044 1020101000202222102	.1000E+01 .9999E+00 .1000E+01	.9999E-03 .1000E+01 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9000E+00 .1000E+01	.1000E+01 .1000E+01

15:34:13 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.ALIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.ALIP
AL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1045 1020101000202222011	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E-01		
1046 1020101000202222010	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.9900E+00		
1047 1020101000202222002	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.5000E+00	.1000E+01		
1048 1020100222222222222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.9999E+00	.9000E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
1049 1020022222222222222	.1000E+01	.9999E-03	.1000E+01	.1000E+00	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
1050 0222222222222222222	.1000E-11	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

2.6.4.3 Containment Response Class III (CRC III)

The basic attributes of a Class III challenge to containment are the same as those of Class I except that the initiating event is typically a small break LOCA. Note that the containment sprays do not turn on until later in transient because the pressure setpoint which activates the sprays is not reached until later in the transient.

This class is comprised of containment event tree entry states SEFC, SEF, and SEC.

15:41:03 22-Jan-3

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:CP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
1	11111111122222222222	.1000E+01 .1000E+00 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
2	11111110121112111111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
3	11111110121112111110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
4	11111110121112111102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
5	11111110121112111011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
6	11111110121112111010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
7	11111110121112111002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
8	11111110121112110222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
9	11111110121112021111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
10	11111110121112021110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
11	11111110121112021102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
12	11111110121112020011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP                15:41:03 22-Jan-82
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
13 1111111012111202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
14 1111111012111202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
15 1111111012110111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
16 1111111012110111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
17 1111111012110111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
18 1111111012110111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
19 1111111012110111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
20 1111111012110111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
21 1111111012110110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
22 1111111012110102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
23 1111111012110102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
24 1111111012110102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		

15:41:03 22-Jan-82

```
ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
25 111111012110102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
26 111111012110102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
27 111111012110102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .9999E+00
28 111111012110022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .1000E-03
29 111111012101211111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
30 111111012101211110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
31 111111012101211102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
32 111111012101211011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
33 111111012101211010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
34 111111012101211002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
35 111111012101210222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
36 111111012101202111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
37 1111111012101202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
38 1111111012101202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
39 1111111012101202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
40 1111111012101202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
41 1111111012101202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
42 1111111012100111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
43 1111111012100111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
44 1111111012100111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
45 1111111012100111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
46 1111111012100111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
47 1111111012100111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
48 1111111012100110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
49	1111111012100102111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
50	1111111012100102110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .5000E-01	.1000E+01 .9999E+00
51	1111111012100102102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .9999E+00
52	1111111012100102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
53	1111111012100102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
54	1111111012100102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .9999E+00
55	1111111012100022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .1000E-03
56	1111111012022222222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
57	1111111001211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
58	1111111001211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
59	1111111001211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
60	1111111001211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

15:41:03 22-Jan-82

	A H O	B I P	C J Q	D K R	E L S	F M	G N
61 1111111001211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
62 1111111001211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
63 1111111001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
64 1111111001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
65 1111111001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
66 1111111001211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
67 1111111001211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
68 1111111001211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
69 1111111001211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
70 1111111001210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
71 1111111001210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
72 1111111001210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
73	1111111001210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
74	1111111001210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
75	1111111001210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
76	1111111001210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
77	1111111001210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
78	1111111001210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
79	1111111001210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
80	1111111001210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
81	1111111001210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
82	1111111001210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
83	1111111001210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
84	1111111001201211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A M O	B I P	C J Q	D K R	E L S	F M	G N
85 1111111001201211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
86 1111111001201211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
87 1111111001201211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
88 1111111001201211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
89 1111111001201211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
90 1111111001201210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
91 1111111001201202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
92 1111111001201202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
93 1111111001201202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
94 1111111001201202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
95 1111111001201202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
96 1111111001201202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
97	1111111001200111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
98	1111111001200111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
99	1111111001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
100	1111111001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
101	1111111001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
102	1111111001200111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
103	1111111001200110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
104	1111111001200102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
105	1111111001200102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
106	1111111001200102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
107	1111111001200102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
108	1111111001200102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTRSE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
109 1111111001200102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
110 1111111001200022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
111 1111111000211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
112 1111111000211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
113 1111111000211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
114 1111111000211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
115 1111111000211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
116 1111111000211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
117 1111111000211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
118 1111111000211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
119 1111111000211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
120 1111111000211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
121	1111111000211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
122	1111111000211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
123	1111111000211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
124	1111111000210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
125	1111111000210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
126	1111111000210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
127	1111111000210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
128	1111111000210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
129	1111111000210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
130	1111111000210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
131	1111111000210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
132	1111111000210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
133	1111111000210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
134	1111111000210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
135	1111111000210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
136	1111111000210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
137	1111111000210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
138	1111111000202222111	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
139	1111111000202222110	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
140	1111111000202222102	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
141	1111111000202222011	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
142	1111111000202222010	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
143	1111111000202222002	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
144	1111110222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
145	1111101122222222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
146	1111101012111211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
147	1111101012111211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
148	1111101012111211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
149	1111101012111211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
150	1111101012111211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
151	1111101012111211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
152	1111101012111210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
153	1111101012111202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
154	1111101012111202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
155	1111101012111202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
156	1111101012111202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
157 1111101012111202010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
158 1111101012111202002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
159 1111101012110111111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
160 1111101012110111110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
161 1111101012110111102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
162 1111101012110111011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
163 1111101012110111010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
164 1111101012110111002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
165 1111101012110110222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
166 1111101012110102111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
167 1111101012110102110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
168 1111101012110102102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00

15:41:03 22-Jan-82

ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
etailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
169	1111101012110102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
170	1111101012110102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
171	1111101012110102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
172	1111101012110022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .1000E-03
173	1111101012101211111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
174	1111101012101211110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9500E+00	.1000E+01 .1000E+01
175	1111101012101211102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
176	1111101012101211011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
177	1111101012101211010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
178	1111101012101211002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
179	1111101012101210222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
180	1111101012101202111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
181	1111101012101202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
182	1111101012101202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
183	1111101012101202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
184	1111101012101202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
185	1111101012101202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
186	1111101012100111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
187	1111101012100111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
188	1111101012100111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
189	1111101012100111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
190	1111101012100111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
191	1111101012100111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
192	1111101012100110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		

15:41:03 22-Jan-32

ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
etailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
193 1111101012100102111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
194 1111101012100102110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
195 1111101012100102102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
196 1111101012100102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
197 1111101012100102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
198 1111101012100102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
199 1111101012100022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .1000E-03
200 1111101012022222222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
201 1111101001211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
202 1111101001211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
203 1111101001211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
204 1111101001211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
205 1111101001211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
206 1111101001211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
207 1111101001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
208 1111101001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
209 1111101001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
210 1111101001211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
211 1111101001211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
212 1111101001211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
213 1111101001211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
214 1111101001210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
215 1111101001210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
216 1111101001210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-82

:ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
:ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
:ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
;E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
\BCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
)etailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
217	1111101001210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
218	1111101001210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
219	1111101001210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
220	1111101001210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
221	1111101001210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
222	1111101001210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
223	1111101001210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
224	1111101001210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
225	1111101001210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
226	1111101001210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
227	1111101001210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
228	1111101001201211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
229 111110100120121111 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
230 111110100120121110 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
231 111110100120121101 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
232 111110100120121101 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
233 111110100120121100 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
234 111110100120121022 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
235 111110100120120211 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
236 111110100120120211 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
237 111110100120120210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
238 111110100120120201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
239 111110100120120201 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
240 111110100120120200 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

15:41:03 22-Jan-82

:ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
:ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
:ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
;E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
\BCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
)etailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
241	1111101001200111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
242	1111101001200111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
243	1111101001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
244	1111101001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
245	1111101001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
246	1111101001200111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
247	1111101001200110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
248	1111101001200102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
249	1111101001200102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
250	1111101001200102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
251	1111101001200102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
252	1111101001200102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
253 1111101001200102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
254 1111101001200022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
255 1111101000211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
256 1111101000211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
257 1111101000211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
258 1111101000211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
259 1111101000211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
260 1111101000211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
261 1111101000211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
262 1111101000211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
263 1111101000211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
264 1111101000211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
265	1111101000211202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
266	1111101000211202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
267	1111101000211202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
268	1111101000210111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
269	1111101000210111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
270	1111101000210111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
271	1111101000210111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
272	1111101000210111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
273	1111101000210111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
274	1111101000210110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
275	1111101000210102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
276	1111101000210102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

15:41:03 22-Jan-82

	A H O	B I P	C J Q	D K R	E L S	F M	G N
277 111110100021010210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
278 111110100021010201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
279 111110100021010201 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
280 111110100021010200 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
281 111110100021002222 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
282 111110100020222211 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
283 111110100020222211 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
284 111110100020222210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
285 111110100020222201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
286 111110100020222201 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
287 111110100020222200 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
288 111110022222222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
289	111102222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
290	111011112222222222	.1000E+01 .1000E+00 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
291	1110111012121211111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
292	1110111012121211110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
293	1110111012121211102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
294	1110111012121211011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
295	1110111012121211010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
296	1110111012121211002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
297	1110111012121210222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
298	1110111012121202111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
299	1110111012121202110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
300	1110111012121202102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
301 1110111012121202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.9000E+00		
302 1110111012121202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.1000E+00		
303 1110111012121202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
304 1110111012120111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
305 1110111012120111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
306 1110111012120111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
307 1110111012120111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.9000E+00		
308 1110111012120111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.1000E+00		
309 1110111012120111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
310 1110111012120110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
311 1110111012120102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
312 1110111012120102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

15:41:03 22-Jan-82

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
```

	A H C	B I P	C J Q	D K R	E L S	F M	G N
313 1110111012120102102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .9999E+00
314 1110111012120102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
315 1110111012120102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
316 1110111012120102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .9999E+00
317 1110111012120022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .1000E-03
318 1110111012022222222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
319 1110111001211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
320 1110111001211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
321 1110111001211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
322 1110111001211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
323 1110111001211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
324 1110111001211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TML8 CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
325	1110111001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
326	1110111001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
327	1110111001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
328	1110111001211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
329	1110111001211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
330	1110111001211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
331	1110111001211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
332	1110111001210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
333	1110111001210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
334	1110111001210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
335	1110111001210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
336	1110111001210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
337	1110111001210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
338	1110111001210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
339	1110111001210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
340	1110111001210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
341	1110111001210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
342	1110111001210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
343	1110111001210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
344	1110111001210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
345	1110111001210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
346	1110111001201211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
347	1110111001201211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
348	1110111001201211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
349	1110111001201211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
350	1110111001201211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
351	1110111001201211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
352	1110111001201210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
353	1110111001201202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
354	1110111001201202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
355	1110111001201202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
356	1110111001201202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
357	1110111001201202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
358	1110111001201202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
359	1110111001200111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
360	1110111001200111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
361	1110111001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
362	1110111001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
363	1110111001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
364	1110111001200111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
365	1110111001200110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
366	1110111001200102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
367	1110111001200102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
368	1110111001200102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
369	1110111001200102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
370	1110111001200102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
371	1110111001200102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
372	1110111001200022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (a=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
373	1110111000211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
374	1110111000211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
375	1110111000211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
376	1110111000211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
377	1110111000211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
378	1110111000211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
379	1110111000211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
380	1110111000211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
381	1110111000211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
382	1110111000211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
383	1110111000211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
384	1110111000211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A/C/G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
385	1110111000211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
386	1110111000210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
387	1110111000210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
388	1110111000210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
389	1110111000210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
390	1110111000210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
391	1110111000210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
392	1110111000210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
393	1110111000210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
394	1110111000210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
395	1110111000210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
396	1110111000210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
397	1110111000210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
398	1110111000210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
399	1110111000210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
400	1110111000202222111	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
401	1110111000202222110	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
402	1110111000202222102	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
403	1110111000202222011	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
404	1110111000202222010	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
405	1110111000202222002	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
406	1110110222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01
407	1110101122222222222	.1000E+01 .1000E+00 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
408	1110101012121211111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

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=ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
=ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
=ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
)etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
409	1110101012121211110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9500E+00	.1000E+01 .1000E+01
410	1110101012121211102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
411	1110101012121211011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
412	1110101012121211010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
413	1110101012121211002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
414	1110101012121210222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
415	1110101012121202111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
416	1110101012121202110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9500E+00	.1000E+01 .1000E+01
417	1110101012121202102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
418	1110101012121202011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
419	1110101012121202010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
420	1110101012121202002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLS CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
421	1110101012120111111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
422	1110101012120111110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
423	1110101012120111102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
424	1110101012120111011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
425	1110101012120111010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
426	1110101012120111002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
427	1110101012120110222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
428	1110101012120102111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
429	1110101012120102110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
430	1110101012120102102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
431	1110101012120102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
432	1110101012120102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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:ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
:ull Pathname of File for Trae Pathnames is :UDD:PXWIT:CTREE.A1
:ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
433	1110101012120102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
434	1110101012120022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .1000E-03
435	1110101012022222222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
436	1110101001211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
437	1110101001211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
438	1110101001211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
439	1110101001211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
440	1110101001211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
441	1110101001211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
442	1110101001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
443	1110101001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
444	1110101001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

15:41:03 22-Jan-82

	A H O	B I P	C J Q	D K R	E L S	F M	G N
445 111010100121120210 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
446 111010100121120201 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
447 111010100121120201 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
448 111010100121120200 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
449 111010100121011111 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
450 111010100121011111 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
451 111010100121011110 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
452 111010100121011101 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
453 111010100121011101 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
454 111010100121011100 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
455 111010100121011022 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
456 111010100121010211 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
457	1110101001210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
458	1110101001210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
459	1110101001210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
460	1110101001210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
461	1110101001210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
462	1110101001210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
463	1110101001201211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
464	1110101001201211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
465	1110101001201211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
466	1110101001201211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
467	1110101001201211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
468	1110101001201211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TML3 CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
469	1110101001201210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
470	1110101001201202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
471	1110101001201202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
472	1110101001201202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
473	1110101001201202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
474	1110101001201202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
475	1110101001201202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
476	1110101001200111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
477	1110101001200111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
478	1110101001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
479	1110101001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
480	1110101001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
481	1110101001200111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
482	1110101001200110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
483	1110101001200102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
484	1110101001200102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
485	1110101001200102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
486	1110101001200102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
487	1110101001200102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
488	1110101001200102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
489	1110101001200022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
490	1110101000211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
491	1110101000211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
492	1110101000211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
493	1110101000211211011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
494	1110101000211211010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
495	1110101000211211002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
496	1110101000211210222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
497	1110101000211202111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
498	1110101000211202110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
499	1110101000211202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
500	1110101000211202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
501	1110101000211202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
502	1110101000211202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
503	1110101000210111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
504	1110101000210111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

15:41:03 22-Jan-82

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
.E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
.BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
505	1110101000210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
506	1110101000210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
507	1110101000210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
508	1110101000210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
509	1110101000210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
510	1110101000210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
511	1110101000210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
512	1110101000210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
513	1110101000210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
514	1110101000210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
515	1110101000210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
516	1110101000210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

15:41:03 22-Jan-82

	A H O	B I P	C J Q	D K R	E L S	F M	G N
517 1110101000202222111	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
518 1110101000202222110	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
519 1110101000202222102	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
520 1110101000202222011	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
521 1110101000202222010	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
522 1110101000202222002	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
523 1110100222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
524 1110022222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
525 1102222222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
526 1021111122222222222	.1000E+01 .1000E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
527 1021111012111211111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
528 1021111012111211110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
529	1021111012111211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
530	1021111012111211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
531	1021111012111211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
532	1021111012111211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
533	1021111012111210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
534	1021111012111202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
535	1021111012111202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
536	1021111012111202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
537	1021111012111202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
538	1021111012111202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
539	1021111012111202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
540	1021111012110111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
541 1021111012110111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
542 1021111012110111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
543 1021111012110111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
544 1021111012110111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
545 1021111012110111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
546 1021111012110110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
547 1021111012110102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
548 1021111012110102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
549 1021111012110102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
550 1021111012110102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
551 1021111012110102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
552 1021111012110102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

15:41:03 22-Jan-82

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
553 1021111012110022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .1000E-03
554 1021111012101211111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
555 1021111012101211110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
556 1021111012101211102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
557 1021111012101211011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
558 1021111012101211010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
559 1021111012101211002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
560 1021111012101210222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
561 1021111012101202111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
562 1021111012101202110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
563 1021111012101202102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
564 1021111012101202011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
565 1021111012101202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
566 1021111012101202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
567 1021111012100111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
568 1021111012100111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
569 1021111012100111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
570 1021111012100111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
571 1021111012100111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
572 1021111012100111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
573 1021111012100110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
574 1021111012100102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
575 1021111012100102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
576 1021111012100102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		

15:41:03 22-Jan-92

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
577 1021111012100102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
578 1021111012100102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .5000E-01	.1000E+01 .9999E+00
579 1021111012100102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .9999E+00
580 1021111012100022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .1000E-03
581 1021111012022222222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
582 1021111001211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
583 1021111001211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
584 1021111001211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
585 1021111001211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
586 1021111001211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
587 1021111001211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
588 1021111001211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
589 1021111001211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
590 1021111001211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
591 1021111001211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
592 1021111001211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
593 1021111001211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
594 1021111001211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
595 1021111001210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
596 1021111001210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
597 1021111001210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
598 1021111001210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
599 1021111001210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
600 1021111001210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-92

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:ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
:ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
:ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
;E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
\BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
)etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
601 1021111001210110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
602 1021111001210102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
603 1021111001210102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
604 1021111001210102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
605 1021111001210102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
606 1021111001210102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
607 1021111001210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
608 1021111001210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
609 1021111001201211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
610 1021111001201211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
611 1021111001201211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
612 1021111001201211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
613 1021111001201211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
614 1021111001201211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
615 1021111001201210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
616 1021111001201202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
617 1021111001201202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
618 1021111001201202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
619 1021111001201202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
620 1021111001201202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
621 1021111001201202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
622 1021111001200111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
623 1021111001200111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
624 1021111001200111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP 15:41:03 22-Jan-82
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
625 1021111001200111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
626 1021111001200111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
627 1021111001200111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
628 1021111001200110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
629 1021111001200102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
630 1021111001200102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
631 1021111001200102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
632 1021111001200102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
633 1021111001200102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
634 1021111001200102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
635 1021111001200022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
636 1021111000211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-32

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
637	1021111000211211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
638	1021111000211211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
639	1021111000211211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
640	1021111000211211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
641	1021111000211211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
642	1021111000211210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
643	1021111000211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
644	1021111000211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
645	1021111000211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
646	1021111000211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
647	1021111000211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
648	1021111000211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
649	1021111000210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
650	1021111000210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
651	1021111000210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
652	1021111000210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
653	1021111000210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
654	1021111000210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
655	1021111000210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
656	1021111000210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
657	1021111000210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
658	1021111000210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
659	1021111000210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
660	1021111000210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
661	1021111000210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
662	1021111000210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
663	1021111000202222111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
664	1021111000202222110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
665	1021111000202222102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
666	1021111000202222011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
667	1021111000202222010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
668	1021111000202222002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
669	1021110222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E-11
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
670	1021101122222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
671	1021101012111211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
672	1021101012111211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
673	1021101012111211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
674	1021101012111211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
675	1021101012111211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
676	1021101012111211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
677	1021101012111210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
678	1021101012111202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
679	1021101012111202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
680	1021101012111202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
631	1021101012111202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
682	1021101012111202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
683	1021101012111202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
684	1021101012110111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.9999E+00
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
685	1021101012110111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
686	1021101012110111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
687	1021101012110111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
688	1021101012110111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
689	1021101012110111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
690	1021101012110110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
691	1021101012110102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
692	1021101012110102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
693	1021101012110102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
694	1021101012110102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
695	1021101012110102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
696	1021101012110102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
697	1021101012110022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.5000E-01	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
698	1021101012101211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
699	1021101012101211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
700	1021101012101211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
701	1021101012101211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
702	1021101012101211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
703	1021101012101211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
704	1021101012101210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
705	1021101012101202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
706	1021101012101202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
707	1021101012101202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
708	1021101012101202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9500E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:OP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
709 1021101012101202010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
710 1021101012101202002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
711 1021101012100111111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
712 1021101012100111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
713 1021101012100111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
714 1021101012100111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
715 1021101012100111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
716 1021101012100111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
717 1021101012100110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
718 1021101012100102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
719 1021101012100102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
720 1021101012100102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
721	1021101012100102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
722	1021101012100102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
723	1021101012100102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.9999E+00
		.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
724	1021101012100022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.5000E-01	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
725	1021101012022222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
726	1021101001211211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
727	1021101001211211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
728	1021101001211211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
729	1021101001211211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
730	1021101001211211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
731	1021101001211211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
732	1021101001211210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLS CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
733 1021101001211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
734 1021101001211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
735 1021101001211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
736 1021101001211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
737 1021101001211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
738 1021101001211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
739 1021101001210111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
740 1021101001210111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
741 1021101001210111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
742 1021101001210111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
743 1021101001210111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
744 1021101001210111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

15:41:03 22-Jan-82

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (a=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  IMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
745 1021101001210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
746 1021101001210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
747 1021101001210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
748 1021101001210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
749 1021101001210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
750 1021101001210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
751 1021101001210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
752 1021101001210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
753 1021101001201211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
754 1021101001201211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
755 1021101001201211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
756 1021101001201211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
757	1021101001201211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
758	1021101001201211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
759	1021101001201210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
760	1021101001201202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
761	1021101001201202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
762	1021101001201202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
763	1021101001201202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
764	1021101001201202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
765	1021101001201202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
766	1021101001200111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
767	1021101001200111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
768	1021101001200111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
E INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
etailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
769	1021101001200111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
770	1021101001200111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
771	1021101001200111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
772	1021101001200110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
773	1021101001200102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
774	1021101001200102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
775	1021101001200102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
776	1021101001200102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
777	1021101001200102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
778	1021101001200102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
779	1021101001200022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
780	1021101000211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP 15:41:03 22-Jan-82
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A M O	B I P	C J Q	D K R	E L S	F M	G N
781 1021101000211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
782 1021101000211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
783 1021101000211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
784 1021101000211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
785 1021101000211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
786 1021101000211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
787 1021101000211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
788 1021101000211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
789 1021101000211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
790 1021101000211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
791 1021101000211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
792 1021101000211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A/C/G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
793	1021101000210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
794	1021101000210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
795	1021101000210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
796	1021101000210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
797	1021101000210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
798	1021101000210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
799	1021101000210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
800	1021101000210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
801	1021101000210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
802	1021101000210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
803	1021101000210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
804	1021101000210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

15:41:03 22-Jan-82

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
805 1021101000210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
806 1021101000210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
807 1021101000202222111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
808 1021101000202222110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
809 1021101000202222102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
810 1021101000202222011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
811 1021101000202222010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
812 1021101000202222002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
813 1021100222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
814 1021022222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
815 1020111122222222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
816 1020111012121211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

15:41:03 22-Jan-32

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (a=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
817	1020111012121211110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
818	1020111012121211102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
819	1020111012121211011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
820	1020111012121211010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
821	1020111012121211002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
822	1020111012121210222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
823	1020111012121202111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
824	1020111012121202110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9500E+00	.1000E+01 .1000E+01
825	1020111012121202102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01
826	1020111012121202011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
827	1020111012121202010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9500E+00	.1000E+01 .1000E+01
828	1020111012121202002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9500E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
829 1020111012120111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
830 1020111012120111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
831 1020111012120111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
832 1020111012120111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.9000E+00		
833 1020111012120111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.1000E+00		
834 1020111012120111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
835 1020111012120110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
836 1020111012120102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
837 1020111012120102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
838 1020111012120102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
839 1020111012120102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.9000E+00		
840 1020111012120102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.5000E-01	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.1000E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
841	1020111012120102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .9999E+00
842	1020111012120022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .5000E-01	.1000E+01 .1000E-03
843	1020111012022222222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
844	1020111001211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
845	1020111001211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
846	1020111001211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
847	1020111001211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
848	1020111001211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
849	1020111001211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
850	1020111001211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
851	1020111001211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
852	1020111001211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
853 1020111001211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
854 1020111001211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
855 1020111001211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
856 1020111001211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
857 1020111001210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
858 1020111001210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
859 1020111001210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
860 1020111001210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
861 1020111001210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
862 1020111001210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
863 1020111001210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
864 1020111001210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-92

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (a=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
865	1020111001210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
866	1020111001210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
867	1020111001210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
868	1020111001210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
869	1020111001210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
870	1020111001210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
871	1020111001201211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
872	1020111001201211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
873	1020111001201211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
874	1020111001201211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
875	1020111001201211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
876	1020111001201211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
877 1020111001201210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
878 1020111001201202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
879 1020111001201202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
880 1020111001201202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
881 1020111001201202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
882 1020111001201202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
883 1020111001201202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
884 1020111001200111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
885 1020111001200111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
886 1020111001200111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
887 1020111001200111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
888 1020111001200111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TML3 CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
889	1020111001200111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
890	1020111001200110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
891	1020111001200102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
892	1020111001200102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
893	1020111001200102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
894	1020111001200102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
895	1020111001200102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
896	1020111001200102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
897	1020111001200022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
898	1020111000211211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
899	1020111000211211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
900	1020111000211211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (a=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TML8 CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
901 1020111000211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
902 1020111000211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
903 1020111000211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
904 1020111000211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
905 1020111000211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
906 1020111000211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
907 1020111000211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
908 1020111000211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
909 1020111000211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
910 1020111000211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
911 1020111000210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
912 1020111000210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
913	1020111000210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
914	1020111000210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
915	1020111000210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
916	1020111000210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
917	1020111000210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
918	1020111000210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
919	1020111000210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
920	1020111000210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
921	1020111000210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
922	1020111000210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
923	1020111000210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
924	1020111000210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
925	1020111000202222111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
926	1020111000202222110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
927	1020111000202222102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
928	1020111000202222011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
929	1020111000202222010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
930	1020111000202222002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
931	1020110222222222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E-11
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
932	1020101122222222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
933	1020101012121211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
934	1020101012121211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
935	1020101012121211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
936	1020101012121211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9500E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.9000E+00		

15:41:03 22-Jan-82

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
937	1020101012121211010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
938	1020101012121211002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
939	1020101012121210222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
940	1020101012121202111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
941	1020101012121202110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9500E+00	.1000E+01 .1000E+01
942	1020101012121202102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
943	1020101012121202011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
944	1020101012121202010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9500E+00	.1000E+01 .1000E+01
945	1020101012121202002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9500E+00	.1000E+01 .1000E+01
946	1020101012120111111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
947	1020101012120111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
948	1020101012120111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
949 1020101012120111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
950 1020101012120111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
951 1020101012120111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
952 1020101012120110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
953 1020101012120102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
954 1020101012120102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .5000E-01	.1000E+01 .9999E+00
955 1020101012120102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
956 1020101012120102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
957 1020101012120102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .5000E-01	.1000E+01 .9999E+00
958 1020101012120102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .9999E+00
959 1020101012120022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .5000E-01	.1000E+01 .1000E-03
960 1020101012022222222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
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SE INPUT DEFAULT PROBABILITIES (a=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
961	1020101001211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
962	1020101001211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
963	1020101001211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
964	1020101001211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
965	1020101001211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
966	1020101001211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
967	1020101001211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
968	1020101001211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
969	1020101001211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
970	1020101001211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
971	1020101001211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
972	1020101001211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
973	1020101001211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
974	1020101001210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
975	1020101001210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
976	1020101001210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
977	1020101001210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
978	1020101001210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
979	1020101001210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
980	1020101001210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
981	1020101001210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
982	1020101001210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
983	1020101001210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
984	1020101001210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-82

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
985	1020101001210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
986	1020101001210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
987	1020101001210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
988	1020101001201211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
989	1020101001201211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
990	1020101001201211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
991	1020101001201211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
992	1020101001201211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
993	1020101001201211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
994	1020101001201210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
995	1020101001201202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
996	1020101001201202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
997	1020101001201202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
998	1020101001201202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
999	1020101001201202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1000	1020101001201202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1001	1020101001200111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1002	1020101001200111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1003	1020101001200111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1004	1020101001200111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1005	1020101001200111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1006	1020101001200111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1007	1020101001200110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1008	1020101001200102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-32

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1009 1020101001200102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
1010 1020101001200102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
1011 1020101001200102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
1012 1020101001200102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
1013 1020101001200102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
1014 1020101001200022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
1015 1020101000211211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
1016 1020101000211211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
1017 1020101000211211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
1018 1020101000211211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
1019 1020101000211211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
1020 1020101000211211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A/C/G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
1021	1020101000211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1022	1020101000211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1023	1020101000211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1024	1020101000211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1025	1020101000211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1026	1020101000211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1027	1020101000211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1028	1020101000210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1029	1020101000210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1030	1020101000210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1031	1020101000210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1032	1020101000210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

15:41:03 22-Jan-82

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (a=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
1033	1020101000210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1034	1020101000210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1035	1020101000210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1036	1020101000210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1037	1020101000210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1038	1020101000210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1039	1020101000210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1040	1020101000210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1041	1020101000210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
1042	1020101000202222111	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1043	1020101000202222110	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1044	1020101000202222102	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01

15:41:03 22-Jan-32

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SEIP
Full Pathname of File for Trea Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SEIP
SE INPUT DEFAULT PROBABILITIES (e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1045 1020101000202222011	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1046 1020101000202222010	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1047 1020101000202222002	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1048 1020100222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
1049 1020022222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
1050 0222222222222222222	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01

2.6.4.4 Containment Response Class IV (CRC IV)

The basic attributes of a Class IV challenge to containment are the same as those of Class II except that the initiating event is typically a small break LOCA. Note that the containment sprays would not be actuated throughout the transient because containment pressure would not exceed the spray setpoint until after vessel failure.

This class is comprised of containment event tree entry states SLFC, SLF, and SLC.

17:32:57 1-Jul-8

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLS CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1 111111112222222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
2 111111012111211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
3 111111012111211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
4 111111012111211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
5 111111012111211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
6 111111012111211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
7 111111012111211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
8 111111012111210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
9 111111012111202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
10 111111012111202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
11 111111012111202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
12 111111012111202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
13 1111111012111202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
14 1111111012111202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
15 1111111012110111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
16 1111111012110111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
17 1111111012110111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
18 1111111012110111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
19 1111111012110111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
20 1111111012110111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
21 1111111012110110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
22 1111111012110102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
23 1111111012110102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
24 1111111012110102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		

17:32:57 1-Jul-81

```
ull Pathname of File for Events and Probabilities is :UDD:PXWIT:CP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
25	1111111012110102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
26	1111111012110102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
27	1111111012110102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
28	1111111012110022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
29	1111111012101211111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
30	1111111012101211110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
31	1111111012101211102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
32	1111111012101211011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
33	1111111012101211010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
34	1111111012101211002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
35	1111111012101210222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
36	1111111012101202111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
37 1111111012101202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
38 1111111012101202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
39 1111111012101202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
40 1111111012101202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
41 1111111012101202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
42 1111111012100111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
43 1111111012100111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
44 1111111012100111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
45 1111111012100111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
46 1111111012100111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
47 1111111012100111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
48 1111111012100110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		

17:32:57 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
49	1111111012100102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
		.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
50	1111111012100102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
		.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
51	1111111012100102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
		.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
52	1111111012100102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
		.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
53	1111111012100102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
		.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
54	1111111012100102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
		.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
55	1111111012100022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
56	1111111012022222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
57	1111111001211211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
58	1111111001211211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
59	1111111001211211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
60	1111111001211211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
61	1111111001211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
62	1111111001211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
63	1111111001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
64	1111111001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
65	1111111001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
66	1111111001211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
67	1111111001211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
68	1111111001211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
69	1111111001211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
70	1111111001210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
71	1111111001210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
72	1111111001210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
73	1111111001210111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
74	1111111001210111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
75	1111111001210111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
76	1111111001210110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
77	1111111001210102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
78	1111111001210102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
79	1111111001210102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
80	1111111001210102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
81	1111111001210102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
82	1111111001210102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
83	1111111001210022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
84	1111111001201211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
85	1111111001201211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
86	1111111001201211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
87	1111111001201211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
88	1111111001201211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
89	1111111001201211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
90	1111111001201210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
91	1111111001201202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
92	1111111001201202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
93	1111111001201202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
94	1111111001201202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
95	1111111001201202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
96	1111111001201202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:32:57 1-Jul-81

```
ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
97	1111111001200111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
98	1111111001200111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
99	1111111001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
100	1111111001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
101	1111111001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
102	1111111001200111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
103	1111111001200110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
104	1111111001200102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
105	1111111001200102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
106	1111111001200102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
107	1111111001200102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
108	1111111001200102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
109 1111111001200102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
110 1111111001200022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
111 1111111000211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
112 1111111000211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
113 1111111000211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
114 1111111000211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
115 1111111000211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
116 1111111000211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
117 1111111000211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
118 1111111000211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
119 1111111000211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
120 1111111000211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-31

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
121	1111111000211202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
122	1111111000211202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
123	1111111000211202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
124	1111111000210111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
125	1111111000210111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
126	1111111000210111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
127	1111111000210111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
128	1111111000210111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
129	1111111000210111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
130	1111111000210110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
131	1111111000210102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
132	1111111000210102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

17:32:57 1-Jul-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H C	B I P	C J Q	D K R	E L S	F M	G N
133 1111111000210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
134 1111111000210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
135 1111111000210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
136 1111111000210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
137 1111111000210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
138 1111111000202222111	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
139 1111111000202222110	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
140 1111111000202222102	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
141 1111111000202222011	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
142 1111111000202222010	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
143 1111111000202222002	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
144 1111110222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01

17:32:57 1-Jul-81

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BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
145	111110112222222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
146	111110101211121111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
147	111110101211121110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
148	111110101211121102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
149	111110101211121011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
150	111110101211121010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
151	111110101211121002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
152	111110101211121022	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
153	111110101211120211	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
154	111110101211120211 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
155	111110101211120210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
156	111110101211120201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
157 1111101012111202010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
158 1111101012111202002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
159 1111101012110111111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
160 1111101012110111110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
161 1111101012110111102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
162 1111101012110111011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
163 1111101012110111010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
164 1111101012110111002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
165 1111101012110110222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
166 1111101012110102111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
167 1111101012110102110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
168 1111101012110102102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

```
ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
 INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
3CDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
169	1111101012110102011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
170	1111101012110102010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
171	1111101012110102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
172	1111101012110022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
173	1111101012101211111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
174	1111101012101211110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
175	1111101012101211102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
176	1111101012101211011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
177	1111101012101211010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
178	1111101012101211002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
179	1111101012101210222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
180	1111101012101202111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
181 1111101012101202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
182 1111101012101202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
183 1111101012101202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
184 1111101012101202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
185 1111101012101202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
186 1111101012100111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
187 1111101012100111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
188 1111101012100111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
189 1111101012100111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
190 1111101012100111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
191 1111101012100111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
192 1111101012100110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		

17:32:57 1-Jul-31

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
_ INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
193 111110101210010211 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
194 111110101210010211 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
195 111110101210010210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
196 111110101210010201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
197 111110101210010201 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
198 111110101210010200 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
199 111110101210002222 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
200 111110101202222222 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
201 111110100121121111 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
202 111110100121121111 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
203 111110100121121110 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
204 111110100121121101 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

17:32:57 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
205	1111101001211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
206	1111101001211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
207	1111101001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
208	1111101001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
209	1111101001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
210	1111101001211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
211	1111101001211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
212	1111101001211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
213	1111101001211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
214	1111101001210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
215	1111101001210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
216	1111101001210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

```
ıll Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ıll Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ıll Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
. INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ICDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
ılue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
217	1111101001210111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
218	1111101001210111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
219	1111101001210111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
220	1111101001210110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
221	1111101001210102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
222	1111101001210102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
223	1111101001210102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
224	1111101001210102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
225	1111101001210102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
226	1111101001210102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
227	1111101001210022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
228	1111101001201211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
229	1111101001201211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
230	1111101001201211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
231	1111101001201211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
232	1111101001201211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
233	1111101001201211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
234	1111101001201210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
235	1111101001201202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
236	1111101001201202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
237	1111101001201202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
238	1111101001201202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
239	1111101001201202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
240	1111101001201202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
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L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
241	1111101001200111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
242	1111101001200111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
243	1111101001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
244	1111101001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
245	1111101001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
246	1111101001200111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
247	1111101001200110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
248	1111101001200102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
249	1111101001200102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
250	1111101001200102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
251	1111101001200102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
252	1111101001200102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
253	1111101001200102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
254	1111101001200022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
255	1111101000211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
256	1111101000211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
257	1111101000211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
258	1111101000211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
259	1111101000211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
260	1111101000211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
261	1111101000211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
262	1111101000211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
263	1111101000211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
264	1111101000211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-91

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
265	1111101000211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
266	1111101000211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
267	1111101000211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
268	1111101000210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
269	1111101000210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
270	1111101000210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
271	1111101000210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
272	1111101000210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
273	1111101000210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
274	1111101000210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
275	1111101000210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
276	1111101000210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
277 1111101000210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
278 1111101000210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
279 1111101000210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
280 1111101000210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
281 1111101000210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
282 1111101000202222111	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
283 1111101000202222110	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
284 1111101000202222102	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
285 1111101000202222011	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
286 1111101000202222010	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
287 1111101000202222002	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
288 1111100222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
289	111102222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
290	111011112222222222	.1000E+01 .1000E+00 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
291	111011101212121111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
292	111011101212121110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
293	111011101212121102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
294	111011101212121011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
295	111011101212121010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
296	111011101212121002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
297	111011101212121022	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
298	111011101212120211	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
299	111011101212120211	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
300	111011101212120210	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
301 1110111012121202011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
302 1110111012121202010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
303 1110111012121202002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
304 1110111012120111111	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
305 1110111012120111110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
306 1110111012120111102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
307 1110111012120111011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
308 1110111012120111010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
309 1110111012120111002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
310 1110111012120110222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
311 1110111012120102111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
312 1110111012120102110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
313 111011101212010210 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
314 111011101212010201 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
315 111011101212010201 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		
316 111011101212010200 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01		
317 111011101212002222 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
318 111011101202222222 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
319 111011100121121111 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
320 111011100121121111 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
321 111011100121121110 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
322 111011100121121101 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
323 111011100121121101 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
324 111011100121121100 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

17:32:57 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
325	1110111001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
326	1110111001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
327	1110111001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
328	1110111001211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
329	1110111001211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
330	1110111001211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
331	1110111001211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
332	1110111001210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
333	1110111001210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
334	1110111001210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
335	1110111001210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
336	1110111001210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
337	1110111001210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
338	1110111001210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
339	1110111001210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
340	1110111001210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
341	1110111001210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
342	1110111001210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
343	1110111001210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
344	1110111001210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
345	1110111001210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
346	1110111001201211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
347	1110111001201211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
348	1110111001201211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
349	1110111001201211011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
350	1110111001201211010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
351	1110111001201211002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
352	1110111001201210222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
353	1110111001201202111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
354	1110111001201202110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
355	1110111001201202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
356	1110111001201202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
357	1110111001201202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
358	1110111001201202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
359	1110111001200111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
360	1110111001200111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

17:32:57 1-Jul-81

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L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
361	1110111001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
362	1110111001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
363	1110111001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
364	1110111001200111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
365	1110111001200110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
366	1110111001200102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
367	1110111001200102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
368	1110111001200102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
369	1110111001200102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
370	1110111001200102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
371	1110111001200102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
372	1110111001200022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                    17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
373 111011100021121111 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
374 111011100021121111 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
375 111011100021121110 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
376 111011100021121101 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
377 111011100021121101 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
378 111011100021121100 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
379 111011100021121022 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
380 111011100021120211 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
381 111011100021120211 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
382 111011100021120210 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
383 111011100021120201 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
384 111011100021120201 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

17:32:57 1-Jul-81

```
ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
385	111011100021120200 2	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
336	111011100021011111 1	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
387	111011100021011111 0	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
388	111011100021011110 2	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
389	111011100021011101 1	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
390	111011100021011101 0	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
391	111011100021011100 2	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
392	111011100021011022 2	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
393	111011100021010211 1	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
394	111011100021010211 0	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
395	111011100021010210 2	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
396	111011100021010201 1	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
397 1110111000210102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
398 1110111000210102002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
399 1110111000210022222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
400 1110111000202222111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9990E+00	.9999E+00		
401 1110111000202222110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9990E+00	.1000E-03		
402 1110111000202222102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.1000E-02	.1000E+01		
403 1110111000202222011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
404 1110111000202222010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
405 1110111000202222002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
406 1110110222222222222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
407 1110101122222222222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
408 1110101012121211111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

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BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
409 1110101012121211110	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
410 1110101012121211102	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
411 1110101012121211011	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
412 1110101012121211010	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
413 1110101012121211002	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
414 1110101012121210222	.1000E+01 .9000E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
415 1110101012121202111	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
416 1110101012121202110	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
417 1110101012121202102	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
418 1110101012121202011	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
419 1110101012121202010	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
420 1110101012121202002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
421 1110101012120111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
422 1110101012120111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
423 1110101012120111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
424 1110101012120111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9999E+00	.9000E+00		
425 1110101012120111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9999E+00	.1000E+00		
426 1110101012120111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-03	.1000E+01		
427 1110101012120110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
428 1110101012120102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
429 1110101012120102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
430 1110101012120102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
431 1110101012120102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9999E+00	.9000E+00		
432 1110101012120102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+00		

17:32:57 1-Jul-81

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BCDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
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```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
433 1110101012120102002	.1000E+01 .9000E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
434 1110101012120022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
435 1110101012022222222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
436 1110101001211211111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
437 1110101001211211110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
438 1110101001211211102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
439 1110101001211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
440 1110101001211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
441 1110101001211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
442 1110101001211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
443 1110101001211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
444 1110101001211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
445	1110101001211202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
446	1110101001211202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
447	1110101001211202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
448	1110101001211202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
449	1110101001210111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
450	1110101001210111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
451	1110101001210111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
452	1110101001210111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
453	1110101001210111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
454	1110101001210111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
455	1110101001210110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
456	1110101001210102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

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BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
457	1110101001210102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
458	1110101001210102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
459	1110101001210102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
460	1110101001210102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
461	1110101001210102002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
462	1110101001210022222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
463	1110101001201211111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
464	1110101001201211110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
465	1110101001201211102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
466	1110101001201211011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
467	1110101001201211010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
468	1110101001201211002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
469 1110101001201210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
470 1110101001201202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
471 1110101001201202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
472 1110101001201202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
473 1110101001201202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
474 1110101001201202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
475 1110101001201202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
476 1110101001200111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
477 1110101001200111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
478 1110101001200111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
479 1110101001200111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
480 1110101001200111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
481	1110101001200111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
482	1110101001200110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
483	1110101001200102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
484	1110101001200102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
485	1110101001200102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
486	1110101001200102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
487	1110101001200102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
488	1110101001200102002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
489	1110101001200022222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
490	1110101000211211111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
491	1110101000211211110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
492	1110101000211211102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		

17:32:57 1-Jul-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
493	1110101000211211011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
494	1110101000211211010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
495	1110101000211211002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
496	1110101000211210222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
497	1110101000211202111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
498	1110101000211202110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
499	1110101000211202102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
500	1110101000211202011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
501	1110101000211202010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
502	1110101000211202002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
503	1110101000210111111	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
504	1110101000210111110	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
505	1110101000210111102	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
506	1110101000210111011	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
507	1110101000210111010	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
508	1110101000210111002	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
509	1110101000210110222	.1000E+01 .9000E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
510	1110101000210102111	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
511	1110101000210102110	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
512	1110101000210102102	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
513	1110101000210102011	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
514	1110101000210102010	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
515	1110101000210102002	.1000E+01 .9000E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
516	1110101000210022222	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
517 1110101000202222111	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
518 1110101000202222110	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
519 1110101000202222102	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
520 1110101000202222011	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
521 1110101000202222010	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
522 1110101000202222002	.1000E+01 .9000E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
523 1110100222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
524 1110022222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
525 1102222222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
526 1021111122222222222	.1000E+01 .1000E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
527 1021111012111211111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
528 1021111012111211110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Trae Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
529	1021111012111211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
530	1021111012111211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
531	1021111012111211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
532	1021111012111211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
533	1021111012111210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
534	1021111012111202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
535	1021111012111202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
536	1021111012111202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
537	1021111012111202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
538	1021111012111202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
539	1021111012111202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
540	1021111012110111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
541 1021111012110111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
542 1021111012110111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
543 1021111012110111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
544 1021111012110111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
545 1021111012110111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
546 1021111012110110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
547 1021111012110102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
548 1021111012110102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
549 1021111012110102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
550 1021111012110102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
551 1021111012110102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
552 1021111012110102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ıll Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
_ INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
3CDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
atailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
553	1021111012110022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
554	1021111012101211111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
555	1021111012101211110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
556	1021111012101211102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
557	1021111012101211011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
558	1021111012101211010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
559	1021111012101211002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
560	1021111012101210222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
561	1021111012101202111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
562	1021111012101202110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
563	1021111012101202102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
564	1021111012101202011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
565	1021111012101202010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
566	1021111012101202002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
567	1021111012100111111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
568	1021111012100111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
569	1021111012100111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
570	1021111012100111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
571	1021111012100111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
572	1021111012100111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
573	1021111012100110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
574	1021111012100102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
575	1021111012100102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
576	1021111012100102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
3CDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
577 1021111012100102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
578 1021111012100102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
579 1021111012100102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
580 1021111012100022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
581 1021111012022222222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
582 1021111001211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
583 1021111001211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
584 1021111001211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
585 1021111001211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
586 1021111001211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
587 1021111001211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
588 1021111001211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
589	1021111001211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
590	1021111001211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
591	1021111001211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
592	1021111001211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
593	1021111001211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
594	1021111001211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
595	1021111001210111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
596	1021111001210111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
597	1021111001210111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
598	1021111001210111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
599	1021111001210111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
600	1021111001210111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
601 1021111001210110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
602 1021111001210102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
603 1021111001210102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
604 1021111001210102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
605 1021111001210102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
606 1021111001210102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
607 1021111001210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
608 1021111001210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
609 1021111001201211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
610 1021111001201211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
611 1021111001201211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
612 1021111001201211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
613 1021111001201211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
614 1021111001201211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
615 1021111001201210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
616 1021111001201202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
617 1021111001201202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
618 1021111001201202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
619 1021111001201202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
620 1021111001201202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
621 1021111001201202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
622 1021111001200111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
623 1021111001200111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
624 1021111001200111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
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	A H O	B I P	C J Q	D K R	E L S	F M	G N
625 1021111001200111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
626 1021111001200111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
627 1021111001200111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
628 1021111001200110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
629 1021111001200102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
630 1021111001200102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
631 1021111001200102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
632 1021111001200102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
633 1021111001200102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
634 1021111001200102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
635 1021111001200022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
636 1021111000211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H C	B I P	C J Q	D K R	E L S	F M	G N
637 1021111000211211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
638 1021111000211211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
639 1021111000211211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
640 1021111000211211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
641 1021111000211211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
642 1021111000211210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
643 1021111000211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
644 1021111000211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
645 1021111000211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
646 1021111000211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
647 1021111000211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
648 1021111000211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:32:57 1-Jul-81

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BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
649 1021111000210111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
650 1021111000210111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
651 1021111000210111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
652 1021111000210111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
653 1021111000210111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
654 1021111000210111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
655 1021111000210110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
656 1021111000210102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
657 1021111000210102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
658 1021111000210102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
659 1021111000210102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
660 1021111000210102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
661 1021111000210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
662 1021111000210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
663 1021111000202222111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9990E+00	.9999E+00		
664 1021111000202222110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9990E+00	.1000E-03		
665 1021111000202222102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.1000E-02	.1000E+01		
666 1021111000202222011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
667 1021111000202222010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
668 1021111000202222002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
669 1021110222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
670 1021101122222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
671 1021101012111211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
672 1021101012111211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                    17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
673 1021101012111211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
674 1021101012111211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
675 1021101012111211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
676 1021101012111211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
677 1021101012111210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
678 1021101012111202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
679 1021101012111202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
680 1021101012111202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
681 1021101012111202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
682 1021101012111202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
683 1021101012111202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
684 1021101012110111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
685 1021101012110111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
686 1021101012110111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
687 1021101012110111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
688 1021101012110111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
689 1021101012110111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
690 1021101012110110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
691 1021101012110102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
692 1021101012110102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
693 1021101012110102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
694 1021101012110102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
695 1021101012110102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
696 1021101012110102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:32:57 1-Jul-81

```
ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
697 1021101012110022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
698 1021101012101211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
699 1021101012101211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
700 1021101012101211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
701 1021101012101211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
702 1021101012101211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
703 1021101012101211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
704 1021101012101210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
705 1021101012101202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
706 1021101012101202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
707 1021101012101202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
708 1021101012101202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
709 1021101012101202010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
710 1021101012101202002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
711 1021101012100111111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
712 1021101012100111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
713 1021101012100111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
714 1021101012100111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
715 1021101012100111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
716 1021101012100111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
717 1021101012100110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
718 1021101012100102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
719 1021101012100102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
720 1021101012100102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
721	1021101012100102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
722	1021101012100102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
723	1021101012100102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
724	1021101012100022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
725	1021101012022222222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
726	1021101001211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
727	1021101001211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
728	1021101001211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
729	1021101001211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
730	1021101001211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
731	1021101001211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
732	1021101001211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
733 1021101001211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
734 1021101001211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
735 1021101001211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
736 1021101001211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
737 1021101001211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
738 1021101001211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
739 1021101001210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
740 1021101001210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
741 1021101001210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
742 1021101001210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
743 1021101001210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
744 1021101001210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
745	1021101001210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
746	1021101001210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
747	1021101001210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
748	1021101001210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
749	1021101001210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
750	1021101001210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
751	1021101001210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
752	1021101001210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
753	1021101001201211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
754	1021101001201211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
755	1021101001201211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
756	1021101001201211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
757	1021101001201211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
758	1021101001201211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
759	1021101001201210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
760	1021101001201202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
761	1021101001201202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
762	1021101001201202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
763	1021101001201202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
764	1021101001201202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
765	1021101001201202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
766	1021101001200111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
767	1021101001200111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
768	1021101001200111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
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	A H C	B I P	C J Q	D K R	E L S	F M	G N
769 1021101001200111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
770 1021101001200111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
771 1021101001200111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
772 1021101001200110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
773 1021101001200102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
774 1021101001200102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
775 1021101001200102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
776 1021101001200102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
777 1021101001200102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
778 1021101001200102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
779 1021101001200022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
780 1021101000211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLa CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
781 1021101000211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
782 1021101000211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
783 1021101000211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
784 1021101000211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
785 1021101000211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
786 1021101000211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
787 1021101000211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
788 1021101000211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
789 1021101000211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
790 1021101000211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
791 1021101000211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
792 1021101000211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
793	1021101000210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
794	1021101000210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
795	1021101000210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
796	1021101000210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
797	1021101000210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
798	1021101000210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
799	1021101000210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
800	1021101000210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
801	1021101000210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
802	1021101000210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
803	1021101000210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
804	1021101000210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
805 1021101000210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
806 1021101000210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
807 1021101000202222111	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
808 1021101000202222110	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
809 1021101000202222102	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
810 1021101000202222011	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
811 1021101000202222010	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
812 1021101000202222002	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
813 1021100222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
814 1021022222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
815 1020111122222222222	.1000E+01 .1000E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
816 1020111012121211111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
817 1020111012121211110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
818 1020111012121211102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
819 1020111012121211011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
820 1020111012121211010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
821 1020111012121211002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
822 1020111012121210222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
823 1020111012121202111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
824 1020111012121202110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
825 1020111012121202102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
826 1020111012121202011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
827 1020111012121202010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
828 1020111012121202002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
829 1020111012120111111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
830 1020111012120111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
831 1020111012120111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
832 1020111012120111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
833 1020111012120111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
834 1020111012120111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
835 1020111012120110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
836 1020111012120102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
837 1020111012120102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
838 1020111012120102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
839 1020111012120102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
840 1020111012120102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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 INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
3CDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
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		A H C	B I P	C J Q	D K R	E L S	F M	G N
841	1020111012120102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
842	1020111012120022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
843	1020111012022222222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
844	1020111001211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
345	1020111001211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
846	1020111001211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
847	1020111001211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
848	1020111001211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
849	1020111001211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
850	1020111001211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
851	1020111001211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
852	1020111001211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
853 1020111001211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
854 1020111001211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
855 1020111001211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
856 1020111001211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
857 1020111001210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
858 1020111001210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
859 1020111001210111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
860 1020111001210111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
861 1020111001210111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
862 1020111001210111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
863 1020111001210110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
864 1020111001210102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathnama of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
865 1020111001210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
866 1020111001210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
867 1020111001210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
868 1020111001210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
869 1020111001210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
870 1020111001210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
871 1020111001201211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
872 1020111001201211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
873 1020111001201211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
874 1020111001201211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
875 1020111001201211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
876 1020111001201211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
877 1020111001201210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
878 1020111001201202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
879 1020111001201202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
880 1020111001201202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
881 1020111001201202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
882 1020111001201202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
883 1020111001201202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
884 1020111001200111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
885 1020111001200111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
886 1020111001200111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
887 1020111001200111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
888 1020111001200111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
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L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
889 1020111001200111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
890 1020111001200110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
891 1020111001200102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
892 1020111001200102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
893 1020111001200102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
894 1020111001200102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
895 1020111001200102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
896 1020111001200102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
897 1020111001200022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
898 1020111000211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
899 1020111000211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
900 1020111000211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
901	1020111000211211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
902	1020111000211211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
903	1020111000211211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
904	1020111000211210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
905	1020111000211202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
906	1020111000211202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
907	1020111000211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
908	1020111000211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
909	1020111000211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
910	1020111000211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
911	1020111000210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
912	1020111000210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9000E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

17:32:57 1-Jul-81

```
ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
913 1020111000210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
914 1020111000210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
915 1020111000210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
916 1020111000210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
917 1020111000210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
918 1020111000210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
919 1020111000210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
920 1020111000210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
921 1020111000210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
922 1020111000210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
923 1020111000210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
924 1020111000210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
925	1020111000202222111	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
926	1020111000202222110	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
927	1020111000202222102	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
928	1020111000202222011	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
929	1020111000202222010	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
930	1020111000202222002	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
931	1020110222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01
932	1020101122222222222	.1000E+01 .1000E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
933	1020101012121211111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
934	1020101012121211110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
935	1020101012121211102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
936	1020101012121211011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
937	1020101012121211010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
938	1020101012121211002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
939	1020101012121210222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
940	1020101012121202111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
941	1020101012121202110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
942	1020101012121202102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
943	1020101012121202011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
944	1020101012121202010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
945	1020101012121202002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
946	1020101012120111111	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
947	1020101012120111110	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
948	1020101012120111102	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TML8 CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
949	1020101012120111011	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
950	1020101012120111010	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
951	1020101012120111002	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
952	1020101012120110222	.1000E+01 .9000E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
953	1020101012120102111	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
954	1020101012120102110	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
955	1020101012120102102	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
956	1020101012120102011	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
957	1020101012120102010	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
958	1020101012120102002	.1000E+01 .9000E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
959	1020101012120022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
960	1020101012022222222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
961	1020101001211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
962	1020101001211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
963	1020101001211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
964	1020101001211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
965	1020101001211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
966	1020101001211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
967	1020101001211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
968	1020101001211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
969	1020101001211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
970	1020101001211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
971	1020101001211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
972	1020101001211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
973 1020101001211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
974 1020101001210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
975 1020101001210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
976 1020101001210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
977 1020101001210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
978 1020101001210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
979 1020101001210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
980 1020101001210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
981 1020101001210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
982 1020101001210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
983 1020101001210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
984 1020101001210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
985	1020101001210102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
986	1020101001210102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
987	1020101001210022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
988	1020101001201211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
989	1020101001201211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
990	1020101001201211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
991	1020101001201211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
992	1020101001201211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
993	1020101001201211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
994	1020101001201210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
995	1020101001201202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
996	1020101001201202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP                17:32:57  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H C	B I P	C J Q	D K R	E L S	F M	G N
997 1020101001201202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
998 1020101001201202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
999 1020101001201202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
1000 1020101001201202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
1001 1020101001200111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
1002 1020101001200111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
1003 1020101001200111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
1004 1020101001200111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
1005 1020101001200111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
1006 1020101001200111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
1007 1020101001200110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
1008 1020101001200102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

17:32:57 1-Jul-81

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
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L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
009	1020101001200102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
010	1020101001200102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
011	1020101001200102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
012	1020101001200102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
013	1020101001200102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
014	1020101001200022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
015	1020101000211211111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
016	1020101000211211110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
017	1020101000211211102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
018	1020101000211211011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
019	1020101000211211010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
020	1020101000211211002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1021 1020101000211210222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
1022 1020101000211202111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
1023 1020101000211202110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
1024 1020101000211202102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
1025 1020101000211202011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
1026 1020101000211202010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
1027 1020101000211202002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
1028 1020101000210111111	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
1029 1020101000210111110	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
1030 1020101000210111102	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
1031 1020101000210111011	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
1032 1020101000210111010	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:32:57 1-Jul-31

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ull Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
ull Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
ull Patnname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
L INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
BCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
alue used for epsilon is  .1000E-03
etailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
033 1020101000210111002	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
034 1020101000210110222	.1000E+01 .9000E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
035 1020101000210102111	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
036 1020101000210102110	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
037 1020101000210102102	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
038 1020101000210102011	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
039 1020101000210102010	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
040 1020101000210102002	.1000E+01 .9000E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
041 1020101000210022222	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
042 1020101000202222111	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
043 1020101000202222110	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
044 1020101000202222102	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01

17:32:57 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.SLIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.SLIP
SL INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1045 1020101000202222011	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1046 1020101000202222010	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1047 1020101000202222002	.1000E+01 .9000E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1048 1020100222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
1049 1020022222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
1050 0222222222222222222	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01

2.6.4.5 Containment Response Class V (CRC V)

The basic attributes of a Class V challenge to containment are that the initiating event is typically a transient with a complete loss of all A.C. power. There would therefore be no safety injection and no containment safeguards initiation at any time during the transient.

This class is comprised of containment event tree entry states TE, SE, and SL.

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1 1111111222222222222	.1000E+01 .1000E-03 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
2 1111111012111211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
3 1111111012111211110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
4 1111111012111211102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
5 1111111012111211011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
6 1111111012111211010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
7 1111111012111211002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
8 1111111012111210222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
9 1111111012111202111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
10 1111111012111202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
11 1111111012111202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
12 1111111012111202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
13 1111111012111202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
14 1111111012111202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
15 1111111012110111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
16 1111111012110111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
17 1111111012110111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
18 1111111012110111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
19 1111111012110111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
20 1111111012110111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
21 1111111012110110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
22 1111111012110102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
23 1111111012110102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
24 1111111012110102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
25 1111111012110102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
26 1111111012110102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
27 1111111012110102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
28 1111111012110022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
29 1111111012101211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
30 1111111012101211110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
31 1111111012101211102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
32 1111111012101211011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
33 1111111012101211010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
34 1111111012101211002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
35 1111111012101210222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
36 1111111012101202111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
37 1111111012101202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
38 1111111012101202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
39 1111111012101202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
40 1111111012101202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
41 1111111012101202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
42 1111111012100111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
43 1111111012100111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
44 1111111012100111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
45 1111111012100111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
46 1111111012100111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
47 1111111012100111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
48 1111111012100110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
49	1111111012100102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
50	1111111012100102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
51	1111111012100102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
52	1111111012100102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
53	1111111012100102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
54	1111111012100102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
55	1111111012100022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
56	1111111012022222222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
57	1111111001211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
58	1111111001211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
59	1111111001211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
60	1111111001211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
61 1111111001211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
62 1111111001211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
63 1111111001211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
64 1111111001211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
65 1111111001211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
66 1111111001211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
67 1111111001211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
68 1111111001211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
69 1111111001211202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
70 1111111001210111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
71 1111111001210111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
72 1111111001210111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
73 1111111001210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
74 1111111001210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
75 1111111001210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
76 1111111001210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
77 1111111001210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
78 1111111001210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
79 1111111001210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
80 1111111001210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
81 1111111001210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
82 1111111001210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
83 1111111001210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
84 1111111001201211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
85 1111111001201211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
86 1111111001201211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
87 1111111001201211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
88 1111111001201211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
89 1111111001201211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
90 1111111001201210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
91 1111111001201202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
92 1111111001201202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
93 1111111001201202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
94 1111111001201202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
95 1111111001201202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
96 1111111001201202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
97 1111111001200111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
98 1111111001200111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
99 1111111001200111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
100 1111111001200111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
101 1111111001200111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
102 1111111001200111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		
103 1111111001200110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
104 1111111001200102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
105 1111111001200102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
106 1111111001200102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
107 1111111001200102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
108 1111111001200102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
109 1111111001200102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
110 1111111001200022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
111 1111111000211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
112 1111111000211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
113 1111111000211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
114 1111111000211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
115 1111111000211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
116 1111111000211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
117 1111111000211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
118 1111111000211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
119 1111111000211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
120 1111111000211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
121 1111111000211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
122 1111111000211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
123 1111111000211202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
124 1111111000210111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
125 1111111000210111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
126 1111111000210111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
127 1111111000210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
128 1111111000210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
129 1111111000210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
130 1111111000210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
131 1111111000210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
132 1111111000210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1   DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
133 111111100021010210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
134 111111100021010201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
135 111111100021010201 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
136 111111100021010200 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
137 111111100021002222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
138 111111100020222211 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
139 111111100020222211 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
140 111111100020222210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
141 111111100020222201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
142 111111100020222201 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
143 111111100020222200 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
144 111111022222222222 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
145 111110112222222222	.1000E+01 .1000E-03 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
146 111110101211121111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
147 111110101211121110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
148 111110101211121102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
149 111110101211121011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
150 111110101211121010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
151 111110101211121002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
152 111110101211121022	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
153 111110101211120211	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
154 111110101211120211 0	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
155 111110101211120210 2	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
156 111110101211120201 1	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
157 1111101012111202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
158 1111101012111202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
159 1111101012110111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
160 1111101012110111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
161 1111101012110111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
162 1111101012110111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
163 1111101012110111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
164 1111101012110111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
165 1111101012110110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
166 1111101012110102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
167 1111101012110102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
168 1111101012110102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
169 1111101012110102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
170 1111101012110102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
171 1111101012110102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
172 1111101012110022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
173 1111101012101211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
174 1111101012101211110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
175 1111101012101211102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
176 1111101012101211011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
177 1111101012101211010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
178 1111101012101211002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
179 1111101012101210222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
180 1111101012101202111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
181 1111101012101202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
182 1111101012101202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
183 1111101012101202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
184 1111101012101202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
185 1111101012101202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
186 1111101012100111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
187 1111101012100111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
188 1111101012100111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
189 1111101012100111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
190 1111101012100111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
191 1111101012100111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
192 1111101012100110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
193 1111101012100102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
194 1111101012100102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
195 1111101012100102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
196 1111101012100102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
197 1111101012100102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
198 1111101012100102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
199 1111101012100022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
200 1111101012022222222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
201 1111101001211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
202 1111101001211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
203 1111101001211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
204 1111101001211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
205 1111101001211211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
206 1111101001211211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
207 1111101001211210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
208 1111101001211202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
209 1111101001211202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
210 1111101001211202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
211 1111101001211202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
212 1111101001211202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
213 1111101001211202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
214 1111101001210111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
215 1111101001210111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
216 1111101001210111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
217 1111101001210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
218 1111101001210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
219 1111101001210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
220 1111101001210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
221 1111101001210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
222 1111101001210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
223 1111101001210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
224 1111101001210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
225 1111101001210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
226 1111101001210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
227 1111101001210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
228 1111101001201211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
229 111110100120121111 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
230 111110100120121110 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
231 111110100120121101 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
232 111110100120121101 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
233 111110100120121100 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
234 111110100120121022 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
235 111110100120120211 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
236 111110100120120211 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
237 111110100120120210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
238 111110100120120201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
239 111110100120120201 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
240 111110100120120200 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
241	1111101001200111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
242	1111101001200111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
243	1111101001200111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
244	1111101001200111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
245	1111101001200111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
246	1111101001200111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
247	1111101001200110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
248	1111101001200102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
249	1111101001200102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
250	1111101001200102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
251	1111101001200102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
252	1111101001200102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
253 1111101001200102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
254 1111101001200022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
255 1111101000211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
256 1111101000211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
257 1111101000211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
258 1111101000211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
259 1111101000211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
260 1111101000211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
261 1111101000211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
262 1111101000211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
263 1111101000211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
264 1111101000211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
265	1111101000211202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
266	1111101000211202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
267	1111101000211202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
268	1111101000210111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
269	1111101000210111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
270	1111101000210111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
271	1111101000210111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
272	1111101000210111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
273	1111101000210111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		
274	1111101000210110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
275	1111101000210102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
276	1111101000210102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
277	1111101000210102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
278	1111101000210102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
279	1111101000210102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
280	1111101000210102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
281	1111101000210022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
282	1111101000202222111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
283	1111101000202222110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
284	1111101000202222102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
285	1111101000202222011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
286	1111101000202222010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
287	1111101000202222002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
288	1111100222222222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E-11
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
289	111102222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
290	1110111122222222222	.1000E+01 .1000E-03 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
291	1110111012121211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
292	1110111012121211110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
293	1110111012121211102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
294	1110111012121211011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
295	1110111012121211010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
296	1110111012121211002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
297	1110111012121210222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
298	1110111012121202111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
299	1110111012121202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
300	1110111012121202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
301	1110111012121202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
302	1110111012121202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
303	1110111012121202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
304	1110111012120111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
305	1110111012120111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
306	1110111012120111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
307	1110111012120111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
308	1110111012120111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
309	1110111012120111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
310	1110111012120110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
311	1110111012120102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
312	1110111012120102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TML8 CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
313 1110111012120102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
314 1110111012120102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
315 1110111012120102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
316 1110111012120102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
317 1110111012120022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
318 1110111012022222222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
319 1110111001211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
320 1110111001211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
321 1110111001211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
322 1110111001211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
323 1110111001211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
324 1110111001211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
325 1110111001211210222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
326 1110111001211202111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
327 1110111001211202110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
328 1110111001211202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
329 1110111001211202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
330 1110111001211202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
331 1110111001211202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
332 1110111001210111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
333 1110111001210111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
334 1110111001210111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
335 1110111001210111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
336 1110111001210111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		

15:37:22 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
337 111011100121011 1002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
338 111011100121011 0222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
339 111011100121010 2111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
340 111011100121010 2110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
341 111011100121010 2102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
342 111011100121010 2011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
343 111011100121010 2010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
344 111011100121010 2002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
345 111011100121002 2222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
346 111011100120121 1111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
347 111011100120121 1110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
348 111011100120121 1102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
349 111011100120121101 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
350 111011100120121101 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
351 111011100120121100 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
352 111011100120121022 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
353 111011100120120211 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
354 111011100120120211 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
355 111011100120120210 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
356 111011100120120201 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
357 111011100120120201 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
358 111011100120120200 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
359 111011100120011111 1	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
360 111011100120011111 0	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
361	1110111001200111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
362	1110111001200111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
363	1110111001200111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
364	1110111001200111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		
365	1110111001200110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
366	1110111001200102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
367	1110111001200102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
368	1110111001200102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
369	1110111001200102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
370	1110111001200102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
371	1110111001200102002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
372	1110111001200022222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
373	1110111000211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
374	1110111000211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
375	1110111000211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
376	1110111000211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
377	1110111000211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
378	1110111000211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
379	1110111000211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
380	1110111000211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
381	1110111000211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
382	1110111000211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
383	1110111000211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
384	1110111000211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
385	1110111000211202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
386	1110111000210111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
387	1110111000210111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
388	1110111000210111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
389	1110111000210111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
390	1110111000210111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
391	1110111000210111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		
392	1110111000210110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
393	1110111000210102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
394	1110111000210102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
395	1110111000210102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
396	1110111000210102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
397 1110111000210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
398 1110111000210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
399 1110111000210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
400 1110111000202222111	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
401 1110111000202222110	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
402 1110111000202222102	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
403 1110111000202222011	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
404 1110111000202222010	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
405 1110111000202222002	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
406 1110110222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01
407 1110101122222222222	.1000E+01 .1000E-03 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
408 1110101012121211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
409	1110101012121211110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
410	1110101012121211102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
411	1110101012121211011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
412	1110101012121211010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
413	1110101012121211002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.1000E+00	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
414	1110101012121210222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
415	1110101012121202111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
416	1110101012121202110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
417	1110101012121202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
418	1110101012121202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
419	1110101012121202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
420	1110101012121202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E+01
		.9000E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
421 1110101012120111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
422 1110101012120111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
423 1110101012120111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
424 1110101012120111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
425 1110101012120111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
426 1110101012120111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
427 1110101012120110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
428 1110101012120102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
429 1110101012120102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
430 1110101012120102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
431 1110101012120102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
432 1110101012120102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
433 1110101012120102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
434 1110101012120022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
435 1110101012022222222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
436 1110101001211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
437 1110101001211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
438 1110101001211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
439 1110101001211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
440 1110101001211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
441 1110101001211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
442 1110101001211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
443 1110101001211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
444 1110101001211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
.445	1110101001211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
446	1110101001211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
447	1110101001211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
448	1110101001211202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
449	1110101001210111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
450	1110101001210111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
451	1110101001210111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
452	1110101001210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
453	1110101001210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
454	1110101001210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
455	1110101001210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
456	1110101001210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
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		A H O	B I P	C J Q	D K R	E L S	F M	G N
457	1110101001210102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
458	1110101001210102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
459	1110101001210102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
460	1110101001210102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
461	1110101001210102002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
462	1110101001210022222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
463	1110101001201211111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E-03		
464	1110101001201211110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
465	1110101001201211102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
466	1110101001201211011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
467	1110101001201211010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
468	1110101001201211002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
469	1110101001201210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
470	1110101001201202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
471	1110101001201202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
472	1110101001201202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
473	1110101001201202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
474	1110101001201202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
475	1110101001201202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
476	1110101001200111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
477	1110101001200111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
478	1110101001200111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
479	1110101001200111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
480	1110101001200111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
481	1110101001200111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
482	1110101001200110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
483	1110101001200102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
484	1110101001200102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
485	1110101001200102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
486	1110101001200102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
487	1110101001200102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
488	1110101001200102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
489	1110101001200022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
490	1110101000211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
491	1110101000211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
492	1110101000211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
493	1110101000211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
494	1110101000211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
495	1110101000211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
496	1110101000211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
497	1110101000211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
498	1110101000211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
499	1110101000211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
500	1110101000211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
501	1110101000211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
502	1110101000211202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
503	1110101000210111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
504	1110101000210111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
505 1110101000210111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
506 1110101000210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
507 1110101000210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
508 1110101000210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
509 1110101000210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E+00	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
510 1110101000210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
511 1110101000210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
512 1110101000210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
513 1110101000210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
514 1110101000210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
515 1110101000210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
516 1110101000210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
517 111010100020222111	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
518 111010100020222110	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
519 111010100020222102	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
520 111010100020222011	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
521 111010100020222010	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
522 111010100020222002	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
523 111010022222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
524 111002222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
525 110222222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
526 102111122222222222	.1000E+01 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
527 102111101211121111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
528 102111101211121110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
529 1021111012111211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
530 1021111012111211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
531 1021111012111211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
532 1021111012111211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
533 1021111012111210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
534 1021111012111202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
535 1021111012111202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
536 1021111012111202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
537 1021111012111202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
538 1021111012111202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
539 1021111012111202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
540 1021111012110111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E-03		

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
541 1021111012110111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
542 1021111012110111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
543 1021111012110111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
544 1021111012110111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
545 1021111012110111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
546 1021111012110110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
547 1021111012110102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
548 1021111012110102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
549 1021111012110102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
550 1021111012110102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
551 1021111012110102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
552 1021111012110102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
553 1021111012110022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
554 1021111012101211111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
555 1021111012101211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
556 1021111012101211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
557 1021111012101211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
558 1021111012101211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
559 1021111012101211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
560 1021111012101210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
561 1021111012101202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
562 1021111012101202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
563 1021111012101202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
564 1021111012101202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
565 1021111012101202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
566 1021111012101202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
567 1021111012100111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
568 1021111012100111110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
569 1021111012100111102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
570 1021111012100111011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
571 1021111012100111010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
572 1021111012100111002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
573 1021111012100110222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
574 1021111012100102111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
575 1021111012100102110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
576 1021111012100102102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
577	1021111012100102011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
578	1021111012100102010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
579	1021111012100102002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
580	1021111012100022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
581	1021111012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
582	1021111001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
583	1021111001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
584	1021111001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
585	1021111001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
586	1021111001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
587	1021111001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
588	1021111001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
589 1021111001211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
590 1021111001211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
591 1021111001211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
592 1021111001211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
593 1021111001211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
594 1021111001211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
595 1021111001210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
596 1021111001210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
597 1021111001210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
598 1021111001210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
599 1021111001210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
600 1021111001210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLS CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
601 1021111001210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
602 1021111001210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
603 1021111001210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
604 1021111001210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
605 1021111001210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
606 1021111001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
607 1021111001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
608 1021111001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
609 1021111001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
610 1021111001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
611 1021111001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
612 1021111001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
613 1021111001201211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
614 1021111001201211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
615 1021111001201210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
616 1021111001201202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
617 1021111001201202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
618 1021111001201202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
619 1021111001201202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
620 1021111001201202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
621 1021111001201202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
622 1021111001200111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
623 1021111001200111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
624 1021111001200111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
625 1021111001200111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
626 1021111001200111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
627 1021111001200111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		
628 1021111001200110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
629 1021111001200102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
630 1021111001200102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
631 1021111001200102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
632 1021111001200102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
633 1021111001200102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
634 1021111001200102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
635 1021111001200022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
636 1021111000211211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E-03		

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
637	1021111000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
638	1021111000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
639	1021111000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
640	1021111000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
641	1021111000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
642	1021111000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
643	1021111000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
644	1021111000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
645	1021111000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
646	1021111000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
647	1021111000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
648	1021111000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
649 1021111000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
650 1021111000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
651 1021111000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
652 1021111000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
653 1021111000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
654 1021111000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
655 1021111000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
656 1021111000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
657 1021111000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
658 1021111000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
659 1021111000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
660 1021111000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
661 1021111000210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
662 1021111000210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
663 1021111000202222111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
664 1021111000202222110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
665 1021111000202222102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
666 1021111000202222011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
667 1021111000202222010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
668 1021111000202222002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
669 1021110222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
670 1021101122222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
671 1021101012111211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E-03		
672 1021101012111211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.9999E+00		

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
673	1021101012111211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
674	1021101012111211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
675	1021101012111211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
676	1021101012111211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
677	1021101012111210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
678	1021101012111202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
679	1021101012111202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
680	1021101012111202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
681	1021101012111202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
682	1021101012111202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
683	1021101012111202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
684	1021101012110111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
685	1021101012110111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.1000E+00	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
686	1021101012110111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
687	1021101012110111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.1000E+00	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
688	1021101012110111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.1000E+00	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
689	1021101012110111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.1000E+00	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
690	1021101012110110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
691	1021101012110102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
692	1021101012110102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
693	1021101012110102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
694	1021101012110102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.9000E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
695	1021101012110102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.9000E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
696	1021101012110102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.9999E+00
		.9000E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
697	1021101012110022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
698	1021101012101211111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
699	1021101012101211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
700	1021101012101211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
701	1021101012101211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
702	1021101012101211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
703	1021101012101211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
704	1021101012101210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
705	1021101012101202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
706	1021101012101202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
707	1021101012101202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
708	1021101012101202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
709 1021101012101202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
710 1021101012101202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
711 1021101012100111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
712 1021101012100111110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
713 1021101012100111102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
714 1021101012100111011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
715 1021101012100111010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
716 1021101012100111002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
717 1021101012100110222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
718 1021101012100102111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
719 1021101012100102110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
720 1021101012100102102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
721 1021101012100102011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
722 1021101012100102010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
723 1021101012100102002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
724 1021101012100022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
725 1021101012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
726 1021101001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
727 1021101001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
728 1021101001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
729 1021101001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
730 1021101001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
731 1021101001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
732 1021101001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
733 1021101001211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
734 1021101001211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
735 1021101001211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
736 1021101001211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
737 1021101001211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
738 1021101001211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
739 1021101001210111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
740 1021101001210111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
741 1021101001210111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
742 1021101001210111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
743 1021101001210111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
744 1021101001210111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
745 1021101001210110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
746 1021101001210102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
747 1021101001210102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
748 1021101001210102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
749 1021101001210102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
750 1021101001210102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
751 1021101001210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
752 1021101001210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
753 1021101001201211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E-03		
754 1021101001201211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
755 1021101001201211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
756 1021101001201211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E-03		

15:37:22 30-Jun-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
757 1021101001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
758 1021101001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
759 1021101001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
760 1021101001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
761 1021101001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
762 1021101001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
763 1021101001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
764 1021101001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
765 1021101001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
766 1021101001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
767 1021101001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
768 1021101001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H C	B I P	C J Q	D K R	E L S	F M	G N
769 1021101001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
770 1021101001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
771 1021101001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
772 1021101001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
773 1021101001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
774 1021101001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
775 1021101001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
776 1021101001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
777 1021101001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
778 1021101001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
779 1021101001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
780 1021101000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
781 1021101000211211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
782 1021101000211211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
783 1021101000211211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
784 1021101000211211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
785 1021101000211211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
786 1021101000211210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
787 1021101000211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
788 1021101000211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
789 1021101000211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
790 1021101000211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
791 1021101000211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
792 1021101000211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		

15:37:22 30-Jun-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
793 1021101000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
794 1021101000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
795 1021101000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
796 1021101000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
797 1021101000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
798 1021101000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
799 1021101000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
800 1021101000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
801 1021101000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
802 1021101000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
803 1021101000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
804 1021101000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
805 102110100021010200 2	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
806 102110100021002222 2	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
807 102110100020222211 1	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
808 102110100020222211 0	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
809 102110100020222210 2	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
810 102110100020222201 1	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
811 102110100020222201 0	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
812 102110100020222200 2	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
813 102110022222222222 2	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
814 102102222222222222 2	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
815 102011122222222222 2	.1000E+01 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
816 102011101212121111 1	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
817 1020111012121211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
818 1020111012121211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
819 1020111012121211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
820 1020111012121211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
821 1020111012121211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
822 1020111012121210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
823 1020111012121202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
824 1020111012121202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
825 1020111012121202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
826 1020111012121202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
827 1020111012121202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
828 1020111012121202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
829	1020111012120111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
830	1020111012120111110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
831	1020111012120111102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
832	1020111012120111011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
833	1020111012120111010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
834	1020111012120111002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
835	1020111012120110222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
836	1020111012120102111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
837	1020111012120102110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
838	1020111012120102102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
839	1020111012120102011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
840	1020111012120102010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
841 1020111012120102002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
842 1020111012120022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
843 1020111012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
844 1020111001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
845 1020111001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
846 1020111001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
847 1020111001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
848 1020111001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
849 1020111001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
850 1020111001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
851 1020111001211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
852 1020111001211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
853 1020111001211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
854 1020111001211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
855 1020111001211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		
856 1020111001211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
857 1020111001210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
858 1020111001210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
859 1020111001210111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
860 1020111001210111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
861 1020111001210111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
862 1020111001210111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		
863 1020111001210110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
864 1020111001210102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		

15:37:22 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
865	1020111001210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
866	1020111001210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
867	1020111001210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
868	1020111001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
869	1020111001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
870	1020111001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
871	1020111001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
872	1020111001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
873	1020111001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
874	1020111001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
875	1020111001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
876	1020111001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
877 1020111001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
878 1020111001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
879 1020111001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
880 1020111001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
881 1020111001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
882 1020111001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
883 1020111001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
884 1020111001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
885 1020111001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
886 1020111001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
887 1020111001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
888 1020111001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
889 1020111001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
890 1020111001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
891 1020111001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
892 1020111001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
893 1020111001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
894 1020111001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
895 1020111001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
896 1020111001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
897 1020111001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03
898 1020111000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
899 1020111000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
900 1020111000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
901 1020111000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
902 1020111000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
903 1020111000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
904 1020111000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
905 1020111000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
906 1020111000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
907 1020111000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
908 1020111000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .1000E+01
909 1020111000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .1000E+01
910 1020111000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E+01
911 1020111000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
912 1020111000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
913 1020111000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
914 1020111000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
915 1020111000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
916 1020111000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
917 1020111000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
918 1020111000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
919 1020111000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
920 1020111000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
921 1020111000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .9999E+00
922 1020111000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .9999E+00
923 1020111000210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .9999E+00
924 1020111000210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E-03

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
925	1020111000202222111	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
926	1020111000202222110	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
927	1020111000202222102	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
928	1020111000202222011	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
929	1020111000202222010	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
930	1020111000202222002	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
931	1020110222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01
932	1020101122222222222	.1000E+01 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
933	1020101012121211111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
934	1020101012121211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
935	1020101012121211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
936	1020101012121211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
937 1020101012121211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
938 1020101012121211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
939 1020101012121210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
940 1020101012121202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
941 1020101012121202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
942 1020101012121202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
943 1020101012121202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
944 1020101012121202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
945 1020101012121202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
946 1020101012120111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
947 1020101012120111110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
948 1020101012120111102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
949 1020101012120111011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
950 1020101012120111010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
951 1020101012120111002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
952 1020101012120110222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
953 1020101012120102111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
954 1020101012120102110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
955 1020101012120102102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
956 1020101012120102011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
957 1020101012120102010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
958 1020101012120102002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
959 1020101012120022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
960 1020101012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
961	1020101001211211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E-03		
962	1020101001211211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.9999E+00		
963	1020101001211211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E+01		
964	1020101001211211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.1000E-03		
965	1020101001211211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-03	.9999E+00		
966	1020101001211211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9999E+00	.1000E+01		
967	1020101001211210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
968	1020101001211202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
969	1020101001211202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
970	1020101001211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
971	1020101001211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		
972	1020101001211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00		

15:37:22 30-Jun-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
973 1020101001211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01		
974 1020101001210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.1000E-03		
975 1020101001210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.1000E-03	.9999E+00		
976 1020101001210111102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.9999E+00	.9999E+00	.1000E+01		
977 1020101001210111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.1000E-03		
978 1020101001210111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.1000E-03	.9999E+00		
979 1020101001210111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.9000E+00	.1000E-03	.9999E+00	.1000E+01		
980 1020101001210110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.1000E-03	.1000E+00	.1000E+01	.1000E+01	.1000E+01		
981 1020101001210102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03		
982 1020101001210102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00		
983 1020101001210102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01		
984 1020101001210102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03		

15:37:22 30-Jun-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
985	1020101001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
986	1020101001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
987	1020101001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
988	1020101001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
989	1020101001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
990	1020101001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
991	1020101001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
992	1020101001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
993	1020101001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
994	1020101001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
995	1020101001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
996	1020101001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
997	1020101001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
998	1020101001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
999	1020101001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1000	1020101001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1001	1020101001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1002	1020101001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1003	1020101001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1004	1020101001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1005	1020101001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1006	1020101001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1007	1020101001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1008	1020101001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1009 1020101001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1010 1020101001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1011 1020101001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1012 1020101001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1013 1020101001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1014 1020101001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
1015 1020101000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1016 1020101000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1017 1020101000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1018 1020101000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1019 1020101000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1020 1020101000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1021 1020101000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1022 1020101000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1023 1020101000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1024 1020101000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1025 1020101000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1026 1020101000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1027 1020101000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E+01
1028 1020101000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1029 1020101000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1030 1020101000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1031 1020101000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1032 1020101000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1033 1020101000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9000E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1034 1020101000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E+00	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1035 1020101000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1036 1020101000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1037 1020101000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1038 1020101000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1039 1020101000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1040 1020101000210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .9999E+00
1041 1020101000210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E-03
1042 1020101000202222111	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1043 1020101000202222110	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1044 1020101000202222102	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01

15:37:22 30-Jun-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TEIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TEIP
TE INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1045 1020101000202222011	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1046 1020101000202222010	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1047 1020101000202222002	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1048 1020100222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
1049 1020022222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
1050 0222222222222222222	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01

2.6.4.6 Containment Response Class VI (CRC VI)

The basic attributes of a Class VI challenge to containment are the same as those of Class V except that minimal containment safeguards are available. This Class is comprised of containment event tree entry states TEFC, TEF, and TEC.

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
1	1111111122222222222	.1000E+01 .1000E-03 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
2	1111111012111211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
3	1111111012111211110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
4	1111111012111211102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
5	1111111012111211011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
6	1111111012111211010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
7	1111111012111211002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
8	1111111012111210222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
9	1111111012111202111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
10	1111111012111202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
11	1111111012111202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
12	1111111012111202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
13 1111111012111202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
14 1111111012111202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
15 1111111012110111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
16 1111111012110111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
17 1111111012110111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
18 1111111012110111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
19 1111111012110111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
20 1111111012110111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
21 1111111012110110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
22 1111111012110102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
23 1111111012110102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
24 1111111012110102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP                17:37:44  1-Jul-81
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
25 1111111012110102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
26 1111111012110102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
27 1111111012110102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
28 1111111012110022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
29 1111111012101211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
30 1111111012101211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
31 1111111012101211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
32 1111111012101211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
33 1111111012101211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
34 1111111012101211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
35 1111111012101210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
36 1111111012101202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
37 1111111012101202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
38 1111111012101202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
39 1111111012101202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
40 1111111012101202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
41 1111111012101202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
42 1111111012100111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
43 1111111012100111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
44 1111111012100111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
45 1111111012100111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
46 1111111012100111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
47 1111111012100111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
48 1111111012100110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
49 1111111012100102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
50 1111111012100102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
51 1111111012100102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
52 1111111012100102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
53 1111111012100102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
54 1111111012100102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
55 1111111012100022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
56 1111111012022222222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
57 1111111001211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
58 1111111001211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
59 1111111001211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
60 1111111001211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
61	1111111001211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
62	1111111001211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
63	1111111001211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
64	1111111001211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
65	1111111001211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
66	1111111001211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
67	1111111001211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
68	1111111001211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
69	1111111001211202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
70	1111111001210111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
71	1111111001210111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
72	1111111001210111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
73 1111111001210111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
74 1111111001210111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
75 1111111001210111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
76 1111111001210110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
77 1111111001210102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
78 1111111001210102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
79 1111111001210102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
80 1111111001210102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
81 1111111001210102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
82 1111111001210102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
83 1111111001210022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
84 1111111001201211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
85 1111111001201211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
86 1111111001201211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
87 1111111001201211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
88 1111111001201211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
89 1111111001201211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
90 1111111001201210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
91 1111111001201202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
92 1111111001201202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
93 1111111001201202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
94 1111111001201202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
95 1111111001201202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
96 1111111001201202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
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TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A M O	B I P	C J Q	D K R	E L S	F M	G N
97	111111100120011111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
98	111111100120011110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
99	111111100120011102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
100	111111100120011011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
101	111111100120011010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
102	111111100120011002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
103	111111100120011022	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
104	111111100120010211	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
105	111111100120010211	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
106	111111100120010210	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
107	111111100120010211	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
108	111111100120010210	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
109	1111111001200102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
110	1111111001200022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
111	1111111000211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
112	1111111000211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
113	1111111000211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
114	1111111000211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
115	1111111000211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
116	1111111000211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
117	1111111000211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
118	1111111000211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
119	1111111000211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
120	1111111000211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
121	1111111000211202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
122	1111111000211202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
123	1111111000211202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
124	1111111000210111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
125	1111111000210111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
126	1111111000210111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
127	1111111000210111011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
128	1111111000210111010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
129	1111111000210111002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
130	1111111000210110222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
131	1111111000210102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
132	1111111000210102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
133 1111111000210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
134 1111111000210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
135 1111111000210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
136 1111111000210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
137 1111111000210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
138 1111111000202222111	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
139 1111111000202222110	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
140 1111111000202222102	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
141 1111111000202222011	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
142 1111111000202222010	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
143 1111111000202222002	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
144 1111110222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
145 111110112222222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
146 111110101211121111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
147 111110101211121110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
148 111110101211121102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
149 111110101211121011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
150 111110101211121010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
151 111110101211121002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
152 111110101211121022	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
153 111110101211120211	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
154 111110101211120211 0	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
155 111110101211120210 2	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
156 111110101211120201 1	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
157 1111101012111202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
158 1111101012111202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
159 1111101012110111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
160 1111101012110111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
161 1111101012110111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
162 1111101012110111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
163 1111101012110111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
164 1111101012110111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
165 1111101012110110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
166 1111101012110102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
167 1111101012110102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
168 1111101012110102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
169 111110101211010201 1	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
170 111110101211010201 0	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
171 111110101211010200 2	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
172 111110101211002222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
173 111110101210121111 1	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
174 111110101210121111 0	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
175 111110101210121110 2	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
176 111110101210121101 1	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
177 111110101210121101 0	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
178 111110101210121100 2	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
179 111110101210121022 2	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
180 111110101210120211 1	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
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	A H O	B I P	C J Q	D K R	E L S	F M	G N
181 111110101210120211 0	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
182 111110101210120210 2	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
183 111110101210120201 1	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
184 111110101210120201 0	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
185 111110101210120200 2	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
186 111110101210011111 1	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
187 111110101210011111 0	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
188 111110101210011110 2	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
189 111110101210011101 1	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
190 111110101210011101 0	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
191 111110101210011100 2	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
192 111110101210011022 2	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
193 1111101012100102111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
194 1111101012100102110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
195 1111101012100102102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
196 1111101012100102011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
197 1111101012100102010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
198 1111101012100102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
199 1111101012100022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
200 1111101012022222222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
201 1111101001211211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
202 1111101001211211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
203 1111101001211211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
204 1111101001211211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
205 1111101001211211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
206 1111101001211211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
207 1111101001211210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
208 1111101001211202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
209 1111101001211202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
210 1111101001211202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
211 1111101001211202011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
212 1111101001211202010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
213 1111101001211202002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
214 1111101001210111111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
215 1111101001210111110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
216 1111101001210111102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
217	1111101001210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
218	1111101001210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
219	1111101001210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
220	1111101001210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
221	1111101001210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
222	1111101001210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
223	1111101001210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
224	1111101001210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
225	1111101001210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
226	1111101001210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
227	1111101001210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
228	1111101001201211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
229	1111101001201211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00	.1000E+01 .1000E+01
230	1111101001201211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00	.1000E+01 .1000E+01
231	1111101001201211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00	.1000E+01 .1000E+01
232	1111101001201211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00	.1000E+01 .1000E+01
233	1111101001201211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00	.1000E+01 .1000E+01
234	1111101001201210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00	.1000E+01 .1000E+01
235	1111101001201202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00	.1000E+01 .1000E+01
236	1111101001201202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00	.1000E+01 .1000E+01
237	1111101001201202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00	.1000E+01 .1000E+01
238	1111101001201202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00	.1000E+01 .1000E+01
239	1111101001201202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00	.1000E+01 .1000E+01
240	1111101001201202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
241	1111101001200111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
242	1111101001200111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
243	1111101001200111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
244	1111101001200111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
245	1111101001200111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
246	1111101001200111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
247	1111101001200110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
248	1111101001200102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
249	1111101001200102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
250	1111101001200102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
251	1111101001200102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
252	1111101001200102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
253 1111101001200102002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
254 1111101001200022222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
255 1111101000211211111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
256 1111101000211211110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
257 1111101000211211102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
258 1111101000211211011	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
259 1111101000211211010	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
260 1111101000211211002	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
261 1111101000211210222	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
262 1111101000211202111	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
263 1111101000211202110	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
264 1111101000211202102	.1000E+01	.1000E-03	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
265 1111101000211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
266 1111101000211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
267 1111101000211202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
268 1111101000210111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
269 1111101000210111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
270 1111101000210111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
271 1111101000210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
272 1111101000210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
273 1111101000210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
274 1111101000210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
275 1111101000210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
276 1111101000210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
277 1111101000210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
278 1111101000210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
279 1111101000210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
280 1111101000210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
281 1111101000210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
282 1111101000202222111	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
283 1111101000202222110	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
284 1111101000202222102	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
285 1111101000202222011	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
286 1111101000202222010	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
287 1111101000202222002	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
288 1111100222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
289	111102222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
290	111011122222222222	.1000E+01 .1000E-03 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
291	1110111012121211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
292	1110111012121211110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
293	1110111012121211102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
294	1110111012121211011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
295	1110111012121211010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
296	1110111012121211002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
297	1110111012121210222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
298	1110111012121202111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
299	1110111012121202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
300	1110111012121202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
301 1110111012121202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
302 1110111012121202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
303 1110111012121202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
304 1110111012120111111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
305 1110111012120111110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
306 1110111012120111102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
307 1110111012120111011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
308 1110111012120111010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
309 1110111012120111002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
310 1110111012120110222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
311 1110111012120102111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
312 1110111012120102110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
313	1110111012120102102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
314	1110111012120102011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
315	1110111012120102010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
316	1110111012120102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
317	1110111012120022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
318	1110111012022222222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
319	1110111001211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
320	1110111001211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
321	1110111001211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
322	1110111001211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
323	1110111001211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
324	1110111001211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
325 1110111001211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
326 1110111001211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
327 1110111001211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
328 1110111001211202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
329 1110111001211202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
330 1110111001211202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
331 1110111001211202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
332 1110111001210111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
333 1110111001210111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
334 1110111001210111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
335 1110111001210111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
336 1110111001210111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
337	1110111001210111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
338	1110111001210110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
339	1110111001210102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
340	1110111001210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
341	1110111001210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
342	1110111001210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
343	1110111001210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
344	1110111001210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
345	1110111001210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
346	1110111001201211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
347	1110111001201211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
348	1110111001201211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
349	1110111001201211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
350	1110111001201211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
351	1110111001201211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
352	1110111001201210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
353	1110111001201202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
354	1110111001201202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
355	1110111001201202102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
356	1110111001201202011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
357	1110111001201202010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
358	1110111001201202002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
359	1110111001200111111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
360	1110111001200111110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
361	1110111001200111102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
362	1110111001200111011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
363	1110111001200111010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
364	1110111001200111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
365	1110111001200110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
366	1110111001200102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
367	1110111001200102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
368	1110111001200102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
369	1110111001200102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
370	1110111001200102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
371	1110111001200102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
372	1110111001200022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03

17:37:44 1-Jul-81

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TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
373	1110111000211211111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
374	1110111000211211110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
375	1110111000211211102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
376	1110111000211211011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
377	1110111000211211010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
378	1110111000211211002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
379	1110111000211210222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
380	1110111000211202111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
381	1110111000211202110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
382	1110111000211202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
383	1110111000211202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
384	1110111000211202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

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TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
385 111011100021120200 2	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
386 1110111000210111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
387 1110111000210111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
388 1110111000210111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
389 1110111000210111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
390 1110111000210111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
391 1110111000210111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
392 1110111000210110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
393 1110111000210102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
394 1110111000210102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
395 1110111000210102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
396 1110111000210102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

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TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
397	1110111000210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
398	1110111000210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
399	1110111000210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
400	1110111000202222111	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
401	1110111000202222110	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
402	1110111000202222102	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
403	1110111000202222011	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
404	1110111000202222010	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
405	1110111000202222002	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
406	1110110222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01
407	1110101122222222222	.1000E+01 .1000E-03 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
408	1110101012121211111	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
409 1110101012121211110	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
410 1110101012121211102	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
411 1110101012121211011	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
412 1110101012121211010	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
413 1110101012121211002	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
414 1110101012121210222	.1000E+01 .9999E+00 .1000E+00	.1000E-03 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
415 1110101012121202111	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
416 1110101012121202110	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
417 1110101012121202102	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
418 1110101012121202011	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
419 1110101012121202010	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
420 1110101012121202002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
421 1110101012120111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
422 1110101012120111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
423 1110101012120111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
424 1110101012120111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.9000E+00		
425 1110101012120111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.1000E+00		
426 1110101012120111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
427 1110101012120110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
428 1110101012120102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
429 1110101012120102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
430 1110101012120102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
431 1110101012120102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.9000E+00		
432 1110101012120102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.1000E+00		

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
433 1110101012120102002	.1000E+01 .9999E+00 .9000E+00	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
434 1110101012120022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
435 1110101012022222222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
436 1110101001211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
437 1110101001211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
438 1110101001211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
439 1110101001211211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
440 1110101001211211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
441 1110101001211211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
442 1110101001211210222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
443 1110101001211202111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
444 1110101001211202110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
445	1110101001211202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
446	1110101001211202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
447	1110101001211202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
448	1110101001211202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
449	1110101001210111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
450	1110101001210111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
451	1110101001210111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
452	1110101001210111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
453	1110101001210111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
454	1110101001210111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
455	1110101001210110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
456	1110101001210102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
457	1110101001210102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
458	1110101001210102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
459	1110101001210102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
460	1110101001210102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
461	1110101001210102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
462	1110101001210022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
463	1110101001201211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
464	1110101001201211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
465	1110101001201211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
466	1110101001201211011	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
467	1110101001201211010	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
468	1110101001201211002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
469 1110101001201210222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
470 1110101001201202111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
471 1110101001201202110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
472 1110101001201202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
473 1110101001201202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
474 1110101001201202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
475 1110101001201202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
476 1110101001200111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
477 1110101001200111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
478 1110101001200111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
479 1110101001200111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
480 1110101001200111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

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ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
481	1110101001200111002	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
482	1110101001200110222	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
483	1110101001200102111	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
484	1110101001200102110	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
485	1110101001200102102	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
486	1110101001200102011	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
487	1110101001200102010	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
488	1110101001200102002	.1000E+01 .9999E+00 .9999E+00	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
489	1110101001200022222	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
490	1110101000211211111	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
491	1110101000211211110	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
492	1110101000211211102	.1000E+01 .9999E+00 .1000E-03	.1000E-03 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
493	1110101000211211011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
494	1110101000211211010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
495	1110101000211211002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
496	1110101000211210222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
497	1110101000211202111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
498	1110101000211202110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
499	1110101000211202102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
500	1110101000211202011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
501	1110101000211202010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
502	1110101000211202002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
503	1110101000210111111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
504	1110101000210111110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

17:37:44 1-Jul-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
505 1110101000210111102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
506 1110101000210111011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
507 1110101000210111010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
508 1110101000210111002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
509 1110101000210110222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
510 1110101000210102111	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
511 1110101000210102110	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
512 1110101000210102102	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
513 1110101000210102011	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
514 1110101000210102010	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
515 1110101000210102002	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
516 1110101000210022222	.1000E+01	.1000E-03	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

17:37:44 1-Jul-81

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Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
517 111010100020222111	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
518 111010100020222110	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
519 111010100020222102	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
520 111010100020222011	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
521 111010100020222010	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
522 111010100020222002	.1000E+01 .9999E+00 .1000E+01	.1000E-03 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
523 111010022222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
524 111002222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
525 110222222222222222	.1000E+01 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
526 102111122222222222	.1000E+01 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
527 102111012111211111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
528 102111012111211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
529 1021111012111211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
530 1021111012111211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
531 1021111012111211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
532 1021111012111211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
533 1021111012111210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
534 1021111012111202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
535 1021111012111202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
536 1021111012111202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
537 1021111012111202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
538 1021111012111202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
539 1021111012111202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
540 1021111012110111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
541 1021111012110111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
542 1021111012110111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
543 1021111012110111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
544 1021111012110111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
545 1021111012110111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
546 1021111012110110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
547 1021111012110102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
548 1021111012110102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
549 1021111012110102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
550 1021111012110102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
551 1021111012110102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
552 1021111012110102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H C	B I P	C J Q	D K R	E L S	F M	G N
553 1021111012110022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
554 1021111012101211111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
555 1021111012101211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
556 1021111012101211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
557 1021111012101211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
558 1021111012101211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
559 1021111012101211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
560 1021111012101210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
561 1021111012101202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
562 1021111012101202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
563 1021111012101202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
564 1021111012101202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
565 1021111012101202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
566 1021111012101202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
567 1021111012100111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
568 1021111012100111110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
569 1021111012100111102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
570 1021111012100111011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
571 1021111012100111010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
572 1021111012100111002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
573 1021111012100110222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
574 1021111012100102111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
575 1021111012100102110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
576 1021111012100102102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
577 102111101210010201 1	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
578 102111101210010201 0	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
579 102111101210010200 2	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
580 102111101210002222 2	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
581 102111101202222222 2	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
582 102111100121121111 1	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
583 102111100121121111 0	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
584 102111100121121110 2	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
585 102111100121121101 1	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
586 102111100121121101 0	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
587 102111100121121100 2	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
588 102111100121121022 2	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
589 1021111001211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
590 1021111001211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
591 1021111001211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
592 1021111001211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
593 1021111001211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
594 1021111001211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
595 1021111001210111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
596 1021111001210111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
597 1021111001210111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
598 1021111001210111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
599 1021111001210111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
600 1021111001210111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE;A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
601 1021111001210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
602 1021111001210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
603 1021111001210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
604 1021111001210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
605 1021111001210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
606 1021111001210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
607 1021111001210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
608 1021111001210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
609 1021111001201211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
610 1021111001201211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
611 1021111001201211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
612 1021111001201211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
613 1021111001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
614 1021111001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
615 1021111001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
616 1021111001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
617 1021111001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
618 1021111001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
619 1021111001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
620 1021111001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
621 1021111001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
622 1021111001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
623 1021111001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
624 1021111001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
625 1021111001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
626 1021111001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
627 1021111001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
628 1021111001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
629 1021111001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
630 1021111001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
631 1021111001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
632 1021111001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
633 1021111001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
634 1021111001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
635 1021111001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .1000E-03
636 1021111000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
637 1021111000211211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
638 1021111000211211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
639 1021111000211211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
640 1021111000211211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
641 1021111000211211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
642 1021111000211210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
643 1021111000211202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
644 1021111000211202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
645 1021111000211202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
646 1021111000211202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
647 1021111000211202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
648 1021111000211202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H C	B I P	C J Q	D K R	E L S	F M	G N
649	1021111000210111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
650	1021111000210111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
651	1021111000210111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
652	1021111000210111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
653	1021111000210111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
654	1021111000210111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
655	1021111000210110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
656	1021111000210102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
657	1021111000210102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
658	1021111000210102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
659	1021111000210102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
660	1021111000210102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
661 1021111000210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
662 1021111000210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
663 1021111000202222111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
664 1021111000202222110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
665 1021111000202222102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
666 1021111000202222011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
667 1021111000202222010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
668 1021111000202222002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
669 1021110222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.1000E-03	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
670 1021101122222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
671 1021101012111211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
672 1021101012111211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
673 1021101012111211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
674 1021101012111211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
675 1021101012111211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
676 1021101012111211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
677 1021101012111210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
678 1021101012111202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
679 1021101012111202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
680 1021101012111202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
681 1021101012111202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
682 1021101012111202010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
683 1021101012111202002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
684 1021101012110111111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
685 1021101012110111110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
686 1021101012110111102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
687 1021101012110111011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
688 1021101012110111010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
689 1021101012110111002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
690 1021101012110110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
691 1021101012110102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
692 1021101012110102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
693 1021101012110102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
694 1021101012110102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
695 1021101012110102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
696 1021101012110102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
697 1021101012110022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
698 1021101012101211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.9999E+00		
699 1021101012101211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.9999E+00	.1000E-03		
700 1021101012101211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.0000E+00	.1000E-03	.1000E+01		
701 1021101012101211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
702 1021101012101211010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.9990E+00	.5000E+00		
703 1021101012101211002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E+01	.1000E-02	.1000E+01		
704 1021101012101210222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
705 1021101012101202111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
706 1021101012101202110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
707 1021101012101202102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
708 1021101012101202011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E+01	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
709 1021101012101202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
710 1021101012101202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
711 1021101012100111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
712 1021101012100111110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
713 1021101012100111102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
714 1021101012100111011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
715 1021101012100111010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
716 1021101012100111002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
717 1021101012100110222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
718 1021101012100102111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
719 1021101012100102110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
720 1021101012100102102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .0000E+00	.9000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
721 1021101012100102011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
722 1021101012100102010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
723 1021101012100102002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
724 1021101012100022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
725 1021101012022222222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.9000E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
726 1021101001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
727 1021101001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
728 1021101001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
729 1021101001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
730 1021101001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
731 1021101001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
732 1021101001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
733 1021101001211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
734 1021101001211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
735 1021101001211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
736 1021101001211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
737 1021101001211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
738 1021101001211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
739 1021101001210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
740 1021101001210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
741 1021101001210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
742 1021101001210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
743 1021101001210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
744 1021101001210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
745 1021101001210110222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
746 1021101001210102111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
747 1021101001210102110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
748 1021101001210102102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
749 1021101001210102011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
750 1021101001210102010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
751 1021101001210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
752 1021101001210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
753 1021101001201211111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
754 1021101001201211110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
755 1021101001201211102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
756 1021101001201211011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9999E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
757	1021101001201211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
758	1021101001201211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
759	1021101001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
760	1021101001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
761	1021101001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
762	1021101001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
763	1021101001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
764	1021101001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
765	1021101001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
766	1021101001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
767	1021101001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
768	1021101001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H C	B I P	C J C	D K R	E L S	F M	G N
769 1021101001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
770 1021101001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
771 1021101001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
772 1021101001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
773 1021101001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
774 1021101001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
775 1021101001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
776 1021101001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
777 1021101001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
778 1021101001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
779 1021101001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .1000E-03
780 1021101000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
781	1021101000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
782	1021101000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
783	1021101000211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
784	1021101000211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
785	1021101000211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
786	1021101000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
787	1021101000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
788	1021101000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
789	1021101000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
790	1021101000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
791	1021101000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
792	1021101000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
793 1021101000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
794 1021101000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
795 1021101000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
796 1021101000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
797 1021101000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
798 1021101000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
799 1021101000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.9000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
800 1021101000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
801 1021101000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E-03	.1000E+01 .9999E+00
802 1021101000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.9000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E-03	.1000E+01 .9999E+00
803 1021101000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00
804 1021101000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.9000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
805 1021101000210102002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
806 1021101000210022222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
807 1021101000202222111	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.9999E+00		
808 1021101000202222110	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.9999E+00	.1000E-03		
809 1021101000202222102	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.0000E+00	.1000E-03	.1000E+01		
810 1021101000202222011	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
811 1021101000202222010	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.9990E+00	.5000E+00		
812 1021101000202222002	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E-02	.1000E+01		
813 1021100222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.9999E+00	.9999E+00	.1000E-11
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
814 1021022222222222222	.1000E+01	.9999E+00	.1000E+01	.9000E+00	.1000E-03	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
815 1020111122222222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.1000E-03	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
816 1020111012121211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		

17:37:44 1-Jul-81

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Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
817 1020111012121211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
818 1020111012121211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
819 1020111012121211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
820 1020111012121211010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
821 1020111012121211002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
822 1020111012121210222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
823 1020111012121202111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
824 1020111012121202110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .9999E+00	.1000E+01 .1000E+01
825 1020111012121202102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01
826 1020111012121202011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
827 1020111012121202010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .9999E+00	.1000E+01 .1000E+01
828 1020111012121202002	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
829 1020111012120111111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
830 1020111012120111110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
831 1020111012120111102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
832 1020111012120111011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
833 1020111012120111010	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
834 1020111012120111002	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .1000E-02	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
835 1020111012120110222	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .1000E-03	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
836 1020111012120102111	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
837 1020111012120102110	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.1000E-03 .1000E-03	.1000E+01 .9999E+00
838 1020111012120102102	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E-03	.1000E+01 .9999E+00
839 1020111012120102011	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00
840 1020111012120102010	.1000E+01 .9999E+00 .9000E+00	.9999E+00 .9000E+00 .1000E+01	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .1000E+00	.1000E-03 .1000E-03	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
841 1020111012120102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
842 1020111012120022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
843 1020111012022222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
844 1020111001211211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
845 1020111001211211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
846 1020111001211211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
847 1020111001211211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
848 1020111001211211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
849 1020111001211211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
850 1020111001211210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
851 1020111001211202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
852 1020111001211202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
853 1020111001211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
854 1020111001211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
855 1020111001211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
856 1020111001211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
857 1020111001210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
858 1020111001210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
859 1020111001210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
860 1020111001210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
861 1020111001210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
862 1020111001210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
863 1020111001210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
864 1020111001210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H C	B I P	C J Q	D K R	E L S	F M	G N
865	1020111001210102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
866	1020111001210102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
867	1020111001210102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
868	1020111001210102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
869	1020111001210102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
870	1020111001210022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
871	1020111001201211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
872	1020111001201211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
873	1020111001201211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
874	1020111001201211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
875	1020111001201211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
876	1020111001201211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
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	A H O	B I P	C J Q	D K R	E L S	F M	G N
877 1020111001201210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
878 1020111001201202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
879 1020111001201202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
880 1020111001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
881 1020111001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
882 1020111001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
883 1020111001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01
884 1020111001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
885 1020111001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
886 1020111001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
887 1020111001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
888 1020111001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
889	1020111001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
890	1020111001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
891	1020111001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
892	1020111001200102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
893	1020111001200102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
894	1020111001200102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
895	1020111001200102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
896	1020111001200102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
897	1020111001200022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03
898	1020111000211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .9000E+00	.1000E+01 .1000E+01
899	1020111000211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .9000E+00	.1000E+01 .1000E+01
900	1020111000211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .9000E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML3 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
901 1020111000211211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
902 1020111000211211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
903 1020111000211211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
904 1020111000211210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
905 1020111000211202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
906 1020111000211202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
907 1020111000211202102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
908 1020111000211202011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
909 1020111000211202010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
910 1020111000211202002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
911 1020111000210111111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
912 1020111000210111110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.1000E-03	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.1000E+00	.9999E+00
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC. 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

		A H O	B I P	C J Q	D K R	E L S	F M	G N
913	1020111000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
914	1020111000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
915	1020111000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
916	1020111000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
917	1020111000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
918	1020111000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
919	1020111000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.1000E-03 .1000E+00	.1000E+01 .9999E+00
920	1020111000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
921	1020111000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
922	1020111000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.1000E-03 .1000E+00	.1000E+01 .9999E+00
923	1020111000210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .9999E+00
924	1020111000210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.1000E-03 .1000E+00	.1000E+01 .1000E-03

17:37:44 1-Jul-81

Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
925 1020111000202222111	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
926 1020111000202222110	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.1000E-03 .1000E+01	.1000E+01 .1000E+01
927 1020111000202222102	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
928 1020111000202222011	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
929 1020111000202222010	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.1000E-03 .1000E+01	.1000E+01 .1000E+01
930 1020111000202222002	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.1000E-03 .1000E+01	.1000E+01 .1000E+01
931 1020110222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01	.1000E-11 .1000E+01
932 1020101122222222222	.1000E+01 .1000E-03 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
933 1020101012121211111	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01
934 1020101012121211110	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00	.1000E+01 .1000E+01
935 1020101012121211102	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .9999E+00	.1000E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00	.1000E+01 .1000E+01
936 1020101012121211011	.1000E+01 .9999E+00 .1000E+00	.9999E+00 .9000E+00 .9999E+00	.1000E+01 .1000E+01 .1000E-03	.1000E+00 .9999E+00 .9990E+00	.9999E+00 .1000E+01 .9000E+00	.9999E+00 .9999E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
937 102010101212121101 0	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.1000E+00		
938 102010101212121100 2	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
939 102010101212121022 2	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
940 102010101212120211 1	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
941 102010101212120211 0	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
942 102010101212120210 2	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
943 102010101212120201 1	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.9000E+00		
944 102010101212120201 0	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.1000E+00		
945 102010101212120200 2	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.9999E+00	.1000E+01
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
946 102010101212011111 1	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
947 102010101212011111 0	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
948 102010101212011110 2	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.9999E+00	.1000E-03	.1000E+01		

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
949 1020101012120111011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.9000E+00		
950 1020101012120111010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.9990E+00	.1000E+00		
951 1020101012120111002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
952 1020101012120110222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.1000E+00	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
953 1020101012120102111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
954 1020101012120102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
955 1020101012120102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
956 1020101012120102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.9000E+00		
957 1020101012120102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.9990E+00	.1000E+00		
958 1020101012120102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.9999E+00
	.9000E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
959 1020101012120022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.9999E+00	.1000E+01	.1000E-03	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
960 1020101012022222222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.9000E+00	.1000E+01	.1000E-03	.1000E+01	.1000E+01	.1000E+01
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		

17:37:44 1-Jul-81

Full Pathnam of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Trae Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS TMLB CONTAINMENT EVENT TREE REV 1 DEC 30
Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H C	B I P	C J Q	D K R	E L S	F M	G N
961 1020101001211211111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
962 1020101001211211110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
963 1020101001211211102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
964 1020101001211211011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
965 1020101001211211010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
966 1020101001211211002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
967 1020101001211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
968 1020101001211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
969 1020101001211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
970 1020101001211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
971 1020101001211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
972 1020101001211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
973 1020101001211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
974 1020101001210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
975 1020101001210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
976 1020101001210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
977 1020101001210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
978 1020101001210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
979 1020101001210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
980 1020101001210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
981 1020101001210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
982 1020101001210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
983 1020101001210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
984 1020101001210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
935	1020101001210102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
986	1020101001210102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.9999E+00
		.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
987	1020101001210022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.9999E+00	.1000E+00	.1000E-03
		.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
988	1020101001201211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
989	1020101001201211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
990	1020101001201211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
991	1020101001201211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
992	1020101001201211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
993	1020101001201211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		
994	1020101001201210222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.1000E-03	.1000E-03	.1000E+01	.1000E+01	.1000E+01		
995	1020101001201202111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.9999E+00		
996	1020101001201202110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
		.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.9000E+00	.1000E+01
		.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		

17:37:44 1-Jul-81

```
Full Pathname of File for Events and Probabilities is :UDD:PXWIT:DP.TMIP
Full Pathname of File for Tree Pathnames is :UDD:PXWIT:CTREE.A1
Full Pathname of File for Conditional Probabilities is :UDD:PXWIT:CP.TMIP
TM INPUT DEFAULT PROBABILITIES(e=1.0E-4) A,C,G ARE MOD
ABCDEFGHIJKLMNOPQRS  TML8 CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
997	1020101001201202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
998	1020101001201202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
999	1020101001201202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1000	1020101001201202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1001	1020101001200111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1002	1020101001200111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1003	1020101001200111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1004	1020101001200111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1005	1020101001200111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1006	1020101001200111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .9999E+00 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1007	1020101001200110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .9999E+00 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1008	1020101001200102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .9999E+00 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1009 1020101001200102110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.9999E+00	.1000E-03		
1010 1020101001200102102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.9999E+00	.1000E-03	.1000E+01		
1011 1020101001200102011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
1012 1020101001200102010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.9990E+00	.5000E+00		
1013 1020101001200102002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.9999E+00
	.9999E+00	.1000E+01	.1000E-03	.1000E-02	.1000E+01		
1014 1020101001200022222	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.9999E+00	.1000E+01	.1000E-03	.1000E+00	.1000E-03
	.1000E+01	.1000E+01	.1000E+01	.1000E+01	.1000E+01		
1015 1020101000211211111	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.9999E+00		
1016 1020101000211211110	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.9999E+00	.1000E-03		
1017 1020101000211211102	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.9999E+00	.1000E-03	.1000E+01		
1018 1020101000211211011	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
1019 1020101000211211010	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.9990E+00	.5000E+00		
1020 1020101000211211002	.1000E+01	.9999E+00	.1000E+01	.1000E+00	.9999E+00	.9999E+00	.1000E+01
	.9999E+00	.1000E+00	.1000E-03	.1000E+01	.9999E+00	.9000E+00	.1000E+01
	.1000E-03	.9999E+00	.1000E-03	.1000E-02	.1000E+01		

17:37:44 1-Jul-81

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ABCDEFGHIJKLMNOPQRS  TMLB CONTAINMENT EVENT TREE REV 1  DEC 30
Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

		A H O	B I P	C J Q	D K R	E L S	F M	G N
1021	1020101000211210222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1022	1020101000211202111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1023	1020101000211202110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1024	1020101000211202102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1025	1020101000211202011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1026	1020101000211202010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1027	1020101000211202002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .9000E+00	.1000E+01 .1000E+01
1028	1020101000210111111	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1029	1020101000210111110	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1030	1020101000210111102	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1031	1020101000210111011	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1032	1020101000210111010	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00

17:37:44 1-Jul-81

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Value used for epsilon is .1000E-03
Detailed Probability Matrix Output

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1033 1020101000210111002	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .9999E+00	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1034 1020101000210110222	.1000E+01 .9999E+00 .1000E-03	.9999E+00 .1000E+00 .1000E-03	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1035 1020101000210102111	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .9999E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1036 1020101000210102110	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .9999E+00 .1000E-03	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1037 1020101000210102102	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .9999E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1038 1020101000210102011	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1039 1020101000210102010	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .9999E+00 .5000E+00	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1040 1020101000210102002	.1000E+01 .9999E+00 .9999E+00	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E-03	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .9999E+00
1041 1020101000210022222	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .9999E+00 .1000E+01	.9999E+00 .1000E+00	.1000E+01 .1000E-03
1042 1020101000202222111	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .9999E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1043 1020101000202222110	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .9999E+00	.9999E+00 .1000E-03 .1000E-03	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1044 1020101000202222102	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .0000E+00	.1000E+00 .1000E+01 .1000E-03	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01

17:37:44 1-Jul-81

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Value used for epsilon is  .1000E-03
Detailed Probability Matrix Output
```

	A H O	B I P	C J Q	D K R	E L S	F M	G N
1045 1020101000202222011	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1046 1020101000202222010	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .9990E+00	.9999E+00 .1000E-03 .5000E+00	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1047 1020101000202222002	.1000E+01 .9999E+00 .1000E+01	.9999E+00 .1000E+00 .1000E+01	.1000E+01 .1000E-03 .1000E+01	.1000E+00 .1000E+01 .1000E-02	.9999E+00 .1000E-03 .1000E+01	.9999E+00 .1000E+01	.1000E+01 .1000E+01
1048 1020100222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.9999E+00 .1000E+01	.1000E-11 .1000E+01
1049 1020022222222222222	.1000E+01 .1000E+01 .1000E+01	.9999E+00 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+00 .1000E+01 .1000E+01	.1000E-03 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01
1050 0222222222222222222	.1000E-11 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01 .1000E+01	.1000E+01 .1000E+01	.1000E+01 .1000E+01

Indian Point Probabilistic Safety Study

Power Authority of the State of New York
Consolidated Edison Company of New York, Inc

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Indian Point Probabilistic Safety Study

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SECTION 3
DEGRADED CORE PHENOMENA

TABLE OF CONTENTS

Section			Page
3.0	OVERVIEW		3.0-1
	3.0.1	Introduction	3.0-1
	3.0.2	Core Degradation Progression	3.0-2
	3.0.3	Conclusions	3.0-6
3.1	IN-VESSEL PHENOMENA		3.1-1
	3.1.1	In-Vessel Cooling Under Accident Conditions	3.1-1
	3.1.1.1	Effect of Primary Heat Sink	3.1-1
	3.1.1.2	Effect of Limited Water Injection	3.1-4
	3.1.1.3	In-Vessel Coolability of a Damaged Core	3.1-5
	3.1.1.4	Heat Transport Cycle	3.1-14
	3.1.1.5	Summary	3.1-14
	3.1.2	Core Heatup	3.1-16
	3.1.3	Clad-Water Reaction	3.1-20
	3.1.3.1	Clad Reaction During Core Uncovery	3.1-20
	3.1.3.2	Reaction of Molten Clad with Water	3.1-20
	3.1.3.3	Summary	3.1-28
	3.1.4	Hydrogen Production from Upper Internals	3.1-30
	3.1.5	In-Vessel Steam Explosions	3.1-31
	3.1.5.1	Steam Explosions as Modeled in the Reactor Safety Study (WASH-1400)	3.1-31
	3.1.5.2	Relationship to Previous Reactor Experience	3.1-32
	3.1.5.3	PWR Structural Considerations	3.1-33
	3.1.5.4	Steam Explosion Phenomena	3.1-35
	3.1.5.5	Conclusions with Respect to In-Vessel Steam Explosions	3.1-45
	3.1.6	In-Vessel Steam Spike	3.1-47
	3.1.6.1	Free Contacting Mode	3.1-48
	3.1.6.2	Forced Injection Mode	3.1-54
	3.1.7	Vessel Failure Mechanism	3.1-58
	3.1.7.1	Vessel Failure Mode	3.1-58
	3.1.7.2	Thermal Attack of the Vessel Steel Structure by a Stream of Degraded Core Material	3.1-60
3.2	EX-VESSEL PHENOMENA		3.2-1
	3.2.1	Ex-Vessel Steam Explosions	3.2-5
	3.2.2	Initial Steam Production	3.2-7
	3.2.3	Continued Release of Core Debris	3.2-8
	3.2.4	Concrete Attack - Jet Effect	3.2-9
	3.2.5	Dynamic Configuration of Molten Core Debris	3.2-12
	3.2.6	Potential for Additional Steam Generation	3.2-16
	3.2.7	Steam/Hydrogen Blowdown from the Primary System	3.2-19
	3.2.8	Removal of Core Debris from Reactor Cavity Region	3.2-21

TABLE OF CONTENTS (continued)

Section			Page
	3.2.9	Vigorous Steaming from Core Debris on the Containment Floor	3.2-30
	3.2.10	Additional Ex-Vessel Hydrogen Generation	3.2-43
	3.2.11	Continued Steam/Hydrogen Release from the Vessel	3.2-45
	3.2.12	Material Disposition after Release from the Primary System	3.2-47
	3.2.13	Ex-Vessel Debris Bed Coolability	3.2-49
	3.2.14	Establishment of a Heat Transport Cycle	3.2-55
	3.2.15	Concrete Attack by a Bed of Overheated Core Debris	3.2-56
3.3	TECHNICAL SUMMARY		3.3-1
	REFERENCES		3-1
3.4	APPENDICES		
	3.4.1	Mixing Considerations	
	3.4.2	Literature Review of the Sandia Melt/Concrete Experiments	
	3.4.3	A Literature Review: The Characteristics of Zircaloy Oxidation	
	3.4.4	A Literature Review: The Characteristics of Stainless Steel Oxidation in Steam	
	3.4.5	Debris Bed Experiments	
	3.4.6	Predicted Failure Modes for a Typical 4-Loop Reactor Vessel in the Event of a Core Meltdown	

LIST OF TABLES

Tables		Page
3.1.1-1	In-Vessel Debris Beds Minimum Coolable Particle Size	3.1-71
3.1.1-2	Maximum Stable Sizes	3.1-72
3.1.1-3	Critical Heat Flux	3.1-73
3.1.3-1	Stainless Steel and Uranium Dioxide Fragmentation Reported in Reference 3.1.3-2	3.1-74
3.1.3-2	Predicted Melt Fragmentation	3.1-75
3.1.3-3	Predicted Hydrogen Generation	3.1-76
3.1.4-1	Inventory of Upper Plenum Structures	3.1-77
3.1.5-1	Comparison of WASH-1400 Model and Actual Behavior for PWRs	3.1-78
3.1.5-2	In-Vessel Steam Explosion Sequence - WASH-1400	3.1-79
3.1.5-3	Experiments Demonstrating a High Pressure Cutoff	3.1-80
3.1.5-4	Cutoff Pressure Predictions	3.1-81
3.1.5-5	Pool Boilup (Slug Dispersal)	3.1-82
3.1.5-6	Pool Boilup (Slug Dispersal)	3.1-83
3.1.5-7	Mixing Requirements	3.1-84

LIST OF FIGURES

Figures		Page
3.1.1-1	Effect of Limited Water Injection	3.1-85
3.1.1-2	Configuration for In-Vessel Cooling Evaluation	3.1-86
3.1.1-3	Minimum Wall Temperatures to Support Film Boiling	3.1-87
3.1.1-4	Maximum Pool Boiling Heat Flux as a Function of Pressure	3.1-88
3.1.1-5	Reflux Path	3.1-89
3.1.2-1	Large Break LOCA TMI-2 HEATUP Code	3.1-90
3.1.2-2	Small Break LOCA TMI-2 HEATUP Code	3.1-91
3.1.2-3	Transient TMI-2 HEATUP Code	3.1-92
3.1.3-1	ISPRA Vessel Geometries	3.1-93
3.1.3-2	Configuration for Quenching of Core Debris	3.1-94
3.1.5-1	Model Geometry Used in WASH-1400 Steam Explosion Analyses	3.1-95
3.1.5-2	Behavior Modeled in WASH-1400	3.1-96
3.1.5-3	Comparison of Predicted Pressure - Time Behavior from WASH-1400 (400 μm Particle Size) and Available Experimental Results for Steam Explosions	3.1-97
3.1.5-4	Reactor Vessel Internals	3.1-98
3.1.5-5	Core Barrel Assembly	3.1-99
3.1.5-6	Illustration of Pressure Effect in the Presence of Trigger	3.1-100
3.1.5-7	Illustration of Pressure Effect in the Absence of Trigger	3.1-101
3.1.6-1	Possible Blockage Configuration	3.1-102
3.1.6-2	Drainage Rate into the Lower Plenum	3.1-103
3.1.6-3	Comparison of CHF Limited Model and SS Data of Benz et. al.	3.1-104
3.1.6-4	Comparison of CHF Limited Model and UO_2 Data of Benz et. al.	3.1-105
3.1.6-5	Comparison of CHF Pressure Rise with that of TMI-2	3.1-106
3.1.6-6	Configuration for Considering Forced Injection, In-Vessel Steam Spikes	3.1-107
3.1.6-7	Indian Point RCS Response for Forced Injection Event	3.1-108
3.1.7-1	Instrumentation Nozzle-Vessel Weld	3.1-109
3.1.7-2	Schematic Diagram of Frozen Crust of Core Debris on Melting Steel Slab	3.1-110
3.1.7-3	Δ_T, Δ, θ_i Versus Time for β = 0.341	3.1-111
3.1.7-4	Effect of Time on Temperature Profile in Melting Steel Wall	3.1-112
3.1.7-5	Ejection of Core Debris from the Vessel Following Failure of an Instrumentation Nozzle	3.1-113
3.1.7-6	Crust Formation	3.1-114
3.1.7-7	Mass Discharged as a Function of Time for a Large LOCA	3.1-115
3.1.7-8	Mass Discharged as a Function of Time for a Small LOCA	3.1-116
3.1.7-9	Mass Discharged as a Function of Time for a Transient Case	3.1-117
3.2.4-1	Jet of Core Debris Impinging on Concrete	3.2-58
3.2.5-1	Indian Point Reactor Building	3.2-59

Figures		Page
3.2.5-2	Hydraulic Jump Configuration	3.2-60
3.2.5-3	Molten Core Debris Configuration at the End of the Liquid Discharge	3.2-61
3.2.6-1	Possible CHF Limited Quenching Mechanism During Material Discharge Stage	3.2-62
3.2.8-1	Dynamic Pool Configuration as a Result of Initial High Pressure Gas Discharge	3.2-63
3.2.8-2	Stagnation and Reversal of the High Velocity Gas Jet	3.2-64
3.2.8-3	Forces Acting on the Distorted Surface	3.2-65
3.2.8-4	Wave Growth and Material Velocity	3.2-66
3.2.8-5	Wave Development for a Transient Sequence with $\ell = 0.3$ m	3.2-67
3.2.8-6	Instrument Tunnel Configuration for Separation Calculations	3.2-68
3.2.9-1	Thermodynamic Path for Localized Steam Explosions	3.2-69
3.2.9-2	Radiation - Film Boiling Cooling Configuration	3.2-70
3.2.9-3	Boiling from Debris Bed and Water Displacement	3.2-71
3.2.9-4	Configuration Assumed for Water Expulsion Calculation	3.2-72
3.2.9-5	Model for Calculating Vessel Failure Transient with a Flooded Cavity	3.2-73
3.2.9-6	Prediction for Bubble and Cavity Pressures Immediately following Vessel Failure for a Case with the Cavity Flooded	3.2-74
3.2.9-7	Water Entrainment at the Mouth of the Instrument Tunnel	3.2-75
3.2.10-1	Schematic of Hydrogen Diffusion Limitation	3.2-76
3.2.11-1	Pressure Vessel Blowdown for Typical Transient and Small Break LOCA Conditions	3.2-77
3.2.12-1	Comparative Time Intervals for Small Break LOCA Scenarios	3.2-78
3.2.12-2	Comparative Time Intervals for Transient Scenarios	3.2-79
3.2.12-3	Comparative Time Intervals for Large Break LOCA Scenarios	3.2-80
3.2.13-1	Dryout Heat Flux Data for Water in Deep Beds	3.2-81
3.2.13-2	Taylor Instability Gas Release Mechanism	3.2-82

SECTION 3

DEGRADED CORE PHENOMENA

3.0 OVERVIEW

3.0.1 Introduction

This section of the report discusses the phenomenology of reactor core damage (sometimes called core degradation) and related containment effects. It begins with loss of coolant to the intact core and describes the progression of events that would follow. The phenomena related to both the in-vessel and ex-vessel portions of the various damaged core sequences are described in terms of the mechanisms involved. The limitations imposed on the processes by physical constraints of the plant and thermohydraulic processes, and the importance of timing in the progression of events is also considered in the analysis.

The following important aspects of core damage assessments are discussed in this section:

1. Coherency of the Core Melting Progression
2. Hydrogen Generation Rate and Amount
3. Core Debris/Water Interaction
4. Vessel Failure Dynamics
5. Hydrogen Combustion
6. Core Debris Bed Coolability
7. Core Debris/Concrete Interaction

For clarity, this section is organized as near as possible in chronological order, tracing the onset of core damage, in-vessel effects, vessel failure, and ex-vessel effects in proper sequence. Section 3.0 presents an overview of these processes and outlines the contents of the remaining subsections.

Phenomena are evaluated individually based on available data. Summaries of supplemental experiments and analyses supporting these evaluations and reviews of previous experimental work are in the attached appendices.

The results of these evaluations are compared with the postulated failure mechanisms assumed in the Reactor Safety Study (RSS) (Ref. 3.0.1-1). In some areas, the results of the present report were actually more conservative than the RSS. Many of the assumptions made in the RSS were not mechanistically feasible, and the processes involved could not physically achieve the conditions assumed in the RSS. In particular, many phenomena were found to be at variance with these formulated in the RSS (1) because of thermohydraulic and plant constraints, (2) because the sequence timing would prohibit the processes involved from progressing beyond some intermediate stage, or (3) because more recent work revealed new information on the topic.

The phenomena described in this section are the basis for the assumptions made and the analytical models used to analyze containment response (Section 4), and to develop the probabilities used to evaluate the containment event tree (Section 2).

3.0.2 Core Degradation Progression

As discussed in Section 1.0, many of the defined event sequences could lead to overheating of the zircaloy cladding and uranium dioxide fuel. This overheating could result in oxidation of the cladding material and eventual loss of the geometric integrity of the core. These processes in general have been termed "core degradation" and in the extreme cases would result in a meltdown of the core material. Analyses show that these specific accident sequences have been found to have a small probability of occurrence (see Section 1). Because of the potential consequences to public health and safety, however, an evaluation of the core degradation progression and the resulting effects on the containment is necessary to determine the probability of a significant release of radioactive materials. This determination requires the assessment of many interrelated phenomena including steel and zircaloy oxidation, in-vessel steam explosions, steam spikes, in-vessel debris cooling, potential vessel failure mechanisms, release of core material to the containment, containment pressurization from steam generation and a possible hydrogen burn, and the ultimate coolability of the degraded core material. The methods used to analyze these various phenomena (specifically and in an integrated manner) are described in this section.

In general, the conditions leading to overheating of the core materials would result from a loss of primary coolant water. Such a loss could result from either a break in the primary system (small, medium, and large breaks were considered in this study) or a loss of the heat sink(s) for the primary system. These various sequences would result in different pressures and temperatures within the primary system which would affect the various phenomena, i.e. in-vessel steam explosions, in-vessel debris bed cooling, material release, etc. As discussed in Section 2, the evaluation of the inherent behavior of the integrated phenomenology allowed the simplification of the containment event trees to envelope (1) a large break LOCA, (2) a small break LOCA, and (3) transient conditions.

There are radial and axial power gradients in the core and substantial heat sinks on the core boundaries, principally in the radial water shields and downcomer annulus. As a result of these effects, the heatup rate of the core is nonuniform and would result in a slower degradation rate at the radial boundary than in the central region. This three-dimensional characteristic of the accident progression causes the onset of melting in the core center to occur well before that in the outer zones, and the resultant deformation, as well as the freezing and remelting of the core material, would generally progress in a nonuniform manner.

These multidimensional effects were analyzed for a typical PWR design and for several hypothetical accident initiators. The calculational results are outlined in Section 3.1.

The core degradation process begins with the oxidation of the zircaloy cladding in a steam environment after substantial overheating. As long as the cladding and its oxide remain in a solid state, the oxidation is limited by the combined effects of the parabolic rate law for oxidation of the cladding and the availability of steam (specifically oxygen) at the cladding surface. As the calculated behavior progresses to a loss of intact geometry and material melting, the oxidation process would progress at a decreasing rate due to the reduction in available surface area as the core deforms, until the molten material is transported to the lower plenum where additional water is available. The assumption that the oxidation mechanism progresses to completion does not truly reflect a mechanistic evaluation of the competitive processes of additional oxidation and quenching of the overheated material by the water. The integrated analysis of these phenomena are discussed in terms of the applicable physical mechanisms and are then applied to the reactor accident configuration.

As the degradation progresses to the stage where substantial quantities can be transported to the lower plenum, the thermal interactions between the core debris and water in the lower plenum must be considered. There are two such interactions considered: (1) a steam explosion and (2) a rapid, but nonexplosive vaporization which has been termed a "steam spike". The first was identified as a possible containment failure mechanism in the RSS and the second is addressed because of the potential for providing elevated pressures in the primary system in considering the transient accident scenarios. This latter hypothetical event can be quantified in light of the limiting mechanisms and the mode of interaction. The resulting pressurization in the primary system can then be compared to the available heat sinks and the relief capacity of the pressurizer safety valves. If this evaluation results in a transient pressure history which exceeds the set pressure of the safety valves and the steam generation rate exceeds the relief capacity, the resulting primary system pressure must be compared to the ultimate strength of the steam generator tubes since the failure of these tubes would represent a containment by-pass failure mode.

In-vessel steam explosions, as modeled in the RSS, were calculated to be sufficiently energetic, under certain postulated conditions, to provide a containment failure mechanism. This mechanism was specific in that the thermal interaction itself did not fail the reactor vessel, but the impact of a conceptual slug, driven by the steam explosion, impacted on the reactor vessel head, fractured the bolts, and propelled the head with sufficient energy to fail the containment wall on impact. The treatment of such thermal interactions must first analyze the postulated mechanism in the RSS in light of the available information on dependent processes such as rate of melt progression, rate of mixing, and the rate at which vapor must be transported through overlying liquids to

prevent dispersive pressurization. Then the likelihood of such a progression of events must be assessed. In addition, the sequence specific primary system conditions must be incorporated into an evaluation of such events, again in light of the available analytical and experimental information.

Given a specified event sequence where water cannot be added to the primary system, the continued energy generation would ensure that the steel vessel wall and the associated penetrations would be thermally attacked. For these postulated conditions, an assessment of the vessel failure mode is necessary since it has a direct bearing on the subsequent phenomena in the containment building. In this evaluation, one must not only formulate the failure mechanism, but also consider the effect of material discharge from the vessel. Such evaluations will identify the rate at which the degraded core material is released to the containment as well as the location of this release. Both of these considerations are necessary to provide an assessment of the containment effects resulting from ex-vessel steam explosions, direct concrete attack, the quenching rate of the core material in this ex-vessel configuration, and the permanent coolability of the debris. In addition, the considerations of vessel failure are a necessary input for determining the rate at which additional hydrogen, which could have been accumulated within the primary system, could be released to the containment atmosphere. The hydrodynamic forces caused by the interaction of the hydrogen/steam mixture must be considered in evaluating the potential for additional hydrogen generation caused by further oxidation of unreacted zircaloy and steel.

Release of hydrogen into the containment atmosphere could result in a set of conditions under which combustion of the hydrogen could occur. The pressures and temperatures resulting from this combustion and the subsequent containment loadings were a major concern of the accident at TMI-2. An assessment of the hydrogen combustion involves:

1) The hydrogen and steam concentrations,
2) The availability of an ignition source,
3) The rate of burning,
4) The environmental temperature and pressure.

In addition, the evaluation of the containment pressures resulting from such combustion must include:

1) The containment pressure at burning initiation,
2) The structural heat sinks in the containment building,
3) The availability of containment fan coolers,
4) The availability and the actuation of the containment sprays,
5) The potential for other water entrained in the containment atmosphere,
6) Other mechanisms which may affect the environment such as primary system blowdown.

Here again, an assessment must be provided using the experimental information on hydrogen combustion in conjunction with the introduction

rates of steam and hydrogen into the containment atmosphere. The integrated system behavior is analyzed by a containment code, which is discussed in Section 4.1.2.

For defined accident sequences which result in material release from the primary system, another question to be addressed is the permanent coolabilty of the core debris in the ex-vessel configuration. This essential facet of the accident analysis requires a knowledge of the debris distribution and water availability within the containment, both of which are dependent upon the specific event sequence. In addition, the size of the material debris must be characterized, in conjunction with its distribution, to ascertain the energy transfer limitations in the ex-vessel state. Ex-vessel events such as steam explosions, rapid quenching, hydrodynamic forces resulting from a high pressure vessel failure, and concrete attack can all affect both the size of the resulting fragments and the detailed distribution. Consequently, when considering the ultimate cooling of the debris for such postulated accidents, both aspects play a significant role in the assessment, and thus should not be considered separately. For example, an ex-vessel steam explosion has been identified as a potential fragmentation process, but it also represents a strong dispersal mechanism which would distribute the involved material over a large area. Thus, it would be unrealistic to assign a fine fragmentation to the material resulting from a steam explosion and still consider the material to remain in the same locale. Also, as will be discussed, the fragmentation mechanisms identified in the pertinent literature generally require direct contact of water with the core material when it is still molten, which is highly unlikely for the oxide-water system.

With an assessment of the fragmentation level, the cooling of the respective debris accumulations within the containment can be performed. Depending upon the event sequence in question and the associated ex-vessel effects, the particular debris accumulations may be in the reactor cavity, the floor of the containment, and within the primary system itself. These have been analyzed, in light of previously published and more recent experimental data to determine the coolability characteristics for the specific accident configurations.

For long-term cooling assessments, as opposed to the coolability of the debris accumulations, an ultimate heat sink is required to extract the energy from the containment environment. Available heat sink(s) could be the fan coolers, the containment spray, either high pressure or low pressure injection, and for some accident sequences, the primary system steam generators. If none of the heat sinks are available, containment failure is likely, but the time and nature of the failure would depend upon the accident sequence under consideration.

In those cases where only limited water is available (which have substantially lower probability than other sequences which result in core melting), the assessment of containment effects must include the likelihood and extent of thermal attack of the concrete by the core debris released from the reactor vessel. Such an assessment must consider the

availability of a continuous heat transport path, for instance, a vaporization-condensation cycle, in which the decay power can be continuously extracted from the debris. If such a path is not available, then the core will eventually attack the concrete and decomposition of the concrete will ensue (Appendix 3.4.2). Such effects are considered in the assessment of ultimate containment failure modes and their associated probabilities of occurrence.

3.0.3 Conclusions

A series of extremely important conclusions are reached regarding these phenomena. It is important to note that these conclusions should not be taken out of the context of the situations discussed in this report since many of them are very much dependent upon specific event progression paths and may not apply generally. Having so stated, the following list of conclusions is provided to highlight the contents of this section of the report. The conclusions are appropriately qualified and reference is made to the applicable subsection from which they are taken:

1. Given the design of these units, including hot leg injection capability, the potential exists, for the event sequences, to terminate the progression of core degradation short of core material release from the reactor pressure vessel (Section 3.1.1).

2. The most likely path for a core melt progression proceeding to "completion," is a noncoherent melt initially involving approximately 50 percent or less of the core material (Section 3.1.2).

3. A relatively insignificant amount of hydrogen is expected to form as a result of steam oxidation of the upper internals (Section 3.1.4).

4. In-vessel steam explosions do not provide any threat to the integrity of the reactor vessel, steam generators, or containment building (Section 3.1.5).

5. In-vessel steam spikes do not pose any threat to the primary system components (Section 3.1.6).

6. For sequences resulting in core melt conditions, reactor vessel failure would most likely occur via a mechanism not previously considered for PWRs. The most likely failure occurs initially at the partial penetration welds for the bottom mounted incore guide tubes and results in a rapid expansion of the diametral dimensions of the failure point due to ablation. This is particularly dynamic if the primary system retains residual pressure at the time of vessel failure (Section 3.1.7).

7. Given conclusion 6 for pressurized primary system cases and the configuration of these units, the debris bed material will most probably be ejected from the vessel, and subsequently from the cavity area, by the high pressure steam/hydrogen mixture exiting from the vessel (Sections 3.2.5 and 3.2.6).

8. Given heat removal paths in the containment, it is highly probable that a permanently coolable debris bed configuration would result based on available water and the configuration of the containment (Section 3.2.10).

These conclusions are considered to be highlights only and do not represent all of the important information derived in this section. It is important to place these and other conclusions in their proper context.

3.1 IN-VESSEL PHENOMENA

3.1.1 In-Vessel Cooling Under Accident Conditions

Assessments of degraded core accidents, their progression, regression and termination begin with the understanding of how such degraded core states are initiated. For the types of sequences under investigation in this study, these degraded core conditions are the result of a loss of coolant from the primary system, which has been postulated to occur either by 1) a large break in the primary system, 2) a small break, or 3) a loss of heat sink(s) which promotes an overpressurization in the primary system and a subsequent loss of fluid through the safety valves. Consequently, if water can be resupplied to the reactor core, even in an overheated, degraded state, the reactor core is potentially coolable. This is how the TMI-2 accident was eventually terminated. The evaluation of such in-vessel core coolability should be a part of any reactor system assessment for these postulated events. The degraded core evaluation must consider the available supplies of water to the core, which are not only accident specific, but also design specific.

3.1.1.1 Effect of Primary Heat Sink

In assessing the probability of various sequences leading to core damage, several sequences have been identified as potential meltdown sequences which, given the specific parameters involved, may not result in core degradation at all. For example, in the probabilistic risk assessment, large and small break LOCA sequences with high pressure injection, but loss of recirculating capabilities late in time, have been identified as potential meltdown sequences. In such accidents, the steam generators are still capable of removing energy either from the normal feedwater flow or from the auxiliary feedwater supply.

For example, consider a small break in the primary system defined to be a 2 inch diameter hole. For the sake of the calculational example, it will be assumed that this break is at an elevated point in the primary system, with sufficient steam separation, such that it is venting steam. The flow rate (W) out of the system can be specified as a function of the primary system pressure (P_0):

$$W = A \left[\gamma P_0 \rho_0 \eta \frac{\gamma + 1}{\gamma} \right]^{1/2}$$

In this equation, A is the area of the break, η is the ratio of the pressure at the break to the primary system pressure, ρ_0 is the saturated steam density at the primary system pressure, and γ is the isentropic expansion coefficient. In addition, assume that the auxiliary feedwater is supplied to the steam generators at a rate of 48.5 kilograms per second (800 gals. per minute), which, as described in Ref. 3.1.1-1, represents either two motor driven or one steam driven

auxiliary feedwater pumps. This is in keeping with the defined accident sequence in which emergency injection is available, but the recirculation is lost.

In this postulated accident, since the injection is initially available, the time to core uncovery and core degradation is quite long, a typical time considered being approximately 7 hours before the initiation of core uncovery. Consequently, the decay power at this time is approximately 0.8 percent, which results in a total core power of approximately 24 Mw. This is the heat removal capability required by the primary system to prevent core degradation.

Prior to the accident, the system enthalpy (in its elevated pressure and temperature state) can be approximated by assuming the total primary system volume, 340 m^3 (12,000 cu. ft.), is at a pressure of 15.5 MPa (2250 psia) and at an average temperature of 300°C (572°F). This corresponds to an energy content of the primary system of 224,000 MJ above saturated liquid at one atmosphere. To depressurize the primary system, by heat removal through the steam generators or by injection of cold water, the enthalpy must be reduced at least to that of saturated liquid at the containment pressure. In this state, the primary system would be depressurized to the containment ambient pressure and further loss of material from the primary system as a result of a pressure differential would not occur.

If it is assumed that the auxiliary feedwater is being supplied to the steam generators at a temperature of 20°C and is being totally vaporized in the steam generators at a pressure of 1 atm, the energy extraction rate in these units would be 126 Mw. Since the core is producing 24 Mw, the net extraction rate from the primary coolant would be 102 Mw, which would require 2200 seconds to extract sufficient thermal energy from the primary system to depressurize it so that further material loss would not occur. During this time, the amount of material lost from the primary system would be approximately 43,000 kilograms (11,800 gals.) corresponding to 13 percent of the primary system, which would not result in core uncovery. Once the system is totally depressurized, and assuming that energy extraction is still available in the steam generators, a reflux mode heat removal could be established in the primary system between the core and the elevated steam generators. Such a reflux mode, if required, would be limited within the core by a flooding mechanism where the flooding velocity (U_v) is given by the Kutateladze expression:

$$U_v = \frac{3.0 \left(g\sigma \left(\rho_f - \rho_g\right)\right)^{1/4}}{\left(\rho_g\right)^{1/2}}$$

which represents the superficial steam velocity within the core. In addition to the flooding velocity, the other parameters in the equation are the liquid vapor surface tension (σ), the acceleration of gravity (g) and the densities of saturated steam (ρ_g) and water (ρ_f). Given the cross-sectional area of the core of approximately 12 m^2, at a pressure of 1 atm, such a velocity (~ 19 m/sec) would correspond to a heat removal capacity of 305 Mw at atmospheric pressure. This far exceeds the 24 Mw level being generated at this point in time and thus, there would not be a limitation to heat removal within the reactor core, even at 1 atmosphere. The steam formed would then travel vertically upward through the hot legs of the primary system into the elevated steam generators. With all four steam generators active, the superficial steam velocity in the hot legs would be 6.7 m/sec which does not provide a limitation in an annular flow configuration. (If insufficient liquid was lost to allow annular flow, the liquid "holdup" would start natural circulation.) Since the auxiliary feedwater would still be available, condensation would occur in the lower portions of the steam generator with the water draining back down into the hot legs (annular flow) and thus back into the core. As long as additional material is not lost from the primary system, which would certainly be the case when it has been depressurized to the containment pressure, permanent coolability of the core would be established without any degradation. Once annular flow was established, there would be no further losses from the primary system.

These calculations can also be carried out assuming that the discharge from the primary system is through a 2 in. diameter hole with the discharge being assumed to be saturated liquid at all times. This would correspond to a loss of inventory amounting to about 167,000 kilograms as compared to the all-steam flow discussed above. Here again, the system can be depressurized to atmospheric conditions with sufficient inventory remaining in the primary system to cover the reactor core and assure the availability of a reflux cooling mechanism between the core and the elevated steam generators.

It should also be noted that in this assessment, the average enthalpy in the primary system was based upon the average temperature typical of normal operation. For those defined accident sequences in which injection capability is available over the first few hours, the temperature within the primary system as a result of the coolant injection and energy extraction from the steam generators would have reduced this energy inventory considerably. Consequently, depressurization as a result of energy extraction from the primary system would occur even faster than has been used for these illustrative examples. Therefore, even less inventory would be lost from the primary system than was evaluated above. However, the key point of these analyses is that those sequences in which injection capabilty is retained, but in which the recirculation of the injection water from the containment sump is lost, may indeed not lead to degraded core conditions although they have been identified as core melt sequences. This is particularly important since these sequences represent the more probable sequences considered in the probabilistic evaluation.

Given the above information, it is clear that the assessment of the onset of degraded core conditions, which is a necessary input for establishing any total risk involved with a specific reactor and containment design, requires an extensive amount of detail on the actual use of the available systems. In prior analyses, those sequences in which recirculation capability was lost have been identified as core melt sequences. In order to remain consistent with these prior studies, such sequences have been listed as potential core melt sequences and thus they influence the total risk evaluated for a given plant. However, it must be clearly understood that these may indeed not be sequences which lead to degraded core conditions and that they are only contained in the analysis to provide a consistent and referenceable set of evaluations with prior studies.

3.1.1.2 Effect of Limited Water Injection

In addition to the role of the primary heat sink in potentially establishing a stable coolable state without core damage for some of the accident sequences considered, a detailed assessment of the accident progression must also consider the available water supplies which may be insufficient to prevent some degradation, but may be sufficient to limit the extent of the damage for some accident sequences. One such source of water is the 4.5 kg/sec (75 gpm) which is supplied to the reactor coolant pump seals and the reactor coolant system by the charging pumps during normal operation. If this injection continues during specific accident sequences, it can have a considerable effect on the progression of the core damage.

This can be illustrated by considering the reactor core as a single node as shown in Figure 3.1.1-1 with the incoming coolant flow being that given above and assuming the outlet steam flow is at the average core temperature. If a general sequence is considered where the boil off occurs after one hour, the average decay power over the next few hours can be assumed constant at a value of 25 Mw for this type of plant. For a single node configuration with incoming flow, the transient energy expression can be written as

$$m_c c_c \frac{dT_c}{dt} = \dot{Q} - \dot{m}_\nu \left(h_{ss} - h_\nu \right)$$

where m_c, c_c, and T_c represent the mass, specific heat, and temperature of the core material, $\dot{Q}$ is the decay power, $\dot{m}_\nu$ is the incoming liquid flow, h_{ss} is the enthalpy of the outgoing superheated steam, and h_ν is the enthalpy of incoming subcooled liquid. If these transient calculations are carried out until the heatup is terminated, the temperature transient is as shown in Figure 3.1.1-1.

While this illustrative calculational example is quite simple in its concept and does not include other important effects such as cladding oxidation and its associated energy release, multi-dimensional flow and temperature distributions, and decay heat generation, it clearly illustrates the dramatic effect that such a limited flow can have on the accident progression. In this example, while the temperatures exceed the level where zircaloy oxidation would occcur, the maximum temperature is below the level where the zircaloy, its oxide, and the fuel material would melt. But, more importantly, this simplistic example illustrates the major effect that such injection flows, which exist under normal operation, could have on decreasing the rate of core damage progression for those accident scenarios identified in Section 1 as potentially leading to degraded core conditions. It is also recognized that such flows can have an important influence on the hydrogen generated within the core during the degradation process.

3.1.1.3 In-Vessel Coolability of a Damaged Core

For the accident initiators considered in this study, core degradation occurs in a slowly evolving manner and, depending upon the specific conditions, can require anywhere from 30 min. to several hours before substantial fractions of the core have achieved a molten condition. Essentially, the core degradation occurs in the absence of strong hydrodynamic forces, and so with the loss of intact geometry, the core debris would be expected to begin accumulating towards the lower portion of the core boundary. Given this state, the debris could perhaps begin to fill the coolant channel spaces and increase the flow resistance of water being supplied to the core from the cold legs. Such blockages could be conceived to be extensive and an evaluation of core coolability under postulated accident conditions must include some quantification of a blockage which could limit the delivery of water to the core via the normal, vertically upward, flow path.

Depending upon the accident sequence being considered, the operator may have several means of introducing water into the core, including cold leg injection, hot leg injection, and accumulator discharge. Of these various potential actions, the cold leg injection naturally receives the greatest attention because it is the first line-of-defense against core degradation for both the automatic control system and the operator(s). In various sequences analyzed, the actuation may be defined to be impaired for a time interval sufficient to result in core damage, but could become available at a later time. The question to be addressed is would this subsequent actuation be effective in terminating the damage and establishing a coolable state.

The first consideration is, could sufficient water be supplied to the core to remove the decay power. This can be determined by a simple heat balance:

$$\dot{m}_\ell = \dot{Q} / \left[c_\ell (T_{sat} - T_i) + h_{fg} + c_{pg} (T_o - T_{sat}) \right]$$

where the first term in the denominator is the sensible heat in the water, the second is the latent heat of vaporization, and the third is the sensible heat increase in the steam. For this evaluation, both the first and last terms will be ignored in the interest of simplicity even though these may represent sizable quantities of energy removal and can reduce the required water flow. So the required mass flow (m_ℓ) is given by

$$\dot{m}_\ell = \dot{Q}/h_{fg}$$

In order to deliver this flow rate to the core, a driving force (ΔP) is necessary; this is assumed to be the downcomer annulus filled with water:

$$\Delta P = \rho_\ell g h$$

where h is the height of the water in the annulus (herein assumed as 4 m) and ρ_ℓ is the density of the water at the local temperature. This driving force is opposed by the weight (static head) of liquid within the core (ΔP_1), the pressure drop through the core (ΔP_2), and the resistance at the blockage (ΔP_3) (there are other terms such as acceleration, but these are second order effects). Therefore, we may write the following equality:

$$\Delta P = \Delta P_1 + \Delta P_2 + \Delta P_3$$

Since the liquid is assumed to enter the core as saturated liquid and leave as saturated vapor, and if the additional assumption of uniform heat generation is made, the quality (x) will vary linearly with height (y):

$$x = y/h_c$$

Therefore, if a homogeneous steam/water mixture is assumed, the density at any height can be expressed as

$$\rho = \frac{1}{v} = \frac{1}{v_f + x v_{fg}} \sim \frac{\rho_f}{1 + y/h_c(\rho_f/\rho_g)}$$

With this function the static head term over the core height (h_c) can be expressed as:

$$\Delta P_1 = g\rho_f \int_0^{h_c} \frac{dy}{1 + y/h_c(\rho_f/\rho_g)} = g\rho_f \left[\frac{h_c \rho_g}{\rho_f}\right] \ln (1 + \rho_f/\rho_g)$$

Frictional flow resistance within the core is a complex phenomenon for this two-phase flow in which the superficial vapor velocity is increasing linearly with height. Instead of attempting to describe the entire process, the frictional pressure drop is estimated by assuming the maximum superficial vapor velocity (J_g) is passing through the entire core height, then the core pressure drop can be expressed as (Ref. 3.1.1-2)

$$\Delta P_2 = 2c_f \frac{\rho_g J_g^2}{d} \frac{(1 - \varepsilon)}{\eta^3} h$$

In this formulation, the degraded core is assumed to be fragmented to a uniform particle size (d) with a uniform porosity (ε). The frictional coefficient (c_f) can be represented by

$$c_f = \frac{90}{N_{Re}} = \frac{90\ \mu_g}{\rho_g J_g d}$$

where μ_g is the steam absolute viscosity. This results in an expression for the pressure drop of

$$\Delta P_2 = \frac{180\ \mu_g\ J_g\ (1 - \varepsilon)\ h}{d^2 \varepsilon^3}$$

If this flow resistance is added to the homogeneous static head term and equated to the height of water in the downcomer annulus, the effect of material breakup in the degradation process can be estimated. For example, consider a primary system pressure of 7 MPa with the water in the downcomer annulus being saturated and the fluid condition leaving the core as saturated steam. With a decay power of 25 Mw, if the core material is assumed to be in a particulate form, 1 cm in diameter and a porosity of 0.4, the required head of water in the downcomer annulus is only 0.605 m. If the particle size is assumed to be 0.5 mm in diameter, the required head would be 0.611 m. While these are only estimates of

the required driving force, they illustrate that particulation of the core itself, as a result of the degradation process, does not provide a major limitation to establishing coolability when water is added to the system. In fact, since the static head within the core is the major portion of the in-core pressure drop for these small mass flow rates, if the inlet to the core is open, the addition of sufficient water to cool the core will automatically establish the necessary water height in the downcomer annulus. Thus, in-vessel coolability would be established with the addition of water.

In these evaluations of postulated sequences, the potential for blockages other than the particulation of core materials must be considered. One such conceivable process could be a blockage at the core inlet, like the configuration illustrated in Figure 3.1.1-2.

If a blockage is formed at the core inlet, the material involved would generally be the core constituent with the lowest melting point, since this would generally be the first material to achieve melting and flow downward under gravity to the colder regions where it could resolidify. For these designs, this material would be the silver/indium/cadmium control rod material which has a melting point of about 816°C (1500°F), i.e. close to that of silver. Consequently, to consider the potential depth of the blockage, it will be assumed that all such material is transported to the bottom of the core.

For the system under consideration, water can also be injected into the hot legs of the primary system, which is important in that water can be supplied to the top of the core even in the presence of a total inlet blockage. This is a particularly attractive feature since it provides a mechanism whereby the core can potentially be cooled via a counterflow mechanism of downward flowing liquid in the presence of upward flowing steam, even with a complete inlet blockage. This type of debris bed cooling has been investigated extensively for Liquid Metal Fast Breeder Reactor systems, in which case the configurations studied fall in the range of "shallow beds" (depths from 10 to 15 centimeters), whereas in this case, the debris beds would be considered "deep beds" with a depth of a meter or more. It should also be noted here that since the specific power produced in LMFBRs is as much as 5 times that produced in Light Water Reactors, the decay power at any point in time after shutdown is correspondingly less for light water reactors.

Several mechanisms have been proposed for the limit of coolability under this counterflow condition. The model proposed by Hardee and Nilson (Ref. 3.1.1-3) models an annular flow configuration in which the liquid is traveling downward through one region and the vapor is moving upward through a separate zone. Dhir and Catton (Ref. 3.1.1-4) have proposed an approach wherein the coolability limit is determined by the ability to supply water to the bottom of the bed. Lipinski (Ref. 3.1.1-5 and 3.1.1-6) developed an approach which assumes that liquid is flowing over the surface of each particle as a thin film, which can be treated either as laminar or turbulent, and the vapor is flowing upward over the surface of this film, also between the particles. In earlier unpublished work (Ref. 3.1.1-7), a simplified model was developed to illustrate the sensitivities of various debris bed parameters to the issue of permanent

coolability under consideration for these reactor systems. This model was developed from the basic assumption that the limiting condition for supplying water to the pool occurs when the frictional pressure drop produced by upward flowing steam over dry particles produces a pressure gradient equal to that of the static liquid head, which is the driving force for water draining into the debris bed. Mathematically this can be expressed as

$$-\frac{dP}{dz} = 2C_F \frac{\rho_g J_g^2}{d} \frac{1-\varepsilon}{\varepsilon^3} < \rho_f g$$

where J_g is the superficial vapor velocity, ρ_g is the vapor density, ε is the debris porosity, d is the particle diameter, ρ_f is the saturated liquid density, C_F is the effective drag coefficient for the bed, and g is the acceleration of gravity. The drag coefficient can be specified as

$$C_F = \frac{75}{N_{Re}} + 0.875$$

where N_{Re} is the Reynolds number given by

$$N_{Re} = \frac{J_g d}{\nu_g (1-\varepsilon)}$$

where ν_g is the kinematic viscosity of the steam. This model results in an expression for the limiting heat flux that is very similar to that proposed by Hardee and Nilson. This and other models are compared to the deep bed experimental data obtained in this study and discussed in Appendix 3.4.5.

This simplistic formulation is not meant as a complete description of particle bed cooling, but rather as an order of magnitude representation of the major sensitivities associated with debris cooling. In comparing the various models, this approach includes the same key sensitivities, and in the region of millimeter size particles, which is the lower end of the particle spectrum for these accident scenarios, the predictions of this model are within a factor of 2 of the other proposed models. Consequently, this formulation is an adequate characterization of the central physical processes involved in cooling debris via a counterflow mechanism.

The major sensitivities in the expression for the maximum heat removal capabilities are the particle diameters and the bed porosity. These are determined by the progression of the accident, and in this evaluation will be considered in general terms. If we assume that the decay power retained in the melt at any point in time is approximately 2/3 of the

total decay power at that time*, the minimum size fuel particles which represent a coolable configuration within the core barrel can be calculated if a bed porosity is assumed. Such calculations are shown for different pressure levels corresponding to the general accident categories considered and are listed in Table 3.1.1-1. The results are very revealing in that they show substantial fragmentation (fine particulation) is required to preclude debris coolabilty, and leads one to an evaluation of the pertinent fragmentation mechanisms which could be of concern in various accident sequences.

Fragmentation models have been proposed in the literature and, in general, these have been related to explosive interactions between fuel and coolant. Mechanisms have been proposed, based upon

1.	Large hydrodynamic forces	See Ref. 3.1.1-8
2.	Cavitation within the particle central region	See Ref. 3.1.1-9
3.	Violent boiling	See Ref. 3.1.1-10
4.	Thermal stress fragmentation induced by rapid freezing of fuel particle outer shell	See Ref. 3.1.1-11
5.	Jet penetration resulting from steam bubble collapse	See Ref. 3.1.1-12
6.	Rapid gas release	See Ref. 3.1.1-13

As discussed above, the progression to core melt conditions for the accident sequences under consideration occur in a static environment in which water is not present. In addition, as will be discussed in subsequent sections, for the cases of a small break in the primary system or the loss of heat sink accident, the degraded state is produced at an elevated system pressure. As will be discussed, such an environment does not provide the required conditions for an in-vessel steam explosion, and thus does not provide for the presence of a strong pressure wave and/or high velocity flow. Also, at elevated pressures the boiling phenomena itself is very benign, so that fragmentation mechanisms represented by violent boiling and jet penetration which couples the growth and rapid collapse of vapor bubbles is not a viable mechanism. In fact, the only mechanism for potential fragmentation of the molten material (it should be noted that much of the material may still be in solid form) is one of thermal stress induced fragmentation.

* This one-third reduction in the power level accounts for the noble gases and more volatile fission products which would be liberated from the fuel if molten conditions were achieved.

A mechanism based on this thermal stress, which has principally been developed for understanding experimental data related to LMFBR analyses for hypothetical accident scenarios, requires intimate contact between the molten core material and the water in order to develop the large heat fluxes available in nucleate boiling. In order to establish this intimate contact, the temperature of the degraded core material must fall below the minimum temperature required to sustain film boiling in the presence of water. Several analytical predictions and correlations have been proposed for this transition temperature between the film and transition boiling regime. Figure 3.1.1-3 illustrates the minimum film boiling predictions proposed by Berenson (Ref. 3.1.1-14) and Spiegler, et.al. (Ref. 3.1.1-15) as a function of pressure. For comparison, the saturation curve and the thermodynamic critical temperature are also shown on the illustration. The minimum film boiling correlation proposed by Henry (Ref. 3.1.1-16), which uses the Berenson model to characterize an isothermal surface, predicts temperatures even greater than the Berenson model. Most of these models are reasonable predictions for a pressure of 0.1 MPa, the respective predictions being quite close to each other. However, extensive experimental evidence at elevated pressure, reported by Yao and Henry (Ref. 3.1.1-17) has shown that the transition temperature between the film and transition boiling regimes is close to the homogeneous nucleation temperature, i.e. when the contact interface temperature falls below the homogeneous nucleation temperature, transition or nucleate boiling can occur.

This, and other experimental evidence (Refs. 3.1.1-18 and 3.1.1-19), demonstrates that the minimum film boiling temperature is influenced by the thermal properties of the surface material, oxides having higher transition temperatures than metals because of their low thermal conductivities. However, the melting point of the core materials is far above the thermodynamic critical temperature of the water. Therefore, the transition temperature lies well below the melting points of both the uranium dioxide fuel (~ 2850°C) and the zirconium dioxide (~ 2700°C) resulting from oxidation of the zircaloy cladding. Consequently, when the intimate contact occurs between the water and core material, the latter will have been in a solid state for a considerable time interval. The thermal stress induced fragmentation mechanism requires a thin frozen layer formed upon initial contact between the two, which is then ruptured by the corresponding pressure differential imposed across this frozen film as it attempts to shrink around the still molten particle. Since the particle surface will have been solidified for a considerable interval, the thickness of the crust will be much thicker than that typically calculated in LMFBR analyses, and since the temperature upon rewet is much lower, the corresponding heat flux at the surface will be much less; i.e., the thermal stress is also lower. Therefore, this does not appear to be a viable mechanism for fine scale fragmentation in these accidents.

Since none of the proposed fragmentation models appear to be applicable in these cases, one must also consider the maximum sizes which could sustain coolability in the presence of water. One such size would be that represented by the spherical conduction limit within the particle, which has the boundary conditions of saturated water at the particle surface and remains solid through the entire particle diameter. This

represents a thermally stable configuration in that, if the center is not molten, strong dimensional changes would not occur. The radius (r) can be evaluated from the spherical conduction equation which is expressed as

$$\frac{\dot{q}r^2}{6k_F} = T_m - T_s$$

where $\dot{q}$ is the volumetric heat generation, k_F is the thermal conductivity of the core material, T_m is the maximum temperature within the particle (center), and T_s is the surface temperature, which will be set equal to the saturation temperature at the system pressure. Such a calculation is illustrated in Table 3.1.1-2, where the thermal conductivity has been taken as a value typical of oxide material, and the maximum temperature has been either 1500°C or 815°C which represents the melting temperatures of steel and silver respectively. These melting temperatures were chosen since they are far less than those of either the uranium dioxide (2850°C) or the zirconium dioxide (2700°C). The steel and silver melting points represent the lowest melting temperatures of materials contained within the core and could then be contained, to varying degrees, within accumulations of core material. While stainless steel at its melting point in the presence of steam would be rapidly oxidized, the resulting iron oxides would have almost the same melting point as the steel itself. Oxides of silver are not stable at these temperatures. As illustrated in the table, the diameters represented by this type of mechanism are far larger than those minimum sizes required for permanent coolabilty of debris beds shown in Table 3.1.1-1. Consequently, for the fragmentation sizes expected under these conditions, where water is provided to the upper regions of the core and coolabilty is established by a counterflow mechanism, the anticipated particle sizes are far larger than those required for removal of the decay power.

It is important here to equate this behavior to that observed during the TMI-2 accident (Ref. 3.1.1-20). In that accident configuration, temperatures were measured within the core at approximately 4 to 5 1/2 hours into the accident, and were in the range of the stainless steel melting point. At approximately 16 hours into the event, a reactor coolant pump was restarted, and forced flow was sustained. The thermocouples which were being monitored still read values far higher than the saturation temperature corresponding to the measured system pressure. The values of the temperatures themselves are relatively unimportant for this analysis, and the actual location of the thermocouple junction within the core could be anywhere from the bottom to the top of the core boundaries. However, the point of interest is the time response over which these thermocouples cool down, even after convective flow was established. The records of these various thermocouples show that while some portion cooled down very rapidly, others required many hours and even a day to eventually approach the saturation value corresponding to the system pressure. If this is viewed as a measurement of the length of conduction path presented by the final configuration within the core, this suggests that large particles were formed and

remained as such over an extended time frame. This is in agreement with the previous discussion which suggests that for this type of an accident, namely a small break LOCA, a fine fragmentation mechanism for substantial fractions of the total core inventory does not exist. In fact, one would anticipate under these postulated conditions that fairly large particles of core materials would be formed and would thus represent the final state. It should also be pointed out that this final state was achieved even in the presence of the early restart of a coolant pump (which occurred at about 3 hours into the accident when significant core degradation had already occurred), as well as continued injection into the cold legs over many hours of the accident. It also was achieved in the presence of a limited core flood injection at about 8 1/2 hours into the accident. This is significant since it represents some of the most dramatic actions that could be imposed upon the primary system and by an operator and consequently should represent some of the most severe interchanges of energy that could occur between the degraded core state and the coolant. This will subsequently be discussed in terms of an in-vessel "steam spike" and the resulting quenching rate of the overheated core. The salient feature of this discussion is that the experience during the TMI accident was very similar to that represented above as the likely state of the core configuration when the water supply is established.

In addition to water penetrating down through a bed of coarse particulate debris, the evaluation of permanent cooling must also include an assessment of the counter current steam-water flow at the top of the bed. As the steam rises out of the core region, it must allow sufficient liquid to contact the top of the bed to sustain permanent cooling. A lower bound on this liquid availability at the upper surface is given by a pool boiling critical heat flux (CHF) expression over the cross-sectional area of the core. For saturated water the CHF limit (q/A) can be expressed as (Ref. 3.1.1-21)

$$q/A = 0.14\, h_{fg} \left(\rho_g\right)^{1/2} \left(g\, \sigma(\rho_f - \rho_g)\right)^{1/4}$$

where σ is the liquid-vapor surface tension. This expression is depicted in Fig. 3.1.1-4 and it is clear that the expression is bivalued as a function of pressure; the maximum heat flux occurring at a pressure of about 7 MPa (1000 psia).

Since this CHF formulation represents the heat flux limitation on a uniform, horizontal flat plate, the surface irregularities at the upper surface of a degraded core could cause the actual counter current limitation to be somewhat greater than that given by the CHF criterion. Table 3.1.1-3 compares the energy removal level predicted by the CHF model at primary system pressures typical of (1) a transient accident scenario, (2) a small break LOCA, and (3) a large break LOCA sequence. As shown in the table, the lower bound estimate predicts energy removal rates well in excess of the decay power at one hour into the accident sequence for the elevated pressure cases, and a substantial fraction of 1 percent power in the large break case. With respect to this latter value, if fuel damage has already occurred at this time, the noble gases

and more volatile fission products may have been lost from the fuel matrix such that the actual power generated by the decay chain within the fuel could be about 24 to 25 Mw, i.e. a coolable state even with this lower bound value.

In summary, the considerations of the totality of these particular systems, which provide for coolant injection in the hot legs and thus onto the top of the core provide a very attractive feature for in-vessel heat removal. This heat removal would be affected by the counterflow mechanism of downward flowing liquid in the presence of upward flowing vapor. In depth consideration of the fragmentation mechanisms shows that those mechanisms proposed for very fine scale fragmentation for LMFBR conditions are not relevant to these LWR accident conditions, and in fact rather large particulate sizes would be produced. These would be calculated to be coolable by any models presented for "deep bed" systems.

3.1.1.4 Heat Transport Cycle

In evaluating the in-vessel heat removal capabilities, one must consider the establishment of a complete heat transport cycle to the heat sink and returning to the reactor core. For the systems under consideration, this is easily established as a reflux mechanism between the core and the bottom entry, elevated steam generators. With this bottom entry steam generator design, less than a meter of water is required on the secondary side of one of the steam generators to remove the energy generated within the core. The principle limitation for this heat removal is the primary-to-secondary temperature drop across the steam generator tubes. In this mode of operation, the condensate from the steam generator(s) will drain back down the hot leg piping and into the core, as shown in Fig. 3.1.1-5. This establishes a reflux mode of permanent heat removal which can assure long-term coolability. This evaluation is made under the assumption of total blockage at the inlet of the reactor core, and of course, if this blockage is not complete and water can be supplied from the cold leg side as well, sufficient energy removal can also be accomplished in this manner.

As will be subsequently discussed, depending upon the state of the core degradation, varying amounts of hydrogen could have been generated and could be located at various portions of the primary system. Potentially, sufficient hydrogen could be generated to either block or inhibit the energy removal from the steam generators. In such a case, energy removal can also be effected by injection into the hot legs, which supplies water to the top of the core, and relief of the vapor through the power operated relief valves. Also, if the core blockage is not complete, water can be supplied through the cold legs and the vapor vented through the PORVs.

3.1.1.5 Summary

The above considerations represent additional means of establishing permanent coolabilty for the postulated accident sequences. These considerations include

1. Secondary heat sink availability

2. Limited water injection

3. In-Vessel coolability

These considerations relate to either preventing core damage altogether or limiting the damage and retaining the debris within the vessel. Such specific details did not, and could not enter into the evaluation of the individual, defined accident scenarios. However, the absence of detailed core analysis covering these specific issues is only a result of the time available to conduct the study and the fact that their omission provides a conservative estimate in the overall risk assessment. Given a sequence leading toward a degraded core, these features are extremely important in determining both progression and regression of the accident condition, and have a major influence in establishing the final coolable state. Given any of the actions listed below, it is possible to terminate core degradation short of complete core melt:

a. Injection of coolant into the cold legs at a rate of about 100 gpm;

b. Injection of coolant into the hot legs at a rate of about 100 gpm;

c. Establishment of the secondary heat sink within about 4 hours for the transient sequences;

d. Depressurization of primary system via the steam generators in small and medium break sequences so that water loss is terminated.

In the subsections which follow, the relevant phenomenological models used to formulate the overall primary system and containment effects for the core melt sequences will be discussed.

3.1.2 Core Heatup

The loss of water from the primary system will eventually result in an undercooled condition if the loss continues and is not replaced via high pressure injection, low pressure injection, or accumulator water. Such was the case in the accident at TMI-2 (Ref. 3.1.1-20) in which the stuck open electromatic relief valve, which was automatically opened as a system response to the turbine trip, allowed approximately half of the primary coolant to be lost while the amount of water added by high pressure injection was minimal. This loss of water caused the reactor core to overheat with the eventual oxidation of the cladding and the accompanying generation and release of hydrogen when the temperature increased to levels substantially above 1000°C. To analyze the detailed core heatup behavior, a multidimensional code entitled "TMI-2 HEATUP" (Ref. 3.1.2-1) was developed for the Nuclear Safety Analysis Center by Argonne National Laboratories. This code provides a detailed calculational model for determining the rate of core degradation for various defined accident sequences.

As water is lost from the core, the radial and axial power distribution will result in multidimensional boiling characteristics. In addition, the specific reload history of the core at the time of the accident will cause additional nonuniform effects. The axial and radial heat sinks, both the static structural heat sinks as well as the vaporization of water in the radial water shields, promote even greater nonuniformities, particularly in terms of the temperature differences between the central region and the core boundaries. To calculate the temperature escalation characteristics of the various core regions, it is first necessary to subdivide the core into radial and axial nodes such that the appropriate power distributions can be incorporated.

The boil down rate is determined by the energy generated in the core below the boiling interface which can be estimated as a function of the superficial vapor velocity and the void fraction necessary to allow the vapor to be transmitted through the remaining water. In the TMI-2 HEATUP code, the maximum void fraction in the steam/water mixture was fixed at 0.45, which can be translated into a boil down rate of the remaining liquid defined by a specified accident sequence. (This is, of course, greatly dependent upon the decay power at the time boil down is initiated and is determined by the sequence.)

When liquid has boiled down below the top of the reactor core, the only cooling mechanism for the uncovered region is the upward flowing steam, which only has a velocity of several centimeters per second (again dependent upon the accident sequence). To transfer the energy generated within the fuel to the slowly flowing steam requires a substantial temperature difference. After the water level has boiled about halfway down, the steam would be heated to relatively high temperatures before reaching the upper core region. This combination of high bulk steam temperature and large wall-to-bulk temperature difference causes the zircaloy cladding temperature to become sufficiently high to result in significant reaction with the steam. This reaction is exothermic and accelerates the heatup in the regions where it occurs. Since the rate

of reaction increases with increasing temperature, the process could be autocatalytic if oxygen were always intimately available for sustaining the chemical reaction.

For the postulated core degradation conditions resulting from the core damage sequences identified in Section 1, the chemical reaction of the cladding is limited by at least two phenomena: (1) oxygen starvation and (2) hydrogen blanketing. (It is perhaps also limited by an internal reaction between the uranium dioxide fuel and the cladding during the heating stage. This reaction at the inner surface of the cladding is not modeled in the TMI-2 HEATUP code.) Oxygen starvation results since the flow of steam is slow (and becomes even slower as the liquid level decreases) and flowing vertically upward. Therefore, as the steam flows upward and reacts with the cladding, the oxygen is depleted and eventually the stream can become essentially gaseous hydrogen. The second aspect is a result of the first in that as the concentration of hydrogen becomes significant in the flowing stream, the availability of steam molecules at the surface becomes limited by the diffusion of steam molecules through the hydrogen; such a limitation has been termed hydrogen blanketing (Ref. 3.1.2-2). These local limitations tend to counteract any autocatalytic behavior driven by the increased rate of reaction at high temperatures.

This multidimensional character of the core heatup and oxidation process was analyzed with the TMI-2 HEATUP code for a PWR design and three hypothetical transients: (1) a large break LOCA with no injection or accumulator discharge, (2) a small break LOCA, which was the TMI-2 case for these calculations, and (3) a transient case where the boil down process was calculated at a pressure of 17 MPa and an initial core uncovery time of 240 minutes. The results of these calculations are summarized in Figure 3.1.2-1 for the large break LOCA, and Figure 3.1.2-2 for small break LOCA, and Figure 3.1.2-3 for the transient case in terms of the amount of material in melting transition and the amount totally melted. As illustrated, progression of the melt requires tens of minutes, which is long compared to the drainage phenomenon which is discussed below. In addition, a core map temperature profile for the transient case at the start of central melting shows that the radial temperature differences are at least 750°C. Therefore, the heatup and melting process is one of large nonuniformities within the core region. As illustrated in Figure 3.1.2-1, for the large LOCA initiator with no accumulator discharge, melting starts at about 18 minutes after core uncovery; at 45 minutes into the uncovery, only 60 percent of the core is in melting transition.

Pressurized water reactors employ an open lattice core design. As the water is boiled off, the liquid level will essentially remain uniform since the inner and outer regions are hydrodynamically coupled. However, due to the accelerated heating of the steam/hydrogen mixture, some flow diversion into an adjacent channel would occur which would also act to limit the oxidation, since a portion of the available oxygen would be forced into an adjacent assembly thereby diminishing the available oxygen supply in the hotter fuel assembly and providing additional cooling for the outer regions.

As the heatup calculation progresses, core geometry would remain intact as long as all the constituent materials, and their oxides where appropriate, were below their respective melting points. The constituent with the lowest melting point is the control rod material, but this is encased within a stainless steel sheath. Since the control rod "fingers" are distributed throughout the core, the temperature of these rods will essentially follow the local cladding temperatures. As the stainless sheath approaches its melting temperature, experimental data shows that the oxidation increases dramatically (Ref. 3.1.1-17) and the resultant oxide retains little structural integrity. Therefore, at these temperatures, the molten control rod material could potentially be released from the sheath which would represent the onset of substantial departure from the intact core configuration. (It should be noted that for large LOCAs, some cladding ruptures could occur before this time. This distortion would enhance the multidimensional character of the heatup.)

Since the boil down processes do not involve strong hydrodynamic forces, the molten silver alloy would drain to the lower elevations where it could refreeze on cold structure or when it contacts water. In either case, since the frozen material would locally block the flow of steam and/or water, it would accelerate the heatup locally and thereby increase the multidimensional characteristic of the degradation. (In the text that follows, this nonuniformity will be termed noncoherence.) As this downward progression occurs, it will locally enclose cladding and control rod surfaces and tend to minimize the local oxidation for both steel and zircaloy, that results from the heatup since it precludes the presence of steam. Consequently, the cladding will begin to lose any structural significance as it approaches the metallic melting point (~ 1850°C). The integrated result of such progression would be a growing molten region in the core center, which is perhaps vertically stratified with the silver alloy on the bottom with sequential overlying layers of steel and zircaloy, with their oxides intermixed, and the uranium dioxide on the top. This growing region would present a minimal surface area for continued oxidation and heat removal off the surface via convection and radiation.

Given the multidimensional configuration discussed above, the continued denial of water to the core region will result in a growth of this melting zone and downward progression of the melt. This will eventually result in a release of this material into the lower plenum where additional thermal interactions can occur. These could have a significant influence on the rate of progression and on the containment loading. The detailed core heatup calculations from the TMI-2 HEATUP code indicate that the progression to fully molten conditions requires tens of minutes. As a result of inherent incoherencies within the core, as modeled by the TMI-2 HEATUP code, engineering judgment guided by the intact geometry calculations suggest that a reasonable assessment of the core material transported into the lower plenum in a short time interval compared to the total time for core melt would be about 50 percent of the core. In addition, to conservatively bound this downward progression and to evaluate the integrated sensitivities in the containment response, no more than 75 to 80 percent of the core material should

be considered to be coherently transported to the lower plenum. These two material inventories (i.e., 50 and 75 to 80 percent) were used in assessing the overall containment effects and the resulting probabilities for containment failure.

The results of the above discussion indicate that the most probable path for core melt progression is an incoherent melt involving, initially, approximately 50 percent or less of the core material. This contrasts to earlier models which assume 75 to 80 percent of the material in a molten state on a coherent basis.

In discussing the possible paths for the material migration into the lower plenum, the most likely progression would be a failure in the plate holding the assemblies and a pouring of debris into the lower plenum. Another path considered is a weakening of the core barrel, which supports the core, due to radiation heat transfer from the debris. However, if this should fail, the below core structure would only allow the core assembly to fall a couple of centimeters. Thus, even if such attack were to occur, the ultimate progression path into the lower plenum would be essentially the same.

3.1.3 Clad-Water Reaction

High temperature zircaloy clad can react with water to generate substantial quantities of hydrogen. The rates and magnitudes of clad-water reaction and the resultant hydrogen release are an important consideration in the evaluation of containment pressure transients for a core meltdown event. There are several distinct phases of the transient where the potential for clad-water reaction must be considered: the core uncovery and overheating process where clad can react with steam flow through the core; the interaction of clad present in the melt as it contacts water in either the lower reactor vessel or the reactor cavity; and finally, reaction with water vapor released from concrete decomposition in the event of an uncooled debris bed. The first two take place within the vessel and are discussed below, and the third occurs after the core debris has been released from the reactor vessel and will be discussed in the section on ex-vessel phenomena.

3.1.3.1 Clad Reaction During Core Uncovery

During the process of core uncovery, overheated upper core regions begin to react with steam flow through the core. The reaction continues while the core heats further, melts and slumps onto the core plate. The extent of reaction depends on the material temperature, surface area exposed and the amount of steam available. For this period, transient codes such as the TMI-2 HEATUP code and MARCH compute the extent of the oxidation based on temperature dependent parabolic reaction rate law coefficients that have been established by experiments. As discussed previously and noted in the literature review in Appendix 3.4.3, this approach does not account for any "clad oxidation" by UO_2 contact at the clad inner surface. Since there is substantial evidence that some of the clad will be oxidized in this manner and since this would reduce hydrogen generation, it is concluded that the neglect of clad oxidation by UO_2 will result in an overestimation of the amount of hydrogen generated. This could result in a calculated amount which would be almost twice that generated for the conditions in this portion of the transient. Nevertheless, the MARCH code model has been used to estimate hydrogen generation during this period. Resultant clad reactions for this phase have been in the range of 20 to 40 percent depending on the particular accident sequence.

3.1.3.2 Reaction of Molten Clad With Water

As the core meltdown process continues, zircaloy which has not reacted in the above overheating and slumping process, has the potential for further reaction as it drains into water remaining in the lower plenum of the reactor vessel. This reaction could involve both unreacted zircaloy and stainless steel which would be mixed with the uranium dioxide fuel along with zirconium dioxide and the various stainless steel oxides. These reactions are discussed in the attached appendicies.

The available information for this transient process is based on tests in which small quantities (on the order of 10 gm) of molten zirconium were dropped or sprayed into water, or small diameter wires or thin

foils were rapidly heated (by condenser discharge) beyond melting while under water (Ref. 3.1.2-2). Percent completion of the reactions for such experiments should be considerably greater in comparison to the large scale reactor core meltdown situation in which considerably less particle subdivision is expected.

Trends in the data include higher percentage completion for the reaction as the water vapor pressure (and hence temperature) is increased, and higher reaction fractions with increased initial metal temperature or smaller particle diameter. With 2 to 10 gm batches of molten zirconium dropped into water, the reaction fraction was in the range of 5 percent for room temperature water, 20 percent for water with vapor pressure in the range 20 to 280 psia, and 50 percent for water with a vapor pressure of 750 psia. This tendency toward a more complete reaction with increasing water temperature was also seen in the wire experiments where a 25 μ reaction depth for the nominal particle size was found for room temperature water and a 60 μ reaction depth was determined for heated water. Regarding initial metal temperature, the wire experiments indicated that for liquid zirconium at the 1852°C melting point, reactions were near 10 percent in room temperature water and 25 to 55 percent in heated water (100°C to 300°C). For 1000°C to 2500°C, these increase to the 10 to 15 percent and 50 to 60 percent range for room temperature and elevated temperature water, respectively. With regard to the observed dependence on particle diameter, the percent reaction in the wire experiments indicates the ranges shown in the following table.

Particle Diam (mm)	Percent Reaction	
	Room Temp Water	Heated Water
2.0	2-8	10-15
1.0	10-20	30-50
0.5	20-50	50-90

These particle ranges are significantly less than those discussed in Subsection 3.1.1 for in-vessel cooling which were based on the available fragmentation mechanisms. In fact, the largest particle sizes listed essentially represent the wire diameter prior to melting, i.e., large particles could not be formed in these tests.

In experiments with 10 to 20 gm of molten zirconium sprayed under pressure into water, the reactions were about 30 percent complete.

Calculational models, formulated to follow the progression of a hypothetical core meltdown accident in a light reactor, have included in their formulation the potential for additional oxidation processes as the degraded core material is calculated to drain into the lower plenum. This oxidation process is assumed to occur simultaneously with the calculated "steam spike" phenomenon discussed in the previous section. In the MARCH calculations performed to date, the user can dictate the oxidation behavior of the core material as it progresses into the

lower plenum by choosing one of the three meltdown models provided in the code structure. If the user chooses to select a model which represents a fine particulation of the core debris as it is transported into the lower plenum, considerable oxidation would result. In essence, all the remaining unoxidized portions of the core material would be oxidized when transported to the lower plenum. Here again, the mass transfer processes do not occur instantaneously. First order considerations of pertinent heat transfer and hydrodynamic behavior can yield considerable insight into the amount of additional oxidation, and thus hydrogen generation, which could occur.

To continue the oxidation process as the core material is transported to the lower plenum, a continual steam supply is required; thus requiring a continual water supply. If the water is driven away from the material to be oxidized, the remaining steam would be depleted as a result of oxidation, and further oxidation would be prohibited by both the oxygen depletion and hydrogen blanketing. The oxidation process, in the presence of water, is determined by the competitive processes of oxidation, with its corresponding liberation of energy, and the quenching of the material by the cold water. For substantial oxidation rates to occur, the material must be at temperatures of approximately 1500°C or higher. At such temperatures, the principle mode for heat transfer is radiation from the degraded core material to the surrounding media, which would be water if the oxidation process is to be continued. For these order of magnitude considerations, if the degraded material is assumed to be accumulated in the lower portions of the reactor vessel, the availability of water on top of the accumulated material can be related to pool boiling critical heat flux based upon the cross-sectional area of the reactor vessel. This expression is shown in Figure 3.1.1-4 to maximize at about 3.8 Mw/m^2 at a pressure of 7 MPa. For a vessel cross-sectional area of 16 m^2, this corresponds to a steam generation rate of approximately 61 Mw. Assuming the mass of the material in the lower plenum is 50,000 kg, one can evaluate a particle surface area, radiating at a temperature of 1500°C, which would produce the vapor required for a pool boiling critical heat flux limitation. The number of particles of a given radius would be given by

$$N = m_T/((4/3)\ \pi r_p^{\ 3}\ \rho_p)$$

where r_p is the particle radius, ρ_p is the particle density and N is the number of particles required to make up the total mass (m_T). The radiation heat flux from these particles can be approximated by

$$q/A = \sigma\ \varepsilon(T_F^4 - T_f^{\ 4}) + h_{FB}\ (T_F - T_f)$$

where σ is the Stefan-Boltzmann constant and ε is the emissivity of the surface (which for these order of magnitude calculations can be assumed to be unity), T_F is the average temperature of the degraded core material, T_f is the saturated water temperature, and h_{FB} is the convective film boiling heat transfer coefficient, herein assumed to be 0.3 kw/m^2°C which is a typical film boiling heat transfer coefficient

(Ref. 3.1.1-17 and Ref. 3.1.3-1). Solving the above equations for the particle radius necessary to achieve the CHF limitation at the top of the accumulated material yields a value of 93 cm (3.0 ft), if the surface temperature of the particles is assumed to be 1500°C. With such a surface temperature, assuming that the initial temperature of the debris mixture to be 2200°C, the length of time that the energy could be conducted to the surface of the particle can be estimated from the error function solution for a constant surface temperature, wherein the conduction heat flux ($(q/A)_{cond}$) as a function of time is given by

$$(q/A)_{cond} = k_F \frac{T_o - T_i}{(\pi \alpha_F \theta)^{1/2}}$$

where k_F is the thermal conductivity of the core material, α_F is the thermal diffusivity of this material, and θ is the time since conduction was initiated. Solving the conduction and radiation equations for the available time that such energy can be supplied to the surface with an interface temperature of 1500°C gives a time interval of 2.2 s, which illustrates that even with this radiation heat flux, the core material is cooled very rapidly.

3.1.3.2.1 Pertinent Experiments

Such effects can be demonstrated by the stainless steel and uranium dioxide experiments reported in Ref. 3.1.3-2. In these tests, molten masses ranging from 1.24 to 2.6 kg of either UO_2 or stainless steel were rapidly quenched in subcooled water and the resulting pressure-time histories were recorded. (While the ambient pressures were varied from 0.015 MPa to 0.21 MPa, no steam explosions were observed in these tests.) In addition to the normal recordings of pressure-time history, the resultant particle size distribution is reported for several tests. These data are repeated in Table 3.1.3-1 for the tests with molten material, and as shown, the fragment sizes are typically several millimeters in diameter, which is considerably different than those observed in postmortem examinations in sodium-UO_2 systems (Ref. 3.1.1-11). These large fragment sizes are in agreement with the general mechanism discussed above, i.e., fragmentation occurs while the material is molten (film boiling) and can proceed until it becomes heat flux limited where coalesence of molten material still could occur. As stated in Ref. 3.1.3-2, ". . . the fragmentation is rather poor as compared to other fragmentation data taken from the literature . . ." and ". . . in the small tank the melt has been collected on the bottom as a large lump with a relatively small surface area . . .". Since the molten stainless steel tests, in which the steel was heated within an inert atmosphere, demonstrate the nature of the competitive reaction and quenching processes for 1) significant melt quantities and 2) an initially separated system, these tests will be analyzed with respect to the hydrodynamic limitation proposed above.

The experiments reported in Ref. 3.1.3-2 were carried out in both a large vessel filled with water and a reduced size vessel with a limited

amount of water which simulated the coolant-core volume ratios of interest. The larger vessel had a volume of 350 ℓ, while the smaller was 6.5 ℓ, as represented in Figure 3.1.3-1. With the smaller volume, fuel-to-coolant volume ratios more typical of PWR hypothetical accident conditions could be obtained. In the experiments, the molten material was poured into the subcooled water and the resulting pressure history was monitored. For the tests with molten stainless steel in the small vessel, the pressure after the experiment had been completed did not depressurize back to the original condition, which the authors attribute to hydrogen generation as a result of stainless steel oxidation. The amount of hydrogen generated and its comparison with other experiments and analyses are also discussed below.

3.1.3.2.2 Model for the Experiments

Once the melt is poured into the water, the configuration is assumed to be as shown in Figure 3.1.3-2 in which the particles are in film boiling, completely surrounded by water, and the steam generated is being partially condensed within the subcooled water and the remainder is transported into the gas space above the water. As discussed above for the reactor system, for both continued vaporization and oxidation, the water must remain in close proximity to the molten steel particles. Thus, the rate of energy removal from the surface of the particle bed should not exceed the CHF limit. However, in these experiments the water was subcooled; hence the CHF model must include the very strong subcooling influence. As discussed in Tong (Ref. 3.1.1-21), Ivey and Morris (Ref. 3.1.3-3) correlated the pool boiling subcooled critical heat flux for water in the pressure range of 0.03 MPa to 3.45 MPa with the expression:

$$q/A)_{CHF,\ sub} = \left[1 + 0.1\left(\frac{\rho_g}{\rho_\ell}\right)^{1/4}\left(\frac{c_\ell\ \rho_g\ \Delta T_{sub}}{h_{fg}\ \rho_g}\right)\right] q/A)_{CHF,sat}$$

where $q/A)_{CHF,sub}$ and $q/A)_{CHF,sat}$ are the subcooled and saturated critical heat fluxes respectively, c_ℓ is the liquid specific heat, ρ_ℓ is the subcooled liquid density, and ΔT_{sub} is the amount of liquid subcooling. This shows that subcooling has a major influence on the critical heat flux, i.e., for example, at a pressure of 0.1 MPa the saturated CHF value is 1187 kw/m^2 but with a subcooling of 75°C the above expressions predicts the heat flux limitation would not occur until about 5500 kw/m^2. Consequently, this is an important consideration to be modeled in the experimental interpretation.

With this formulation for the subcooled boiling CHF over the cross-sectional area of the vessel, the fragmentation achievable in the film boiling mode can be determined by equating the rate of energy transfer from all the particles to that represented by the subcooled CHF limitation:

$$q/A)_{CHF,sub} \cdot A_v = \frac{3m_T}{r_p \rho_p}\left[\sigma(T_F^4 - T_\ell^4) + h_{FB}\ (T_F - T_\ell)\right]$$

where A_v is the cross-sectional area of the vessel and T_ℓ is the subcooled liquid temperature. This expression can then be solved for the particle radius r_p. Table 3.1.3-2 lists the pertinent experimental information for those three stainless and one uranium dioxide tests where such information is available and the material is initially molten. The particle sizes predicted by the heat flux limited mechanism is given on the last line of the table. Comparing the predicted sizes for runs 28, 39, and 79 with the fragmentation sizes listed in Table 3.1.3-1 shows that the predicted is quite close to those measured in the experiments. (It is to be noted that the stainless steel histograms reported in Ref. 3.1.3-2 are for different runs than those for which the initial conditions were reported. However, the measured fragmentation appears to be similar for all steel tests conducted in the large tank.) As shown in Table 3.1.3-2, the predicted fragmentation size for the stainless steel test in the smaller vessel (run 82) is considerably larger than that predicted for the large test vessel. A fragmentation histogram was not reported for this test, but in discussing the results of test 82, the authors state ". . . and the less fragmented melt, which has been collected again as a large lump on the bottom of the vessel, . . .". This suggests that the post-test examination revealed a much less fragmented state in the small vessel than did those conducted in the large tank, and such a dependency is in agreement with the heat flux limited model.

In this fragmentation model, the breakup occurs as a result of moderate hydrodynamic forces while the material is molten and in film boiling. (It should also be noted that the pouring process also produces fragmentation.) As the breakup continues, it reaches a point where it becomes self-limited, i.e., if further fragmentation occurs the addition film boiling heat flux displaces the water (CHF limitation) which allows the molten particles to contact and coalesce into larger masses. This recombining of molten masses would decrease the heat flux and allow water to return. The particle size prediction in this molten state, which is in good agreement with the available experimental observations, enables the hydrogen production, also observed in Ref. 3.1.3-2, to be estimated.

As discussed above, with respect to the reactor system, the time interval during which the surface can remain molten can be estimated by equating the radiation and convective film boiling heat fluxes to that which can be conducted to the surface if the surface temperature is assumed to be constant at the melting point. This is expressed as

$$\sigma(T_{F,m}^4 - T_f^4) + h_{FB}\,(T_{F,m} - T_f) = k_F\left[\frac{T_o - T_{F,m}}{[\pi\alpha_F\theta]^{1/2}}\right]$$

where $T_{F,m}$ is the melting point of the molten material. This expression is a valid approximation as long as the thermal penetration ($x = 2\alpha\theta$) is not large compared to the particle radius. If this is the case, then the time to freeze the surface can be estimated from the time required to cool the particle from the initial temperature to the melting point:

$$\theta = \frac{\rho_p r_p c(T_o - T_{F,m})}{3\,\sigma(T_{F,m}^4 - T_f^4) + h_{FB}\,(T_{F,m} - T_f)}$$

where ρ_p is the particle density, r_p is the particle radius, c is the particle specific heat, and T_o is the initial temperature of the debris.

The shortest time predicted by these two formulations is the one which governs the process.

Once the particle size and the time for surface freezing are determined, the hydrogen evolution for a metallic particle can be estimated in two different manners. The first is to calculate the reaction based upon the weight gain expression given for the stainless steel oxidation process in Appendix 3.4.4:

$$\frac{W^2}{t} = 2.4 \times 10^{12} \exp - \left[\frac{84300}{RT}\right]$$

Using the initial melt temperature for run 39 and a time of 0.44 secs, this expression predicts an oxygen weight gain of about 25 mg/cm^2. With the predicted particle radius of 1.5 mm in this experiment and the initial stainless steel mass of 2.6 kg, the particle population is about 23,000 and the surface area is 6500 cm^2. The calculated oxygen weight gain is 0.16 kg which would require the reaction of 0.01 kg-moles of steam, thus liberating 0.01 kg-moles of H_2. If this amount is generated and collected in the gas space above the water, the final pressure in the gas space would be 0.17 MPa greater than the initial value. For this experiment, the measured increase of the excess pressure was only 0.013 MPa; hence, this model substantially overpredicts the hydrogen production.

A second approach is to base the chemical reaction assessment on the amount of hydrogen that can diffuse outwardly through a steam boundary layer (film boiling) in the available time interval. The physical process represented by this approach is that the reaction cannot proceed any faster than the hydrogen can be removed or a hydrogen blanket (Ref. 3.1.2-2) would be formed. The thickness of the vapor boundary layer (δ_v) can be estimated from the convective heat transfer coefficient (h):

$$\delta_v = k_v/h$$

where k_v is the steam thermal conductivity. For these conditions, the layer would be 0.008 cm. Gas diffusion through the boundary layer is given by

$$N/A = \frac{D_v}{RT}\,\frac{(P_{g,s} - P_g)}{\delta_v}$$

where N/A is the mass flux of hydrogen, D_v is the mass diffusivity of hydrogen through steam, R is the universal gas constant, T is the absolute temperature, $P_{g,s}$ is the partial pressure of the hydrogen at the particle surface pressure and P_g is the hydrogen partial pressure at the outer surface of the steam boundary layer. Assuming the mass diffusivity of hydrogen through steam is the same as hydrogen through air, a value of 4.1×10^{-5} m^2/sec can be used. If one also assumes the hydrogen partial pressure at the particle surface is the system pressure (0.015 MPa for run 39) with a partial pressure of 0.002 MPa at the outer surface of the boundary layer, the mass flux can be calculated and results in a value of 0.003 $\frac{\text{kg-moles}}{\text{sec-m}^2}$. For the surface area and time interval used in the first calculation, the amount of hydrogen diffused is about 0.001 kg-moles. The increase in the system pressure as a result of the hydrogen generation would be 0.016 MPa as compared to the measured value of 0.013 MPa, i.e., in good agreement with the experiment. If the same analysis is carried out for run 28, which had a temperature of 80°C, a pressure of 0.1 MPa, and a mass of 1.65 kg, the particle population would be 18,000, the surface area would be 0.44 m^2, and the time to solidification would be 0.36 seconds. The mass flux for this case is 0.017 $\frac{\text{kg-moles}}{\text{sec-m}^2}$ and for the surface area and time interval this would yield 0.0026 kg-moles of hydrogen. Given this amount, the hydrogen partial pressure in the vessel would be 0.05 MPa as compared to the measured level of 0.02 MPa. While the agreement is not as good for this run, it is the same order of magnitude and also conservative in that it overestimates the hydrogen liberation.

Experimental run 82 involved 1.74 kg of molten stainless steel poured into a water pool at 25°C in the small vessel. As listed in Table 3.1.3-2, the fragment sizes would be much larger for these conditions; the predicted particle population being only 151 and the surface area would be 0.093 m^2. For these larger particles, the transient conduction predicts the surface to begin freezing in about 0.9 secs whereas bulk cooling would require about 1.5 secs; thus the conduction solution would govern the process. The mass flux would be 0.017 $\frac{\text{kg-moles}}{\text{sec-m}^2}$ resulting in 0.0014 kg-moles of hydrogen generated for the available surface area and time duration. Assuming the gas volume is two-thirds the total volume (4.3 ℓ), the hydrogen partial pressure at the end of the test would be 0.83 MPa as compared to the value of about 0.7 MPa shown in Ref. 3.1.3-2. As with the experimental results in the large vessel, the model is in agreement with the measured behavior, but somewhat overestimates the hydrogen production. These calculations are summarized in Table 3.1.3-3 for the experimental conditions and for the reactor case as well.

The reactor case listed in Table 3.1.3-3 is based on temperatures, pressures and core material for a small break loss-of-coolant accident with an incoherent core melt. Fragmentation size is determined by the CHF limitation discussed above and the resulting reaction is determined by hydrogen diffusion. Since the core material is essentially 80 percent

uranium dioxide, as opposed to the experiments which are unreacted stainless steel, this calculation grossly overestimates the reaction which would occur under such circumstances. However, even with this highly conservative estimate, the hydrogen evolved represents only a few percent reaction of the zircaloy within the core.

The large particle diameters predicted for the reactor case are not physically reasonable in that they are larger than any potential initial flow path for transporting the melt to the lower plenum. Given the transmittal of molten core debris into the lower plenum, these order of magnitude formulations demonstrate that water could not remain around all the particles, i.e., it would be displaced since the steam generation by film boiling would quickly exceed the CHF limit. Consequently, the water displacement will permit the remainder of the melt to pour directly into the lower plenum, accumulate on the vessel wall (as observed for the small vessel in Ref. 3.1.3-2), and thermally attack the vessel wall. This will be treated in a subsequent subsection.

This lack of fine fragmentation in the lower plenum is also important for in-vessel cooling considerations discussed earlier in this section. If water could be provided to the core region on a continual basis at some time after degradation has occurred, and material has even been transported to the lower plenum, fine scale fragmentation would not result from the quenching process and permanent cooling could be established. Depending upon the primary system pressure at the time of quenching, permanent cooling could even be established with the scale of fragmentation observed in the stainless steel and UO_2 experiments reported in Ref. 3.1.3-2. This is considerably smaller than would be produced in the reactor case because of the high subcoolings and comparatively large vessel dimensions used in the experiments. However, as will be discussed later, vessel failure would be expected shortly after the debris pours into the lower plenum; thus the time available for in-vessel cooling would be quite short at this point in the accident sequence.

3.1.3.3 Summary

Evaluations of the water "boil down" for the various accident scenarios using the MARCH code has shown that the resulting clad reactions during this phase of the accident can be from 20 to 40 percent of the cladding. These evaluations are for defined accident sequences and if perturbations are imposed on the accident sequence, which are not in the MARCH model (sporadic injections, pump seal water flow, etc.), some additional hydrogen could be generated. In order to encompass such uncertainties, additional hydrogen generation was included as is discussed at the end of this subsection.

In evaluating the relevant processes associated with the transmittal of degraded material to the lower plenum where the debris could further interact with water, it was necessary to consider the fragmentation process as well as the chemical reaction. The fragmentation process was modeled by a film boiling critical heat flux mechanism in which the fragmentation process of melt resulting from the moderate hydrodynamic

forces of pouring and liquid-liquid film boiling, eventually reaches a self-limiting state determined by the film boiling heat flux from each particle and the maximum rate at which vapor can leave the melt region, modeled as the product of the critical heat flux and the vessel cross-sectional area. Comparison of the mechanism with kilogram scale experiments, which began with an initial separate system (melt and water are not mixed initially), shows good agreement between the predicted and observed fragmentation for tests conducted with molten stainless steel and with molten uranium dioxide.

The oxidation reaction was modeled as limited by the rate at which hydrogen could be diffused away from the particle surface and was calculated in this manner until the particle surface began to freeze. These predictions for hydrogen generation were also in good agreement with the experimental observations for kilogram scale tests with stainless steel at different pressures and with different vessel sizes.

Extrapolation to the scale of an incoherent, small break LOCA predicts that no significant fragmentation would occur and that the additional chemical reaction would also be insignificant, especially for a melt which is already composed of 80 to 90 percent oxide material.

In the integrated assessment of the accident scenarios, the effect that small changes in the detailed accident sequence would have on the hydrogen generation, the small amount of additional chemical reaction that could occur in the lower plenum, as well as that which could be generated when the material leaves the reactor vessel, were accounted for by allowing a percentage of the unreacted material to oxidize in the lower plenum. The fractions utilized for the interaction of molten clad with water are

High pressure/temperature water, i.e., above 4.14 MPa as in small LOCA or transient scenarios	50 percent of previously unreacted material
Intermediate pressure/temperature water, i.e., as in a large LOCA scenario	20 percent of previously unreacted material

These fractions have been applied to clad not previously reacted by steam in the process of overheating and melting as determined with the MARCH code analysis using melt model A, representing a conservative evaluation of the phenomenological assessment for processes occurring in the lower plenum and the containment.

3.1.4 Hydrogen Production from Upper Internals

The amount of hydrogen produced by steam oxidation of the stainless steel upper internals for the enveloping cases analyzed was investigated for these units. An inventory of thin steel structures above the core was taken and used as input for MARCH code runs. The resulting output temperatures of the thin structures were used with the steam oxidation reaction rate equation to calculate the amount of hydrogen produced. This was calculated to be less than 14 kg-moles.

An inventory of structures 0.8 cm thick or less in a 4-loop plant upper plenum is summarized in Table 3.1.4-1 and includes the upper fuel assembly nozzles and the structures between the core plate and upper support.

Appendix 3.4.4 shows that at least a 1093°C steel temperature is necessary for a significant steam oxidation reaction to take place over the time duration of steam flow past the upper internals. Analyses for the small break LOCA case showed that the core exit gas temperature exceeded 1093°C for five minutes or less before vessel failure. The upper structure temperatures in the vessel never reached 1093°C. The core exit gas temperature and the upper structure temperatures in the transient case peaked at less than 593°C. Therefore, an insignificant amount of hydrogen was produced during the small break LOCA and the transient accident cases because the structure temperatures were not high enough for a steam oxidation reaction.

In the MARCH output for the large break LOCA, the thin structures (fuel assembly nozzles and guide tubes) had temperatures exceeding 1093°C for about 10 minutes. Because the temperatures of these structures were greater than 1093°C for a significant length of time, steel/steam oxidation was possible and therefore a calculation was performed to determine the amount of hydrogen which could be produced.

Two oxidation reaction rate equations, one linear and one parabolic, that relate the stainless steel weight gain of oxygen to the MARCH output parameters of steel temperature and time are given in Appendix 3.4.4. The rate of weight gain of oxygen was converted to the rate of characteristic thickness reacted. This rate of characteristic thickness reacted was integrated using Simpson's approximation to determine the total thickness reacted, which allowed the calculation of the total number of moles of hydrogen produced.

When the linear reaction rate was assumed, about 9 kg-moles of hydrogen were produced by the steam oxidation of the upper fuel assembly nozzles and the guide tubes. When the parabolic reaction rate was assumed, about 14 kg-moles of hydrogen were produced. These values were calculated assuming that the steel was at the temperature calculated by the MARCH code, and that there was a sufficient amount of steam available to sustain the reaction. However, closer observation of the MARCH results showed that very little steam actually flowed into the upper plenum during the period when the steel temperatures were high. Although steam was being produced in the bottom of the reactor vessel, almost all of it was reacting with the zircaloy in the core. Therefore, the calculated value of 14 kg-moles of hydrogen produced by upper internal steam oxidation is conservative for the large break LOCA.

3.1.5 In-Vessel Steam Explosions*

Steam explosions were considered in the Reactor Safety Study (RSS), WASH-1400 (Ref. 3.0.1-1) as a possible containment failure mechanism for core melt accidents. With the parametric model used as the analytical tool in the RSS, postulated steam explosions within the reactor vessel were calculated to cause a failure of the reactor vessel and to propel a conceptual missile against the containment wall with sufficient energy to fail this boundary as well. To establish a basis for comparison, the following subsections will discuss the issue as follows. First, the event as envisioned in WASH-1400 will be reviewed along with the experience in small test reactors. With this background, the specific reactor structural configurations for pressurized water reactors will be compared to that considered in the RSS. The pertinent literature on steam explosions will then be reviewed and a comparison of the available results shall be made to the assumed and calculated behavior described in WASH-1400.

The results of this review lead to the conclusion that a steam explosion within the vessel does not provide a threat to the reactor vessel, primary system components or containment. A direct comparison of the key model assumptions used in the RSS and current assessments is included in Table 3.1.5-1. Each of these areas are discussed in the following subsections of this report.

3.1.5.1 Steam Explosions as Modeled in the Reactor Safety Study (WASH-1400)

In the RSS study, a degraded core state was assumed in which the core was uniformly molten and totally separated by the grid plate from the water contained in the lower plenum. It was considered unlikely that a partially molten core would drain into the lower plenum. Consequently, the core was assumed to collect on the grid plate which then failed in a catastrophic manner releasing all of the molten debris into the water. This failure caused the debris to be instantaneously fragmented to some prespecified fragment size as well as instantaneously and uniformly dispersed throughout the coolant. These conditons were assumed and not the result of mechanistic calculations describing the grid plate failure, the fragmentation process, and the mixing of the water and core material, all of which are rate dependent phenomena not represented in the WASH-1400 analyses.

Once this intimate dispersal is assumed, the thermal energy transfer is calculated by considering convection, conduction, and radiation between the degraded core debris and water. Energy transfer results in a rapid (~ 10 msec) pressure rise in interaction zone and accelerates an assumed continuous, overlying liquid slug, composed of half water and half core debris, vertically upward through an open vessel in a piston-like manner as shown in Figure 3.1.5-1. The various processes modeled are summarized in Table 3.1.5-2 and illustrated in Figure 3.1.5-2. Calculations are carried out for various levels of fragmentation and melt-drop times (melt addition interval). Acceleration and displacement

*Ex-vessel steam explosions are discussed in Section 3.2.1.

of the slug (inertial layer) continues until it impacts upon the vessel head and, for some cases, is calculated to occur with sufficient energy to cause the head to fail, propelling it against the containment wall with the energy necessary to fail the containment. One such set of calculated results for an instantaneous melt addition and a particle size of 400 μm is shown in Figure 3.1.5-3. This illustration shows that the pressures required to fail the vessel approach 85 MPa which is more than 3 times the thermodynamic critical pressure of water and 5 times greater than the normal operating pressures for a PWR. Specific details of these calculations and their relation to the available experimental results will be discussed later.

Many different cases were calculated with varying particle sizes and melt-drop times; and the results showed that for either particle sizes greater than approximately 1 cm or a melt-drop time exceeding two seconds, the reactor vessel was not ruptured. Such calculational results from a highly conservative model are particularly important in light of subsequent work on mixing energies and debris release times discussed later in this report.

The analytical description used in WASH-1400 is a simplistic representation of both the specific configurations in question and the explosive phenomenon itself. Given our current knowledge, these calculations do not represent the explosive behavior in that

1. Explosions are assumed for all liquid-liquid systems having a substantial temperature difference;

2. Contact rate of materials is not considered;

3. Instantaneous and uniform intermixing is assumed, and such mixing is assumed to require only negligible energy;

4. Release rate of steam explosion mechanical energy is significantly overestimated.

Clearly, such analytical representations are of use in safety evaluations only if they show that even with these conservatisms there is still no concern for public health and safety. On the other hand, if the conclusion of such calculations is that the phenomenon does provide a considerable risk, then the basic assumptions used in the calculational model must be scrutinized to discern if such a conclusion is indeed valid. This phenomenon will first be addressed in terms of the experiences with small test reactors and then with regards to the in-vessel structural components, both above and below the core, which were discussed in the RSS but essentially ignored.

3.1.5.2 Relationship to Previous Reactor Experience

The explosion model used in WASH-1400 resulted principally from concerns generated by the low pressure BORAX (Ref. 3.1.5-1) and SPERT (Ref. 3.1.5-2) destructive experiments and the SL-1 accident (Ref. 3.1.5-3). Reactor conditions leading to this accident and the destructive transients in

BORAX and SPERT produced a fundamentally different system than that representative of a postulated severe accident in a pressurized water reactor. It is not only important to realize these differences, but it is essential to understand the resulting implications on the phenomenon as well.

1. All these events, including the SL-1 accident, were produced by power excursions in which the core was driven to molten conditions in 30 msec or less. Such reactivity transients are not possible in power reactors and were neither addressed in WASH-1400 nor are they considered here.

2. For these three reactors, which were fueled with uranium-aluminum alloy fuel plates clad with aluminum, the fuel and water were effectively uniformly premixed and finely divided in a cold condition prior to the excursion.

3. These reactors were essentially at atmospheric pressure and the water was at room temperature. Hence, the pressure was much less than the normal operating pressures for PWRs and net vaporization was not required in the fragmentation stage.

4. With the specific core design, the SL-1 reactor could be brought to criticality by the withdrawal of one control rod. In the accident, this rod was rapidly withdrawn which caused a nuclear excursion with sufficient energy deposition to melt the high thermal response fuel-clad plates while in an extensively premixed state. This was also true for the BORAX and SPERT test reactors.

5. Since the reactors were essentially at room temperature prior to the excursion, the vessels were filled with water except for a small freeboard volume at the top, i.e. a coherent overlying liquid slug was already in place.

6. The internal geometries of the vessels were very simple and open, which provided little attenuation or dispersion of any slug movement.

With these pre-transient conditions, the configuration established was essentially that assumed in the RSS. The essential feature of the strong reactivity transient is that it brought the fuel and clad to melting before this configuration could substantially change. Given these particular characteristics, a slug impact following a steam explosion with the core would be the expected chain of events. However, this is fundamentally different than an initially separated system of high temperature molten core material and saturated water existing at an elevated pressure with substantial internal structures to prevent catastrophic collapse, initimate mixing, and slug formation.

3.1.5.3 PWR Structural Considerations

While there are small variations in the detailed designs of the light water cooled, pressurized water reactors (PWRs) manufactured by the different vendors, the general configurations are similar in many

respects. For the Westinghouse reactor used in these units, the reactor core is supported from above at the internal support ledge. As illustrated in Figure 3.1.5-4, the reactor fuel assemblies rest on the core support plate with the control rod drives penetrating through the reactor vessel from above. In-core instrument tubes enter the reactor vessel from below and extend upward through the reactor core. These operational components require extensive structure within the vessel.

As discussed above, the RSS analyses assumed no structure in the lower plenum. In actuality, the plenum contains not only the in-core instrument tubes, but also the flow distribution plate and the core support structure. These components present a dense array in the plenum where the water is assumed to accumulate. In addition, a lower plate and shock absorber structure is included as part of the design to guard against any potential of a core "drop" due to degradation of core internals. With water in this region, these components would have a strength essentially equal to that under normal operating conditions. Consequently, any collapse of core material into the lower plenum where intimate mixing is postulated to occur would also require the simultaneous failure of these structural components, but these could only be weakened in the absence of water. In addition, the lower support plate, which is approximately 20 cm thick, would require many minutes in direct contact with core debris before it could be substantially weakened. As illustrated in Figure 3.1.5-5, this plate has many large holes and would not significantly hold up the penetration of the molten debris into the lower plenum. Therefore, the total collapse of the core debris into the lower plenum could not occur in a catastrophic manner with water present.

It is worthy to note that while the lower core support structure would not hold up material to create a "coherent" core drop, it could play a significant role in determining where and at what rate the material is delivered to the bottom of the vessel. This plate has many holes with a total coolant flow area of about 4 m^2. If a gravity pour of the entire core was assumed to occur through this porous plate, the time required would be approximately one second, i.e. a melt-drop time comparable to that calculated in WASH-1400 for no vessel rupture. In addition, it should also be noted that an "equal volume mixture" of core material and water would engulf this plate. Therefore, the postulated rapid intimate mixing must occur in the presence of these sizable and cold below-core structures. Also, as will be discussed later, experiments have shown that if a steam explosion can occur, one type of triggering event observed is contact between the high temperature melt and a solid wall. Contact between the core debris and the lower core support plate could provide such a contact, which would dictate a very early interaction thereby driving the materials apart. The discussions in WASH-1400 did not include the below-core components.

The above-core structure is comprised of the upper core plate, the control rod guide tubes, the control rods, and the upper internal support structure as shown in Figure 3.1.5-4. These components were ignored in the RSS in assuming that a coherent slug could be formed and driven upward through the vessel in a piston-like manner. As illustrated in Figure 3.1.5-4, such upper internals would provide considerable

dispersive capability assuming a coherent slug could be formed and transmitted. However, as will be discussed later, a slug cannot be formed. Consequently, coherent slug impact cannot occur.

These arguments have been formulated on the basis of specific components available in the reactor vessel but ignored in the Reactor Safety Study. As discussed, these differences are extensive and the discussion of each shows that their neglect in WASH-1400 overestimated the

1. Likelihood of the event,

2. Amounts of material involved,

3. Damage potential represented by the event.

Considerations of the structural components allows one to individually rule out

a) Catastrophic Collapse,

b) Rapid and Intimate Mixing,

c) Coherent Slug Formation,

d) Coherent Slug Transmission,

e) Coherent Slug Impact.

As summarized in Table 3.1.5-2, all of these conditions are required in order for the WASH-1400 analysis to be applicable. However, there is even a more fundamental misrepresentation in the RSS; and that is the characterization of steam explosions themselves. This is addressed in the next section.

3.1.5.4 Steam Explosion Phenomena

The assessment of the relevant phenomenology for in-vessel steam explosions must be considered in light of the specific sequences of interest. These generally can be divided into three different classes characteristic of accident evaluations:

1. Large Break LOCA

2. Small Break LOCA

3. Transient Core Degradation Condition (occurring at a pressure near the nominal operating pressure).

More specifically, the sequences can be characterized in terms of system pressure, at the time of potential core melting by

a) Low Pressure (0.4 to 1.0 MPa)

b) Intermediate Pressure (1.0 to 7.0 MPa)

c) High Pressure (7.0 to 17.0 MPa)

In the evaluation of in-vessel steam explosions, the phenomena was considered in terms of these sequences and their characteristic pressure regimes.

High System Pressures

Two models have been published (Ref. 3.1.5-4 and Ref. 3.1.5-5) which predict that explosive interactions can be suppressed by elevated system pressures. Both of these models predict essentially the same pressure level for termination of explosive events; the reason for this behavior is the strong decrease of "energetic boiling" with increasing pressure. Because this predicted characteristic clearly sets these models apart from other models proposed in the literature, specific experiments were performed to test this behavior. Table 3.1.5-3 summarizes the vapor explosion (vapor explosion is the general category of which a steam explosion is one specific type) data where various pressure levels were tested (Ref. 3.1.5-4, and Ref. 3.1.5-6 through Ref. 3.1.5-10). As illustrated, this data includes both large and small scale systems, simulant and real reactor materials, and both "free contacting" and "externally triggered" mode events. A comparison of these latter two methods of initiating an explosive event show a slight sensitivity to the "trigger" magnitude (Ref. 3.1.5-6), i.e., the cutoff pressure is slightly higher for a system with a strong external trigger. A comparison between Figures 3.1.5-6 and 3.1.5-7 illustrates such an effect for the interaction between Freon-22 and mineral oil. For an ambient pressure of 0.1 MPa, energetic explosions can be generated with either an external trigger (Figure 3.1.5-6) or in the free contacting mode (Figure 3.1.5-7), and the shock waves generated by these events may be in excess of 2.0 MPa. When the ambient pressure is increased to 0.23 MPa, the free contacting mode experiments demonstrate no explosive interactions with a peak shock wave pressure again approaching 2.0 MPa. With a small additional increase in the ambient pressure to 0.3 MPa, the externally triggered systems record only very weak explosions. A further pressure increase to 0.5 MPa is sufficient to suppress explosive interactions, even in the presence of a 25 J exploding wire.

Both of these analytical models were used to provide pretest predictions for the large scale molten sodium chloride/water tests carried out at the Euratom Ispra Laboratory. These pretest predictions are documented in the test plan for these experiments (Ref. 3.1.5-11), with the results summarized in Table 3.1.5-4. As illustrated, the Buchanan model has a prediction for both homogeneous and preferred site nucleation characteristics, whereas the Henry-Fauske model, which is based upon spontaneous nucleation (homogeneous nucleation is assumed in this case), predicts a single value for a given fluid. Pressure level predictions for the homogeneous nucleation mechanism in the Buchanan model are in close agreement with those of the Henry-Fauske model, although somewhat higher, and both are in agreement with the experimental data. Those predictions based upon preferred site nucleation in Ref. 3.1.5-5 are

considerably greater than the experimental observations. It should also be noted that both of these models represent a "free contacting" mode configuration, but since the sensitivity to an external trigger has been experimentally demonstrated to be small, they provide a good representation of these events as well.

Since there is some variation in the predicted cutoff levels and data are available from a large scale water system as well as small scale experiments with reactor materials, a designation of the actual cutoff level for water is best guided by the experimental results. The Ispra tests (Ref. 3.1.5-8) were free contacting mode experiments providing vigorous explosions at 1 atm. For a pressure of 0.5 MPa, the results could perhaps contain some very weak explosive interactions, but at the pressure level of 1.0 MPa, all explosive activity was suppressed. These results are in agreement with the small scale, externally triggered tests carried out at Sandia with reactor materials (Ref. 3.1.5-9), in which explosive interactions could be triggered for pressures as high as 0.5 MPa, but not at a level of 0.75 MPa. In the Winfrith UO_2/water experiments (Ref. 3.1.5-10), which can be considered to be lightly triggered, the explosive interactions were suppressed by a system pressure of 0.9 MPa. Therefore, a cutoff value of 1.0 MPa bounds the available experimental steam explosion results for water, and is a valid basis upon which to evaluate the potential for such phenomena in a PWR system. Although, as will be illustrated in the discussions on mixing and formation of a continuous slug, the same conclusions would be reached even if the cutoff pressure was considerably greater.

When the pressures predicted by both models and the experimental data are compared to the conditions typical of the various accident categories, only the large break LOCA sequences result in such reduced pressure levels.

Consequently, for those sequences in which the lowest primary system pressure is greater than this cutoff level, the probability of a steam explosion itself is insignificant and follows that the probability of reactor vessel failure and thus, containment failure, is also negligible.

Low System Pressures (Large Break Sequence)

For low pressures (less than 1.0 MPa) within the reactor coolant system, the potential of a steam explosion, given direct contact between molten core material and water, must be considered. This is based on the experimental evidence at these pressures, as well as the numerous events which have occurred in the foundry and paper industries. As discussed in WASH-1400, steam explosions have done extensive damage to light industrial structures and are a hazard to operating personnel. However, the information compiled with regards to these foundry explosions shows that the injuries to personnel resulted from hot molten metal dispersed by the explosive event, as opposed to the shock waves generated by the explosion. This suggests that steam explosions are a mild event compared to those associated with chemical detonations. This is in agreement with the measured wave propagation velocities which can be several thousand meters per second for chemical detonations, but have been mea-

sured to be of the order of 100 m/sec for steam explosions (Ref. 3.1.5-12).

Since the central issue of this evaluation is the damage potential represented by in-vessel steam explosions, one must evaluate the amounts of material which can come into contact and mix, on an intimate scale, prior to the onset of an explosive interaction. The calculations performed in WASH-1400 assumed that all the material within the core was instantaneously and intimately mixed with all the water in the lower plenum. Obviously this is not the case and, as discussed below, only very small fractions of this material can be mixed to provide an explosive interaction. Also the liquid-liquid film boiling mixing process itself makes the formation of a coherent overlying slug essentially impossible. These effects will be discussed individually beginning with the ability to trigger such an interaction within a reactor pressure vessel.

Both large and small scale experiments with high temperature molten metals and reactor materials have demonstrated that explosive interactions with water require an external trigger. It should be noted that the requirement for an external trigger with very high temperature materials (specifically when the interface contact temperature exceeds the thermodynamic critical point) was one conclusion of the nucleation formulation for the Henry-Fauske model. This effect was also demonstrated experimentally in Ref. 3.1.5-4. In many molten metal experiments, (Ref. 3.1.5-13 and Ref. 3.1.5-14), this trigger has been produced by the contact between the melt and the bottom of the vessel. Such a "trigger" provides a mechanism whereby the amount of material and the level of mixing both can be identified for a given system.

The mechanical energy available for mixing prior to the explosive interaction is that energy available in the gravity pour, or drop, of the material from the lower portion of the core to the bottom of the reactor vessel. It should be noted that this energy is directed such that the result is to continue and sustain the mixing process. However, as discussed earlier in this section, a PWR has a large number of instrument tubes and other structures below the core region. Consequently, any attempt to accumulate molten core material and have it flow into a water pool would only result in a pour into a configuration with intimately distributed solid walls, i.e. the support tubes. Therefore, only limited amounts of material could interpenetrate the water pool before it would contact a solid wall, thus promoting an interaction. Such behavior would be very incoherent and would be of negligible consequence to the reactor vessel or any of its internal structure.

Anticipated events for these low pressure conditions are discussed by the following text, relative to (1) the Trigger; (2) Intimate Mixing; (3) Pool Boilup (Slug Dispersal); (4) Rapid Liquid-Liquid Intimate Mixing; and (5) Impedance of Mixing by Energy Transfer.

1. <u>Trigger</u>

The time for pouring the material into the core support structure and the lower plenum becomes significant when considering how much

material would be available before the explosion is initiated. The large scale aluminum-water experiments conducted by Long (Ref. 3.1.5-13) and Hess and Brondyke (Ref. 3.1.5-14), have shown that large scale explosions are initiated when the melt contacts the bottom of the vessel. As discussed above, for a gravity pour, assuming all available flow area in the lower core support structure, this would correspond to a very short time interval between initiation of the pour and the onset of the explosion as initiated by trapping water against a solid wall. Consequently, the amount of material involved in the interaction would be a very limited fraction of the total core.

2. Mixing

The next subject to be addressed is the rate at which material can be intimately mixed before an explosion is initiated. The core support structure itself is a major barrier to any mixing between the core material and water. In this subsection, the immense energy requirements necessary to mix these materials on a very short time scale, as assumed in WASH-1400, will be evaluated.

The mixing energy required for an intimate dispersion has been evaluated by Cho, Fauske and Grolmes (Ref. 3.1.5-15), and the details of such an evaluation are included here as Appendix 3.4.1. These calculations reflect two different types of mixing processes, one in which the intimate dispersion is accomplished in a one-step process, and another in which it is postulated to occur with the minimum mixing energy, and termed progressive mixing. If it is postulated (for the sake of this argument) that the total core (about 100,000 kg) is instantaneously dropped into a water filled lower plenum, the mixing energy would be that available from a gravity drop, i.e., the change in potential energy is about 2 MJ. If the end state of the mixing process is assumed to be particle sizes of approximately 1 cm in diameter, as required for vessel failure in the WASH-1400 calculations, this mixing energy would require a time of 0.65 s for progressive mixing and 1.9 s for the one-step process for mixing the entire core. These mixing intervals are comparable to, or longer than, the melt-drop times used in WASH-1400. However, as will be seen, these times are also much longer than the characteristic times for vapor generation, due to film boiling alone, and to the "boil up" and dispersal of any overlying liquid pool. Therefore, there is insufficient energy associated with an assumed gravity drop of the entire core (in the absence of internal structures) to effect a rapid (millisecond time scale) and intimate mixing on the size scale modeled in the RSS, which ignored the necessity of such requirements.

3. Pool Boilup (Slug Dispersal)

As postulated in WASH-1400, the mixing and intimate dispersion progresses in the hypothetical open vessel configuration, while the hot and cold liquids are in liquid-liquid film boiling. Since the hot liquid is at a temperature (T_F) of approximately 2500°K, the

principle mode of energy transfer would be via radiation from the hot debris to the water. This energy transfer (q) can be expressed as

$$q = 4\pi r_p^2 \sigma (T_F^4 - T_f^4)$$

where r_p is the assumed particle radius, σ is the Stefan-Boltzmann constant, and T_f is the temperature of the water. The resulting energy transfer is calculated by the product of this radiation heat transfer and the number of particles involved. The particle number (N) is determined by a consideration of the total mass (m_T) involved in the interaction:

$$N = m_T/(\rho_F (4/3)\pi\ r_p^3)$$

where ρ_F is the density of the degraded core material.

For these low pressure sequences, the thermal energy in the below core structures, as well as the radiant energy from the degraded core, will ensure that the water in the lower plenum is essentially saturated. Consequently, any boiling (or vaporization) during the mixing phase will result in net vapor formation. This vapor will cause any overlying pool to "boil up", until the void fraction is sufficiently large to allow the vapor to be transmitted through the pool at a rate equal to its generation. The vapor production rate $\dot{m}_v$ is given by

$$\dot{m}_v = Nq/h_{fg} = \rho_g A_v U$$

Since the mass flow rate is a product of the vapor density (ρ_g), the area of the vessel (A_v), and the superficial vapor velocity (U) (this reflects the stability of the overlying pool), this latter term can then be evaluated from the expression:

$$U = \frac{3m_T\sigma\ \ (T_F{}^4 - T_f{}^4)}{\rho_g A_v \rho_F r_p h_{fg}}$$

If this superficial vapor velocity is tabulated for various particle sizes and system pressures, the results are as shown in Tables 3.1.5-5 and 3.1.5-6 for pressures of 0.1 and 1.0 MPa, respectively. These tables show the particle size, the number of particles, and superficial vapor velocity. In order to prevent pressurization of the pool, this amount of vapor must "slip" through any overlying slug. In order to allow this "slippage", the

overlying pool must "boil up" to a given void fraction. The relationship between the superficial velocity and the void fraction (α) has been represented by Zuber (Ref. 3.1.5-16) as

$$U = 1.53 \left(\frac{g\sigma}{\rho_f}\right)^{1/4} \left(\frac{\alpha}{1 - \alpha}\right)$$

The resultant pool void fractions are listed in Tables 3.1.5-5 and 3.1.5-6 and it is obvious that a continuous overlying liquid slug could not exist in the presence of this vapor flow, as demonstrated by the high void fractions required to transmit the imposed vapor flow. In fact, for the superficial velocities characteristic of the amount of material and particle sizes discussed in WASH-1400, the core debris itself would be levitated. This is in agreement with Long's experiments (Ref. 3.1.5-13) in which explosions were not observed for water temperature exceeding 60°C, i.e., the net vapor formation could have been sufficient to disperse either the water, the aluminum, or both. In addition, Long also observed that breaking up the molten aluminum stream before it entered the water prevented explosions (probably the result of a larger film boiling heat transfer due to increased surface area).

If vapor "slippage" is assumed not to occur, then the pool must pressurize. A lower bound of the pressurization rate can be calculated by assuming all the energy transferred is uniformly distributed in the water and the pressure is the saturation value corresponding to the average pool temperature. The temperature rise rate of the liquid resulting from the film boiling energy transfer and the corresponding rise in the saturation pressure of the water are also shown as a function of the particle size in Tables 3.1.5-5 and 3.1.5-6. These calculations were carried out for an equal volume mixture of core debris and water; the salient conclusion is that small particle sizes would rapidly generate sufficient pressure to quickly separate the high temperature degraded core material and the water if the vapor is not allowed to escape. Thus, large quantities of high temperature core material cannot penetrate the water and intermix in a film boiling mode. If the vapor is not dispersed, then the pool would begin to pressurize from within, which would disperse the pool, terminate the energy transfer, and destroy any coherent slug. As mentioned, a lower bound on the pressurization rate $\left(\frac{dP}{dt}\right)$ is given by assuming all the energy transferred uniformly increases the sensible heat of the water. An upper bound on such a rate can be calculated by assuming the energy transferred equals the vaporization rate and the vapor volume remains constant, which is a rate given by

$$\frac{dP}{dt} = \frac{3pm_T\sigma(T_F^4 - T_f^4)}{r_p\rho_F m_v h_{fg}}$$

where m_v is the instantaneous mass of vapor.

also given in Tables 3.1.5-5 and 3.1.5-6. The differences between the minimum and maximum pressurization rates are large and are only meant as general bounds for the assumed behavior. The conclusion from both rates is that pressurization of the mixture due to film boiling alone would disperse the constituents and stop the mixing if the vapor were not allowed to "slip" through the pool.

It should be noted in evaluating the minimum and maximum pressurization rates that since water has a relatively low thermal conductivity, the energy cannot be readily distributed throughout the water. The amount which can be conducted away from the available steam-water interfaces can be estimated by the error function solution where the constant surface temperature (T_i) is assumed to be 300°C (saturation pressure of 8.6 MPa). This overestimates the energy transfer into the water. The energy transferred into the water (Q) at any given time (θ) is:

$$Q = 2k_f A\ (T_i - T_o)\ \left(\frac{\theta}{\pi\alpha_f}\right)^{1/2}$$

where k_f and α_f are the thermal conductivity and thermal diffusivity of water respectively. The surface area is given by:

$$A = N(4\pi r_p^2)$$

Using a 1 cm radius particle as a reference size, the energy transferred into the water in a time interval of one second is about 1600 MJ, as compared to 8800 MJ transferred from the hot particles via thermal radiation. Thus, the actual pressurization rate would be much closer to the maximum pressure rise rate than the minimum value.

Therefore, in a slowly developing dispersion (time scale of 1 sec or longer), the vapor throughput would be substantial and preclude the formation of a continuous overlying liquid slug. If the vapor is assumed to be retained in the pool, the pressurization rate would be sufficient to disperse the pool in a time scale much less than the mixing time, hence no slug formation would occur. Without the continuous slug formation, the only pressure imposed on the vessel is that due to the explosion itself, which experiments have shown to be a few MPa typically (Ref. 3.1.5-17), and could conceivably be as high as 10 MPa. However, such pressure levels do not even threaten the integrity of the reactor vessel (see Figure 3.1.5-3), let alone the containment structure.

4. Rapid Liquid-Liquid Intimate Mixing

The only mechanism which could even be postulated for overcoming these large vapor fluxes is a very rapid intimate mixing of these materials under very high sustained pressures. In this hypothetical

configuration, the mixing would be forced into a liquid-liquid configuration, which is the specific configuration addressed by the authors in Ref. 3.1.5-15. To achieve such mixing requires enormous amounts of energy and is clearly illustrated by the tabulated results in Table 3.1.5-7. In this calculation, the core debris was assumed to mix on a very short time scale. These calculations were carried out for both the one-step process and the progressive mixing process. The mechanical work was taken to be 1 percent of the thermal energy within the melt, which is the highest efficiency measured in the large scale experiments reported in Ref. 3.1.5-17. In this tabulation, the mixing energy is compared to the mechanical work released in this postulated event and, as illustrated, the mechanical work is itself much less than the mixing energy required to intimately disperse one material throughout the other, i.e., the mixing necessary for the event would require a "trigger" far greater than the explosive interaction itself. (This calculation assumes that such large systems could be intermixed and interacted, which as illustrated by the pool dispersal calculations, is essentially impossible. Such a conservatism is used for illustration only and must be continually kept in mind when viewing the comparisons.) This represents an unachieveable state for a self-sustaining propagating interaction. However, even this calculation overlooks one very essential physical feature of an intermixing process in which materials at greatly different temperatures are assumed to be rapidly interdispersed within each other: the heat transfer is assumed to not impede the mixing process.

5. Impedance of Mixing by Energy Transfer

As a material at very high temperature is forced into water at a high speed (rapid intimate mixing), the energy transfer occurs first on that face of the particle which initially contacts the water. This initial energy transfer rate is extremely high and, in the normal case, promotes the rapid formation of a stable vapor film. However, to achieve the single-phase state discussed above, which is required to prevent the pool from dispersing, this stable vapor film must be suppressed. If this is suppressed, then the surface will experience rapid, subcooled nucleate boiling, and the heat flux resulting from such a state would be enormous. The energy transferred to the coolant is stored in the liquid as an increase in the sensible heat. However, the temperature rise at the interface is also accompanied by a corresponding rise in the saturation pressure, which is also the pressure acting on the surface of the particle as it attempts to move through the water. This local pressurization is directed to impede the mixing process by slowing down the hot fragments. This type of transient behavior was observed by both Walford (Ref. 3.1.5-18) and Stevens and Witte (Ref. 3.1.5-19) in their convective film boiling experiments, in which the sphere was rapidly driven through subcooled water. In these experiments, explosive vaporization from the leading surface of the particle was observed for specific conditions. This vaporization occurred as the particle penetrated the vapor film ahead of the leading surface. In this regime, Walford estimated that the local heat fluxes could

achieve values approaching 170 megawatts per square meter, and when the experiment was conducted in a darkened room, it could be seen that the leading surface of the sphere was clearly much cooler than the trailing surface. The local pressure generated upon contact can be estimated by the saturation pressure corresponding to the interface contact temperature (T_i) given by

$$T_i = \frac{T_F + T_f \left[\frac{k_f \rho_f c_f}{k_F \rho_F c_F}\right]^{1/2}}{1 + \left[\frac{k_f \rho_f c_f}{k_F \rho_F c_F}\right]^{1/2}}$$

where T_F is the initial temperature of the degraded core material, T_f is the water temperature and k, ρ, and c are the thermal conductivities, densities, and specific heats of the water (f subscript) and the core material (F subscript).

For the high temperature melts considered in these postulated events, the resulting pressure would be supercritical. As a result of these experiments and others relating to rapid nucleate boiling, it is evident that a hot particle attempting to rapidly penetrate through a cold medium would achieve a self-limiting condition, i.e. if a rapid relative velocity is initiated, the pressure at the interface upon contact acts to slow down the particle and perhaps even reverse its movement. Therefore, rapid energy exchange itself, which is vectored opposite to the intermixing, would act to limit the rate of penetration of the two media. This particular aspect of the intermixing process has been neglected by the various models proposed in the literature in which a fine interdispersion is assumed to preexist and further fragmentation and intermixing is not opposed by any forces resulting from energy transfer between the hot and cold liquids. Clearly, this is a major shortcoming of such models in their attempt to represent the physics of the explosion process itself. The criticism is particularly valid for the steam explosion formulation in WASH-1400, since both intimate dispersion and fine scale fragmentation were assumed to exist, and were achievable instantaneously in the calculational model.

As a result of the above discussions, a picture of an actual process for a steam explosion in a low pressure system is one in which slow intermixing, via liquid-liquid film boiling, is developed over an extended time period with limited quantities of materials involved. Therefore, while an explosive interaction could potentially occur for such sequences, the amounts of materials involved are severely limited and the resulting explosive energy is far less than that represented in WASH-1400. In addition, no continuous overlying slug could develop and the pressures experienced within the vessel as a result of the interaction would be less than the nominal operating pressure.

3.1.5.5 Conclusions with Respect to In-Vessel Steam Explosions

Given the total evaluation of the steam explosion phenomenology, as applied to in-vessel events for pressurized water reactors, the following conclusions can be made.

a) The formulation provided in WASH-1400 is an overly simplistic and highly conservative representation when viewed in terms of the current state-of-knowledge for steam explosions.

b) Prior experiences in small test reactors have related solely to configuration of a preexisting intimate dispersion of fuel and water in a cold condition, as well as a preexisting continuous, overlying liquid slug. Reactions were then initiated by a strong reactivity ramp induced by the rapid withdrawal of a single control rod. This is a fundamentally different condition than a totally separated system at greatly different temperatures which is assumed to mix and interact in this state. Consequently, these previous systems are irrelevant for the particular conditions being addressed.

c) Previous analyses have ignored the above and below-core structures in their formulations. As discussed, these structures have a major role in determining where, when, and how much material is distributed throughout the core region as well as the lower plenum. In addition, these structures would play a major role in the movement of any assumed continuous, overlying liquid slug through the vessel itself.

   In essence, these structures would prevent mixing and would not allow

   - Catastrophic collapse;
   - Formation of a continuous overlaying slug;
   - Transmission of a continuous overlaying slug upward through the vessel in a piston-like fashion.

d) An evaluation of the experimental data available for systems at elevated pressures shows that explosive interactions can be suppressed by elevated system pressures in many of the accident sequences of interest for PWR accident analyses. In these high pressure sequences, the potential for a steam explosion itself is insignificant, thus there is no threat to the containment integrity.

e) Evaluations of the available trigger, mixing process, and intimate dispersion phenomena, show that the available models which assume a preexisting intimate dispersion and resulting fragmentation with mixing on a rapid scale have either assumed away or misrepresented the physical processes involved in attempts to rapidly interdisperse one liquid into another in the presence of strong temperature differences.

f) The failure mechanism in WASH-1400 was the formation and transmission of a liquid-like slug. However, an evaluation of the potential for such a slug formation shows that it could not be formed because of

   i. The availability of lower plenum region structures

   ii. The preclusion of continuous slug formation (because of the intimate dispersion necessary for an explosive interaction).

   Hence, even for accident scenarios in PWR systems which result in low pressure systems, where steam explosions are possible, the slug impact failure mechanism is not a credible physical process.

The above conclusions, added together, show that a steam explosion within the vessel does not provide a threat to the integrity of the reactor vessel or any of its components. Table 3.1.5-1 compares the sequence of events envisioned in the WASH-1400 model and the actual conditions in PWRs. This comparison shows that each and every element of the model represents a physically unachievable state. Consequently, such a mechanism does not provide a threat to the integrity of the reactor vessel. Thus, no threat to the containment building exists from in-vessel steam explosions.

3.1.6 In-Vessel Steam Spike

In-vessel steam spikes could occur when overheated core debris and water come into contact on a global scale and are thus a phenomenon of potential interest in degraded core evaluations. Historically, it has been postulated that such spikes might result in equipment failures, such as steam generator tube failures. This section evaluates the potential for large pressure rises within the vessel, and concludes that such mechanisms do not pose a threat to the primary system.

The difference between a steam spike and a steam explosion is the time frame during which the steam is generated. In a steam explosion, steam is generated on a time scale shorter than the acoustic relief time of the exploding mixture, and consequently a shock wave is generated of sufficient magnitude to be of concern in light industrial buildings such as foundaries, etc. (Ref 3.1.6-1). A steam spike involves the vapor generation on a time scale which is considerably longer than the acoustic relaxation time of the system. Consequently, no shock wave is generated by this process; but depending upon whether the specific system in question is enclosed or confined, significant pressures could potentially be developed if the steam generation rate substantially exceeds the energy removal rate from the primary system. Such evaluations of the steam generation rate are considered in the analyses for degraded core events within the primary system (in-vessel), as well as an evaluation of containment loadings following the postulated release of molten core material into the containment environment (this later event will be considered in the ex-vessel evaluations).

When considering the direct contact between a degraded, overheated core and water within the primary system, the principle features of interest are the mass and temperature of the degraded core material, the mass of water available, and the available heat sinks and/or relief paths within the primary system as dictated by a particular accident sequence. Depending upon the sequence in question, the heat sinks may include heat removal through the steam generators, or they may be limited to the static heat sinks represented by the steel in the primary system and the water which would be retained in low points of the piping (such as the pump intake lines, etc.). For an in-vessel steam spike, a principle method of relieving the steam generated is through the primary system safety and relief valves located on the pressurizer. For the units considered herein, the pressurizer is equipped with 3 safety valves with a pressure set point of 17.2 MPa (2500 psi). Each valve has a capacity of 51.5 kg/sec (408,000 lb mass per hour) of saturated steam at this pressure (Ref. 3.1.1-1). In addition, the pressurizer is equipped with 2 power operated relief valves having pressure set points of 16.2 MPa (2350 psi) and a capability of 22.6 kg/sec (179,000 lb mass per hour) of saturated steam per valve at the opening pressure. This represents a removal rate from the primary system of 300 megawatts at the opening pressure, i.e., more than ten times the decay power typical of postulated core melt conditions for the transients discussed above. Because of this significant venting capability from the primary system, a mechanistic representation of the vaporization rate is an essential part of a steam spike evaluation.

As discussed above, a steam pressurization could arise when water is intermixed with overheated core material. This can be conceived as occurring in at least two different manners, both of which will be analyzed herein. In the first process, the debris can be considered to collapse and collect on the top of the flow diffuser plate. As core degradation progresses, at some point the plate weakens, fails and allows the core debris to fall into the lower plenum, where it contacts and intermixes with the remaining water. Such a sequence is similar to the in-vessel steam explosion scenario considered in WASH-1400. This type of sequence will be evaluated as a "free contacting" (FC) mode as opposed to a "forced injection" (FI) mode. As implied by the title, this second mode is one wherein the water and degraded core material are forcefully intermixed. Possible means of establishing an FI mode are the startup of a high pressure injection pump(s) or the start of a reactor coolant pump such as occurred in the TMI-2 accident (Ref. 3.1.1-20).

3.1.6.1 Free Contacting Mode

The below-core structure, which is illustrated in Fig. 3.1.5-5, is comprised of essentially three plates, in-core instrument tubes, and core support rods which protect against a hypothetical drop of the core internals. Of the three plates, the bottom-most structure is the thickest (approximately 8 in.) and is fabricated with large holes for the in-core instrument tubes and coolant flow. In particular, the central region is a large hole, about 1 ft. in diameter, which would not provide any substantial hold-up of core material i.e., degraded and/or molten material would penetrate through these holes to the bottom of the vessel. The same is true for the middle plate, which is the flow diffuser and much thinner. Only the upper plate, which is thin and has the central hole plugged since it supports the assemblies, has any potential for substantial hold-up in these postulated core melt sequences.

This is important in evaluating the various accident progressions since it shows that even in the event of a badly degraded core, catastrophic failure of the core support, instantaneous fragmentation, and intimate mixing between the core material and water does not occur. Rather, if any substantial hold-up is obtained (and this would be limited as will be discussed below), failure of the upper most plate would result in a flow of the melt into the lower plenum. This is a rate process determined by gravity induced flow and can be estimated in terms of the time required to transfer the degraded core material to the lower plenum.

To carry out such calculations, it is necessary to consider different ways in which accumulation can occur and then be released to the lower plenum. One mechanism for local blockages, and thus localized accumulation, is the silver control rod material in this particular PWR design. Once the stainless steel sheaths of the control rods are heated to temperatures approaching melting (~1500°C) and considerable oxidation occurs, the silver/indium/cadmium (melting temperature of about 816°C) could be released. (Because of these low temperatures, this material could be released from its sheath before any fuel material achieved molten conditions.) In the absence of levitating hydrodynamic forces,

this low melting point material would flow down and freeze in the lower regions of the core, thus forming a blockage. This blockage mechanism could be postulated to be over the entire bottom of the core as illustrated in Figure 3.1.6-1 and would be heated from within by the intact fuel in the bottom of the core. If the decay power is assumed to be 1 percent of nominal for the sake of calculation, the temperature rise of the silver would be about 0.6°C/sec which suggests that if the silver alloy is quenched to a temperature corresponding to saturation (assumed to be 200°C), it could reheat (in the absence of any continued heat removal) to the melting point in about 17 minutes. This time is shorter than the time required for melting to progress throughout the core at this decay power level. This postulated mechanism, which is a likely candidate to produce a substantial temporary blockage, would progress in the radial direction on a time scale which is long compared to the lifetime of the initial blockage formation that occurred in the central region of the core. Since much of the material would be unmelted, these considerations limit the amount of material that could participate in an in-vessel "steam spike", and thereby limit the total amount of energy released in such an event. In addition, one can also estimate the rate at which core material would be released into the lower plenum, via this mechanism.

Once the initial blockage is melted, the remainder of the core material could be transported through the breach, and in the process, it could ablate away additional parts of the blockage. The driving potential (ΔP) for the material flow would come from the static head of the material itself, calculated as

$$\Delta P = \rho_F g y$$

where y is the depth of the accumulated molten debris, g is the acceleration of gravity, and ρ_F is the density of the degraded core material. With this driving force, the velocity (U) through the breach at any point in time is given by

$$U = (2gy)^{1/2}$$

As will be discussed in more detail in Section 3.1.7, this velocity can be related to a convective heat transfer coefficient (h) by

$$h = 0.0025\ \rho_F c_F U$$

where c_F is the specific heat of the core material. The ablative heat flux (q/A) from the flowing molten debris to the silver is

$$q/A = h(T_F - T_{F,m}) = 0.0025\ \rho_F c_F U(T_F - T_{F,m})$$

In this expression, T_F is the temperature of the degraded core material and $T_{F,m}$ is its melting point. This heat flux would be transmitted to the silver and cause the silver to melt with an ablation rate given by

$$\frac{dr}{dt} = \frac{h(T_F - T_{F,m})}{\rho_{Ag}\left[c_{Ag}(T_{Ag,m} - T_{Ag}) + \gamma_{Ag}\right]}$$

where ρ_{Ag} is the density of the silver, c_{Ag} its specific heat, $T_{Ag,m}$ the silver melting point, and T_{Ag} the temperature of the silver before ablation begins. The term γ_{Ag} represents the latent heat of fusion for silver and, can generally be ignored with respect to the sensible heat increase in these calculations.

The instantaneous area through which the core material drains is a function of the initial failure sizes (assumed to be one fuel assembly for these descriptive calculations) and the integrated ablation behavior; this can be expressed by

$$A_1 = \pi r^2 = \pi\left[r_o + \int_o^t \left(\frac{dr}{dt}\right) dt\right]^2$$

As material drains through the hole, the static head of the core debris would decrease as given by

$$\dot{m} = \rho_F A_1 \ (2gy)^{1/2} = - \rho_F A_c \frac{dy}{dt}$$

where A_c is the cross-sectional area of the accumulated debris.

In these formulations, by assuming an initial failure size and a core debris temperature (herein taken to be 100°C above the melting point), the rate of drainage can be calculated using the above formulations. For example, the initial amount of core material involved is taken as 100,000 kg, the drainage rate and quantity are shown as a function of time in Figure 3.1.6-2. The salient feature of this calculation is that it takes approximately 60 seconds for the degraded core material to drain into the lower plenum. This is a short interval in comparison to the time required to develop substantial quantities of molten material, but much longer than the time to transport material to the lower plenum. Therefore, the time to melt through a postulated blockage and to drain the material are much shorter than the time required to generate the molten debris. Such calculations demonstrate that the actual behavior for such postulated events is a very noncoherent and slow process for delivering such material to the lower plenum. Thus, an instantaneous contact and intermixing of core material would not occur.

Another aspect of the drainage calculation is that the drainage time is very long compared to the time required to either displace the water up into the downcomer, or set up hydrodynamic conditions which could then govern the quenching process (i.e., critical heat flux conditions), which, as will subsequently be discussed, is a much smaller steam

generation rate than can be relieved through the safety valves. These hydrodynamic effects are typically established in the time scale of a few seconds or less. Thus, the water would not be available in the lower plenum over the melt drainage interval to interact with the core material on a time scale sufficiently rapid to generate a significant in-vessel "steam spike". A significant steam spike would be one capable of pressurizing the primary system to levels significantly above the relief valve setpoint.

The above evaluation is based upon a melt-through and subsequent drainage of a lower blockage. Another mechanism for consideration would assume that the silver alloy melts and drains before substantial material accumulation occurs. The uppermost plate would weaken in the central region first, because this is where the degradation and melting would first occur. In addition, it has the least support in this region. If it is assumed that this plate fails, the material would drain to the middle plate, which has a 30 cm diameter hole in the center, as does the very thick, bottom most plate. This hole is too large to be plugged by the molten debris, but it could be considered as the available port which would govern the material discharge rate into the lower plenum. Since this hole has a 30 cm diameter, such a drainage rate would be essentially the same as that evaluated for the meltout of a silver alloy plug. Consequently, this failure mechanism would result in the same conclusions discussed above.

The applicability of a critical heat flux criterion, which actually represents the hydrodynamic stability of the overlying water, can be illustrated with the molten stainless steel and uranium dioxide experiments reported in Ref. 3.1.3-2. These are the same tests discussed in subsection 3.1.3 with respect to additional hydrogen generation as a result of clad and steel reactions with water in the lower plenum. To provide this comparison, a simple pressurization model based upon a CHF limitation, is described below.

Consider a system as shown in Fig. 3.1.3-2 where the overheated core debris is submerged in water, and as a result, is undergoing a rapid quench. The pool boiling CHF limitation for a saturated liquid is based upon the hydrodynamic limitation presented by upward flowing vapor impeding the downward flow of liquid. If the flow of vapor (steam) exceeds the limit, the liquid (water) supplied to the surface of the debris is decreased below that required to remove heat by vaporization. This will result in a decrease in the vaporization rate which increases the supply of water to the surface; hence, it is a self-limiting process. As such, this formulation can be used to represent the maximum rate at which vapor can be transported through the overlying liquid and deposited in the gas space above the water. This vaporization rate (q) for pool boiling in a saturated system can be expressed by (Ref. 3.1.1-21)

$$q = 0.14\, A_v\, h_{fg}\, (\rho_g)^{1/2} \left(g\sigma(\rho_f - \rho_g)\right)^{1/4}$$

where A_v is the cross-sectional area of the vessel and σ is the liquid-vapor surface tension.

For these conditions, the gaseous volume in the reactor core would contain both steam and hydrogen, but for simplicity in this illustrative model, we will assume the volume to only contain steam for both the reactor system calculations and the experiments as well. If no relief paths are available (the experiments described in Ref. 3.1.3-2 were conducted in closed vessels), the gaseous volume (V) would be almost constant, or

$$dV = 0 = v_g \dot{m}_g + m_g \left(\frac{dv_g}{dP}\right)\left(\frac{dP}{dt}\right)$$

where the mass generation rate for steam ($\dot{m}_g$) is equal to

$$\dot{m}_g = q/h_{fg}$$

and the instantaneous mass of steam (m_g) is equal to

$$m_g = V\rho_g$$

Since this is only an illustrative calculation, assume that steam can be represented as a perfect gas and that the compression process is isothermal:

$$v_g = \frac{RT}{P}; \qquad \frac{dv_g}{dP} = -\frac{v_g}{P}$$

With these approximations, the pressurization rate can be expressed as

$$\frac{dP}{dt} = \frac{\dot{m}_g P}{m_g} = \frac{0.14\ A_v P(\rho_g)^{1/2}\left(g\sigma(\rho_f - \rho_g)\right)^{1/4}}{V\rho_g}$$

or if the water density is much greater than that of the steam ($\rho_f >> \rho_g$), this can be simply given as

$$\frac{dP}{dt} = C\ (P)^{1/2}$$

where C is a constant given by

$$C = \frac{0.14\ A_v\ (RT)^{1/2}\ (g\sigma\rho_f)^{1/4}}{V}$$

Integrating the expression for pressure yields

$$2\left[(P_2)^{1/2} - P_1\right] = C*t$$

where t is the time since the initiation of quenching and cannot exceed the time required to quench the debris involved.

As discussed in Section 3.1.3, the experiments in Ref. 3.1.3-2 were carried out in two different vessels, at various pressures, and with different melt materials. In addition, they were carried out with substantial subcooling in the water pool. The subcooling is a very important test parameter since this governs the rate of quenching. As discussed with respect to heat transfer limited particle fragmentation, bulk subcooling of the water has a major influence on the critical heat flux limit. In Section 3.1.3, the correlation proposed by Ivey and Morris (Ref. 3.1.3-3) was used to represent the maximum heat transfer rate, and this expression is repeated below for convenience:

$$q/A)_{CHF,sub} = \left[1 + 0.1\,(\rho_g/\rho_\ell)^{1/4}\left(\frac{c_\ell \rho_\ell \Delta T_{sub}}{h_{fg}\rho_g}\right)\right] q/A)_{CHF,sat}$$

This describes the maximum rate per unit area at which thermal energy can be extracted from the debris. If this is multiplied by the area of the vessel, the maximum quenching rate would be obtained. As illustrated in Fig. 3.1.3-2, this represents a limitation at the top of the accumulated debris.

When the water above the debris is subcooled, steam leaving the debris can be either condensed in the water pool or transmitted through the pool into the gaseous space above. In general, some fraction of the steam will be condensed and some will be transmitted through the pool; the magnitude of the steam condensed depends on the extent of pool subcooling. However, since the saturated critical heat flux criterion represents the counterflow hydrodynamic stability limit, the rate at which steam is transmitted upward to the gaseous volume cannot exceed the rate given by the saturated CHF value. This is also schematically represented in Fig. 3.1.3-2, and should be noted that the transmittal rate (throughput) could be less than this value, but not greater. The difference between that which is leaving the upper surface of the debris and that leaving the water pool is condensing in the water and thus increasing the sensible heat.

With the formulation for the subcooled critical heat flux, the rate of quenching can be calculated, and using the saturated CHF formulation to represent the steam throughput, the pressure history in the test vessel can be calculated. The resulting pressurization of the gaseous space influences the subcooled CHF quenching rate and must be accounted for in the analysis. Given these models, quenching rate characteristics can be calculated for the experiments delineated in Ref. 3.1.3-2.

The smaller vessel, used to obtain fuel-coolant volume ratios indicative of hypothetical PWR accident conditions, has two characteristic diameters, and thus does not lend itself to a straightforward interpretation as do the large vessel tests, since the CHF evaluations could be based on either one or both cross-sectional areas. For the large vessel tests, pressure-time histories are given for two different tests with molten stainless steel poured into water, and one test for molten uranium dioxide into water. Figures 3.1.6-3 and 3.1.6-4 show comparisons

of the CHF model and the measured pressure-time histories for a stainless steel water experiment and a uranium dioxide-water test, respectively. As illustrated in these comparisons, this simplified model predicts both a faster quenching rate and a greater pressure in the vessel as a result of the quench. Undoubtedly, a major reason for overpredicting the pressure is that the model does not include condensation on the vessel walls as the pressure and temperature increase in the steam space. However, the model does provide a conservative estimate of the steam space pressurization as a result of a free contact mode of interaction. Consequently, it provides an evaluation model wherein the resulting implications for a free contact type of interaction can be estimated for a reactor system.

Rapid steam formation in a postulated accident scenario for the reactor coolant primary system only presents a concern of equipment damage if the steaming rate exceeds the venting capacity of the pressurizer safety valves. At the valve set pressure (~17 MPa), the saturated CHF heat flux is 2650 kw/m^2 and with the available cross-sectional area of about 16.4 m^2, the steaming rate into the gaseous volume would be approximately 43.5 Mw. As discussed in the first part of this section, the relief capacity of one safety valve is 44.1 Mw, i.e. even with this conservative model for the steam production, one safety valve is sufficient to relieve the steam generated and prevent overpressurization of the primary system.

In summary, evaluations of potential debris-water interactions for the "free contacting" mode reveal that these occur neither in a coherent manner nor on a rapid time scale. Therefore, the assumption of catastrophic failure of all core support, total core involvement, rapid fine fragmentation of the molten debris, and intimate dispersal throughout the water with the coolant remaining in place, is not representative of an identifiable set of physical processes. This conclusion applies individually to the catastrophic failure, the total core involvement, the fine fragmentation (which requires the water to remain in the lower plenum) and for the intimate mixing of the core material. However, even in the presence of such a coherent drop of material into the lower plenum, the steaming rate would be less than that which could be relieved through a single safety valve.

3.1.6.2 Forced Injection Mode

As previously discussed, a steam spike could arise when water is intermixed with a degraded, overheated core. Such conditions were created during the TMI-2 accident at the time when the reactor coolant pump 2-B was started, which occurred at 2 hours, 54 minutes, and nine seconds into the accident (Ref. 3.1.1-20). At this point in time, the core was overheated considerably as a result of being uncovered for approximately 1 hour, and the start of this coolant pump, which appears to have approached full flow conditions in less than 3 seconds, forcefully injected substantial quantities of water into the overheated core. The resulting pressure rise from this injection is shown in Figure 3.1.6-5.

At this point in time, the free volume in the primary system (that volume occupied by the steam/hydrogen mixture) was approximately 170 cu. meters (6,000 cu. ft.), and the "B-loop" steam generator was isolated while the "A-loop" Once Through Steam Generator (OTSG) was steaming to ambient. As a result of this injection, the pressure in the "B-loop" OTSG rises rapidly because 1) it was isolated and, 2) because flow was established through this unit since a "B-loop" pump was started. From the rate-of-rise in the primary system and the "B-loop" OTSG, one can estimate the rate at which energy was extracted from the overheated core in the form of rapid steam generation. Such an evaluation utilizing the parameters listed above, yields an extraction rate of approximately 250 Mw, which is less than the relief capacity for the safety relief valves discussed previously.

It is interesting to compare this energy extraction rate with a mechanism of a critical heat flux limitation based upon the core cross-sectional area, i.e., a configuration such as that shown in Figure 3.1.6-6, wherein the core degradation is principally in the central region of the core (as a result of the higher power generation in this region), and the major effect of water injection is to rapidly surround the damaged portion of the core. Assuming that the coolant can penetrate into the degraded areas, the energy extraction rate would be limited by the hydrodynamic limitations of the coolant, i.e., the saturated critical heat flux discussed with respect to the free contacting interaction mode.

As illustrated in Figure 3.1.1-4, this heat flux reaches a maximum value at about 7.0 MPa (1015 psia) and decreases somewhat as the pressure increases. Consequently, as additional vapor is formed and the pressure rises within the primary system, the energy extraction rate would decrease. Figure 3.1.6-5 illustrates a comparison of this CHF mechanism with the measured pressure rise rate within the TMI-2 primary system. (This prediction has ignored the energy extracted in the isolated "B-loop" OTSG.) As illustrated in the figure, the model, which is based on the cross-sectional area of the core, underestimates the rate of pressure rise, which is the expected deviation since there was actually more surface area available for energy transfer than the cross-sectional area of the core itself. In addition, the model does not account for energy being extracted from overheated but intact fuel rods which provide substantial surface area for energy removed at the initial water entry. However, even in light of these assumptions, the model still provides a reasonable characterization of the observed behavior.

As illustrated in Figure 3.1.6-6, the degraded core zone can present a larger area than the cross section inside the core barrel (πr^2). One possible variation is to assume that the debris presents a hemispherical surface for cooling by the water, in which case the available area for heat removal would be $2\pi r^2$. The resultant pressure rise for the TMI-2 primary system, assuming this area is also shown in Figure 3.1.6-5, shows that this results in a more rapid pressure rise than was observed. Consequently, the two different surface areas used in the analysis bracket the measured behavior of the TMI-2 pump start.

Utilization of a simple approach, as outlined above, provides the analyst with a convenient tool for modeling primary system responses to such postulated events and the sensitivities of such behavior to variations in the accident sequence, as well as in the analytical models themselves. The experience at TMI-2 provides significant insight into the response of the primary system given the forced intermixing generated by starting a reactor coolant pump. There are three aspects of this forced injection which bear particular note.

1. Since the water is forcefully injected into the overheated, degraded core and subsequently intermixes on a rapid time scale because of the forced injection, the thermal interaction rate would be maximized.

2. Forced injection, particularly from a large source such as a reactor coolant pump (typical kinetic energy output of 7 megawatts), would promote fragmentation and would tend to maximize the energy interaction rate.

3. The start of a reactor coolant pump forces water into the lower plenum of the reactor vessel and upward through the core. As a result of this flow path, and the flow distribution plate in the bottom of the reactor core, the water essentially encompasses 100 percent of the core region, regardless of its degraded state. Therefore, this type of forced injection automatically involves 100 percent of the overheated core in a very short time.

In summary, the above discussion of a "steam spike initiator" is directed at the specific chain of events occurring at TMI, and it is suggested that this represents the most dynamic and energetic means of producing such an interaction, given the various options that an operator may have within the primary system. It therefore provides experience on a full scale system regarding the ability to extract energy from an overheated core and the resulting pressure changes within the primary system.

When considering the totality of sequences associated with these hypothetical accident considerations, the restart of a reactor coolant pump in a transient where all AC power has been lost for a period of time, could be considered a likely event once power has been restored. Consequently, given the postulated accident sequence, this represents a means whereby such a "steam spike" could occur, and in our engineering judgment, it also represents the most dynamic manner in which the coolant could be intermixed with the degraded core state on a large scale. If this behavior is analyzed for the conditions of a primary system pressure of 16 MPa (2350 psia) and an average core temperature of 2500°C, the resulting primary system pressurization would be that shown in Figure 3.1.6-7. In this calculation, the steam generators have been assumed to be boiled dry. The steam volume in the primary system at the start of the thermal interaction is 184 cu. meters (6500 cu. ft.) and the 3 safety valves in the pressurizer are functioning with the flow

rate (W) through each valve being proportional to the pressure in the primary system (P_o) as approximated by the isothermal critical flow expression:

$$W = A_t \eta P_o/(RT)^{1/2}$$

In this equation, A_t is the valve throat area, η is the critical pressure ratio (0.6 for the isothermal process assumed), R is the gas constant for the steam/hydrogen mixture, and T is the gas temperature.

These calculations show that an exchange of thermal energy between the core material and the water coolant does not result in a vaporization rate which exceeds the capacity of the pressurizer safety valves. Therefore, while "steam spikes" may have a role in the ultimate fuel distribution and the rate of progression or regression for these postulated accident scenarios, they do not present a mechanism for substantial overpressurization of the primary system.

3.1.7 Vessel Failure Mechanism

For the postulated severe accident sequences in which a degraded core continues to melt and progresses to a point wherein the core material either "slumps" or is discharged into the lower plenum, the potential exists for thermal attack of the reactor vessel steel by the high temperature, degraded core material. The lower plenum region contains several different structural components which would experience this attack, including the reactor vessel wall, the lower core support structure, the supports for the in-core instrument penetrations, and the lower structure which guards against a hypothetical drop of the reactor internals. All of these components would experience thermal attack, but only the reactor vessel wall and the penetrations would be of concern for evaluating the time, location and size of the reactor vessel failure for these postulated, severe accident sequences. In this section, the thermal attack of the reactor vessel steel and the penetration welds (the expected failure mode) by the discharge of degraded core material into the lower plenum will be evaluated. Following this, the rate at which the core material would be discharged from the reactor vessel will be evaluated in terms of the pertinent thermal ablation process involved.

As the material migrates to the lower plenum, the water will either be vaporized or displaced by the debris. If the degraded material is held up on the core support structure until it collapses and then pours into the plenum as a molten stream, the water would undergo limited vaporization and would be driven up either the downcomer annulus or pushed up into the outer radial core zones. Extensive fragmentation would not occur, as discussed in Section 3.1.3, since a finely fragmented melt with all particles surrounded by water far exceeds the stability limit for the water, i.e. modeled as a CHF limitation. As a result, the molten debris would penetrate directly to the bottom of the plenum where it could accumulate and begin to thermally attack the steel surfaces in this locale. The water could continue to vaporize off the upper surface of the debris pool, but this would not substantially affect the rate of attack of the vessel wall and the penetrations.

3.1.7.1 Vessel Failure Mode

With an accumulation of degraded core material in the bottom hemispherical head of the reactor vessel, and the lack of sufficient water to cool this material, the core debris will eventually attack the stainless steel cladding and the steel vessel wall. This attack has been treated in various code formulations (e.g., the MARCH code), and to date these have generally considered a catastrophic, creep rupture failure of the reactor vessel head caused by an accumulation of the total amount of core debris which was assumed to attack the lower head uniformly. As a result of this formulation, the vessel failure (breach) considered was equivalent to the entire hemispherical dome.

Early in this study, it was recognized that this type of instantaneous, catastrophic failure would be very unlikely, given the actual design of the bottom head. A study was therefore undertaken in which a stress

analysis of the head and its associated penetrations (i.e., instrumentation tubes) was performed (Appendix 3.4.6). The analysis considered a range of variables including

1. Three internal system pressure levels of 15, 600, and 2500 psia;

2. Decay heat loads which produced constant heat fluxes of 100,000 and 200,000 Btu/hr-ft^2 at the inside surface of the bottom head; and

3. Three debris accumulation scenarios:

   a. Instantaneous Fill in which it was assumed that the bottom head of the vessel was instantly covered by the entire core debris,

   b. Gradual Fill in which 20 minutes was required to cover the bottom head with the core debris,

   c. Gradual Fill with Solidification of Core Debris in which it was assumed that the initial portion of the core debris precipitated to the bottom of the vessel in solid form and acted as an insulator.

The results of these analyses (Appendix 3.4.6) showed that the possible failure modes of the vessel head fell into three categories, none of which were instanteous creep rupture failures of the entire head. Of the eighteen cases studied, the calculations indicated the following:

1. In twelve cases, only the instrumentation tubes fail, and the core melt is entirely dispersed through the holes left by ejected instrumentation tubes.

2. In four cases, it is expected that instrumentation tube failure will be followed by bottom head failure. For these cases, the first part of the core melt will disperse through the holes left by ejected instrumentation tubes. The second part of the core melt will escape through a tear in one side of the vessel, and the third and last part of the melt will stay in the bottom head as it drops off the vessel.

3. In two cases, the bottom head of the reactor vessel is expected to fail prior to (or simultaneously with) instrumentation tube failures. For these cases, part of the core melt is expected to escape through a tear on one side of the vessel, and the rest of the melt is expected to remain in the bottom head as it drops off the vessel.

It should be noted that in the analyses which produced these results, it was assumed that the bottom head of the vessel was uniformly covered by the core debris. In fact, the head is not expected to be covered uniformly. Because of the incoherencies and the influence of the core support structure in determining the amount and location of degraded core material within the inner plenum region, the failure of the hemispherical vessel head would be highly unlikely since this accumulation of material would begin in the central portion of the head. In this

region, there are numerous (58) penetrations of the in-core instrumentation tubes as discussed above. As shown in Figure 3.1.7-1, these penetrations are welded on the inside of the reactor vessel with a weld penetration of about 1 inch as compared to the vessel wall thickness of 6 inches. In addition, the vessel hemispherical head is undergoing normal stress provided by the elevated primary system pressure as opposed to the shear stress produced on the in-core instrument tubes by the same pressure loading. It is expected that the combination of core debris accumulation in the central region, a partial penetration weld, the thermal attack resulting from the hot stream of core debris, and shear stress loading would result in failure of one or more in-core instrument tubes long before failure of the hemispherical head would occur.

3.1.7.2 Thermal Attack of the Vessel Steel Structure by a Stream of Degraded Core Material

The thermal attack of a thick steel slab by a solidifying stream of degraded material that flows over one side of the slab (vessel wall), as shown in Figure 3.1.7-2 has been evaluated. Predicting the steel melting rate and the temperature profile within the vessel wall is complicated by the behavior of a growing frozen crust on the melting steel surface. If it is assumed that the crust of core debris is mechanically stable and does not break up and expose the steel melt film to the flow of hot core debris, and that crust motion (sliding) does not produce appreciable convection currents within the steel melt film, then the problem is greatly simplified. Considerable experimental support for frozen crust stability on an underlying melt layer can be found in the literature (Ref. 3.1.7-1 through Ref. 3.1.7-3).

In addition to the foregoing consideration of fuel crust stability, the following additional assumptions are made.

1. The analysis is restricted to the neighborhood of the stagnation point of the axisymmetric flow of core debris. According to measurements made with gas jets, the axisymmetric stagnation flow model breaks down at a radial distance of about 1.2 times the jet (or nozzle) diameter (d) (Ref. 3.1.7-4). The heat flux through the upper surface of the fuel crust within this radial stagnation zone is given by (Ref. 3.1.7-5)

$$q = 0.55\left(Pr_f^{0.35}\right)k_f(T - T_{mp,f})\left(\frac{2u}{d\nu_f}\right)^{1/2}$$

where k_f, ν_f and Pr_f are the thermal conductivity, kinematic viscosity and Prandtl number of the flowing core debris. While this equation is strictly valid only for laminar stagnation flow, available heat transfer data for gas jets (Ref. 3.1.7-6 and 3.1.7-7) and liquid streams (Ref. 3.1.7-8 and 3.1.7-9) indicate that it can be successfully applied when the stream is turbulent.

2. The frozen layer of degraded core material, the steel melt layer and the thermal boundary layer within the solid steel are thin compared with their extension in the lateral direction so that heat conduction in this direction is small compared to that normal to the surface.

3. All physical properties (density, heat capacity, thermal conductivity) are considered constant for the solid and molten regions. In addition, the change of volume upon solidification or melting is neglected. Perfect "thermal contact" between the crust of core debris and the steel at $x = 0$ is assumed.

4. The thermal boundary layer at $x = \delta_T(t)$ does not reach the opposite end of the steel slab; consequently, the steel wall may be considered to extend to infinity in the x-direction.

5. The initial steel temperature, T_0 is sufficiently low so that steel melting will begin only after convection heating from the molten core debris raises the fuel crust-solid steel interface temperature, T_i, to the steel melting temperature, T_{mp}.

6. The initial effects of transient conduction immediately following fuel-steel contact are ignored. Similarly, the initial effects of heat capacity (or temperature profile distortion) within the fuel crust are neglected. Thus it is assumed that the convective heat flux from the core debris is transmitted directly to the steel/core debris crust interface at $x = 0$, and therefore it is not necessary to evaluate the temperature field within the frozen core debris layer unless the crust thickness-time history is required. The relaxation time to quasi-steady heat transfer in the frozen layer of degraded material can be shown to be comparable to the time it takes the heat flux from the flowing core debris to exceed the conduction heat flux through the frozen layer (Ref. 3.1.7-10). In other words, the temperature profile in the debris layer becomes linear as the crust reaches maximum thickness and tends to remain fairly close to linear throughout the crust melting period. From the results of the analysis reported in Ref. 3.1.7-11, we find that for the conditions of interest, the relaxation time for attainment of a steady state profile within the frozen debris crust is less than 5.0 s, which is negligible on the time scale of interest, ~50.0 s.

We now apply the heat balance integral method to determine how the melting propagates and how the temperature is distributed in the melted and unmelted portions of the steel slab. Although the heat balance integral method is particularly suited to solution of nonlinear phase change problems, it will first be employed to determine the temperature distribution in the steel slab before melting starts. Subject to the above assumptions, we need only consider a semi-infinite steel slab occupying the space $x > 0$. Beginning at time $t = 0$, a constant heat flux q is applied to the interface $x = 0$; initially, the temperature of the slab is T_0. The temperature distribution must satisfy the heat balance:

$$q \cdot t = \rho_s c_s \int_0^{\delta_T} (T_s - T_o)dx$$

and the boundary condition:

$$q = -k_s \left(\frac{\partial T_s}{\partial x}\right)_{x=0}$$

where the subscript "s" refers to the properties of solid steel. We now assume a second-order polynominal for the temperature distribution $T_s(x,t)$:

$$\frac{T_s(x,t) - T_o}{T_i(t) - T_o} = \left(1 - \frac{x}{\delta_T}\right)^2$$

It should be noted that this expression is consistent with the notion of a thermal wave thickness δ_T beyond which the effects of heat conduction are negligible. Combining the above three equations gives the solution

$$\delta_T = (6\alpha_s t)^{1/2}$$

$$T_i = T_o + \frac{1}{2}\frac{q}{k_s}(6\alpha_s t)^{1/2}$$

Setting the interface temperature T_i equal to the steel melting temperature T_{mp}, we obtain the time t_m when melting begins at the interface $x = 0$:

$$t_m = \frac{2}{3} k_s \rho_s c_s \left(\frac{T_{mp} - T_o}{q}\right)^2$$

The thickness of the thermal boundary layer at this time is

$$\delta_T(t_m) = (6\alpha_s t_m)^{1/2}$$

At any instant after melting starts, the steel slab consists of distinct melt and solid portions. A macroscopic energy balance across the melted and unmelted material regions results in the expression

$$q(t - t_m) = \rho_s[L + c_s(T_{mp} - T_o)]\,\delta + \rho_m c_m \cdot \int_0^{\delta} (T_m - T_{mp})dx$$

$$+ \rho_s c_s \cdot \int_{\delta}^{\delta_T} (T_s - T_o)dx - \rho_s c_s \cdot \int_0^{\delta_T(t_m)} (T_s - T_o)dx$$

where the subscript "m" refers to the properties of the steel melt and L is the latent heat of fusion. This equation simply expresses the fact that during the melting period $(t-t_m)$, the heat flux from the stream of core debris supplies sufficient heat to raise the solid steel temperature from its initial value, T_o, to its melting temperature, T_{mp}, and to supply the latent heat of melting and the sensible heat in the solid and melt regions (minus the energy stored in the solid at time $(t-t_m)$). Another energy balance applied to the solid region $\delta < x < \delta_T$ requires that

$$\frac{d}{dt} \int_{\delta}^{\delta_T} (T - T_o)dx + (T_{mp} - T_o)\frac{d\delta}{dt} = \alpha_s \left(\frac{\partial T}{\partial x}\right)_{x=\delta}$$

The temperature distribution in the melt layer is assumed to be linear in x. Thus

$$\frac{T_m(x,t) - T_{mp}}{T_i(t) - T_{mp}} = 1 - \frac{x}{\delta}$$

During the melting period, the temperature distribution in the solid steel is given by

$$\frac{T_s(x,t) - T_o}{T_{mp} - T_o} = \left(\frac{\delta_T - x}{\delta_T - \delta}\right)^2$$

This leads to the following set of equations, so that upon substitution:

$$q(t - t_m) = \rho_s[L + c_s(T_{mp} - T_o)]\,\delta + \frac{1}{2}\rho_m c_m q\delta^2/k_m$$

$$+ \frac{1}{3}\rho_s c_s(\delta_T - \delta)(T_{mp} - T_o) - \frac{1}{3}\rho_s c_s \delta_T(t_m)(T_{mp} - T_o)$$

$$\frac{1}{3}\frac{d}{dt}(\delta_T - \delta) + \frac{d\delta}{dt} = \frac{2\alpha_s}{\delta_T - \delta}$$

$$T_i(t) - T_{mp} = \frac{\delta q}{k_m}$$

for the determination of $\delta(t)$, $\delta_T(t)$ and $T_i(t)$.

Before proceeding further, it is expedient to nondimensionalize the equations. The new variables are defined as follows:

$$\tau = \frac{t}{t_m}; \qquad \Delta = \frac{\delta}{\delta(t_m)}; \qquad \Delta_T = \frac{\delta_T}{\delta_T(t_m)}; \qquad \theta_i = \frac{T_i - T_{mp}}{T_{mp} - T_o}$$

The following parameters are introduced:

$$\beta = \frac{L}{c_s\,(T_{mp} - T_o)}; \qquad \gamma = \frac{\alpha_s}{\alpha_m}$$

In terms of the dimensionless quantities introduced in the foregoing, the previously defined set of equations takes the form:

$$\tau = 3(\beta + 1)\,\Delta + 3\gamma\Delta^2 + \Delta_T$$

$$\frac{d\Delta_T}{d\tau} + 3\,\frac{d\Delta}{d\tau} = \frac{1}{\Delta_T}$$

$$\theta_i = 2\,\frac{k_s}{k_m}\,\Delta$$

These equations can be solved by numerical integration. However, if the right-hand side of the first equation were free of the term $3\gamma\Delta^2$, then the equations have the simple inverted solution for $\Delta_T(\tau)$,

$$\tau = 1 + \beta(\beta + 1)\ln\left(\frac{\beta}{(\beta + 1) - \Delta_T}\right) - \beta(\Delta_T - 1)$$

which is valid for thin melt layers, $\Delta \ll (1 + \beta)/\lambda$, or, equivalently, negligible heat capacity in the steel melt layer.

Figure 3.1.7-3 shows the dimensionless thermal boundary layer thickness, Δ_T, the dimensionless melt-layer thickness, Δ, and the dimensionless interface temperature, θ_i, for $\beta = 0.34$. This value of β corresponds to an initial steel temperature $T_0 = 300°C$. Note that the thickness of the thermal wave asymptotically approaches a constant value and, in turn, the steel melt layer becomes a linear function of time.

Using the results of the analysis, it is interesting to examine the thermal response of a steel wall initially at 300°C to attack by a 30 cm diameter stream of degraded core material superheated 200°C above its fusion temperature and flowing at a velocity $u = 440$ cm/s. Inserting the above values into the heat flux expression, we find $q = 51.3$ cal/cm^2-s. Solution of the previously defined equations then reveal that the steel slab will begin to melt at $t_m = 36.0$ sec and the thermal boundary layer thickness at this time $\delta_T(t_m) = 3.74$ cm. The temperature distribution in the slab at or before incipient melting can then be determined. Figure 3.1.7-4 presents the spatial variation of the temperature at $t = t_m$. Before melting begins, a mathematically exact relationship for the temperature distribution can be found in Ref. 3.1.7-10 and displayed in Figure 3.1.7-4 for $t = t_m$. A comparison of the integral method with the exact solution reveals reasonable agreement for this special case. By means of Figure 3.1.7-3 and the appropriate equation, it is possible to determine the temperature at any point of the steel slab at any instant after melting starts, providing Δ remains small and/or the fuel crust does not disappear via remelting, (i.e., $T_i < T_{mp,f}$). In Figure 3.1.7-4, two temperature distributions are shown within the steel melt and the solid steel region at $t = 70$ s, and $t = 100$ s.

Due to the rapid heating and localized melting of the reactor vessel wall as the degraded core material flows into the lower plenum, the steel will achieve temperatures of 1000°C or greater at depths up to 2 cm in about one minute, i.e., the approximate draining time of the material. At such temperatures, there would be little strength left in this steel and, as shown in Figure 3.1.7-1 this is the approximate depth of the weld material anchoring the in-core instrument penetrations. Since the weld material would be subject to essentially the same thermal attack as the vessel wall for the spectrum of sequences in which a significant pressure remains in the primary system as well as those which have a depressurized primary system, these penetrations could be expected to fail during, or within minutes after, the core debris pours into the bottom head. As noted above, the 58 instrument penetrations in the lower reactor vessel head are concentrated in the central region of the head. Since this is also the locale where drainage and accumulation of the degraded core material occurs, this would be the principle manner and location of vessel failure for these postulated severe accident sequences.

This analytical formulation has considered the effects of a molten core stream pouring into the lower plenum, a behavior that was postulated to result from debris accumulation on the core support plate. As such, it is viewed as a conservative representation of the process whereby core debris is transported from the original core boundaries into the lower plenum and eventually outside of the reactor pressure vessel. In the evaluation presented above, only the limited depth welds for the penetrations were considered, but the actual design of the in-core instrument penetrations could also have a significant effect on the material migration. For the Indian Point systems, the 58 in-core penetrations are essentially continuous tubing from the seal table, located in the containment building above the top of the reactor vessel, down through the instrument tunnel and reactor cavity, up through the reactor vessel

and through the entire core. Eight of these 58 positions contain fixed in-core detectors. The remaining 50 are used in conjunction with the movable in-core detector system. The movable in-core flux detectors, of which there are only six, are inserted into the core through these 50 tubes and are indexed by a switching device so that the flux distribution within the core can be mapped. As a result, at least 44 of these positions are always open, and generally all 50 positions are open. The central hole through which the probes are inserted is at the containment atmosphere. Consequently, when these tubes fail, a potential path is available to duct material from the reactor core into the containment. For these particular probes, the design is a double tube configuration with the central passage for the probe with water in the annular gap between the two tubes at the primary system pressure. As a result, the analysis of the flow of degraded material through such holes when they become available is quite complex and requires a detailed resolution of the distribution of material within the core as well as the material temperature. Therefore, such details were not included in the analysis, and the accumulation of core debris on the support structure and its subsequent collapse was used to evaluate the behavior within the lower plenum.

Another feature contributing to the failure of the penetrations would be the "fin effect" of tube stubs surrounded by core debris. Given the accumulation of material in the lower plenum, the molten debris would freeze as it contacted the various steel structures in the plenum. As a result, the reactor vessel, the lower support structure, and the remnants of the in-core instrument tubes would be initially covered by a crust of core debris. In the absence of a sustained molten stream and ablation as discussed above, the temperature of the weld material around the penetrations would increase faster than the vessel wall since the stainless steel penetrations stubs would conduct energy from the molten pool into the welds. Consequently, these limited penetration junctions would be the first part of the reactor vessel pressure boundary to fail even in the absence of a strong ablative attack by the molten core.

Given that an in-core instrument guide tube is melted through and ejected, the initial vessel breach would be approximately 4 cm in diameter. Figure 3.1.7-5 schematically illustrates this configuration in which the molten core material flows through this breach under the driving pressure of the overlying steam/gas mixture. The velocity of this discharge can be estimated by Bernoulli's equation where the core material is assumed to all be liquid:

$$U = \left[\frac{2(P_o - P_a)}{\rho_F} \right]^{1/2}$$

For the depressurized cases (large break LOCA sequences), the driving pressure comes from the static head ($\rho_f gh$) which produces a velocity equal to $U = 2gh^{1/2}$.

The pressures P_o and P_a represent the vessel and primary containment conditions respectively, and ρ_F is the density of the molten core material.

As the high temperature liquid flows through the breach, it will contact comparatively cold steel in the process. The interface temperatures developed upon contact are given by

$$T_i = \frac{T_F + T_s \left[\frac{k_s \rho_s c_s}{k_F \rho_F c_F}\right]^{1/2}}{1 + \left[\frac{k_s \rho_s c_s}{k_F \rho_F c_F}\right]^{1/2}}$$

where T_F and T_s are the initial temperatures of the core material and steel and k_F, ρ_F, c_F, k_s, ρ_s and c_s are the thermal conductivity, density and specific heat of the core material and steel, respectively. For typical conditions of interest (T_F ~2200°K and T_s ~250°C), this interface temperature is well below the melting points of both the steel and the fuel/zirconium oxide mixture. Consequently, the molten material freezes upon contact forming a thin crust of material as shown in Figure 3.1.7-6 which tends to insulate the steel from the molten stream. The solid crust receives energy from the convective stream as given by the expression

$$q = hA \cdot (T_F - T_{m,F})$$

where h is the convective heat transfer coefficient, A is the surface area of the crust, and $T_{m,F}$ is the melting point of the fuel/zirconium oxide mixture. Using Reynolds' analogy, the heat transfer coefficient can be related to velocity by

$$h = f\left[\frac{\rho_F c_F U}{2}\right]$$

where f is the dimensionless friction factor (f = 0.005). If the vessel pressure is assumed to be 17.2 MPa (2500 psia), the discharge velocity would be about 70 m/sec, and the corresponding heat transfer coefficient would be approximately 735 kw/m^2°C. (These are values typical of transient conditions and are for illustration only. Values typical of the sequence categories will be presented later in this section.) The resulting heat flux must be transferred through the crust and into the steel. If the crust is too thick to transmit the required energy, it will remelt until it is sufficiently thin; if the steel cannot absorb the imposed heat flux it will also melt. The time required for thermal boundary layer development within the steel to the point where it can no longer remain solid can be estimated from the error function solution for an instantaneous change of surface temperature where the interface temperature is assumed to be the steel melting point:

$$h(T_F - T_{F,m}) = k_s(T_{s,m} - T_s)/ (\pi \alpha_s \theta)^{1/2}$$

The steel thermal diffusivity is designated by α_S, and the time interval by θ. Thus, the expression for the required time is obtained by rearranging the above equation to

$$\theta = [k_s(T_{s,m} - T_s)]^2/\pi\alpha_s\,[h(T_F - T_{F,m})]^2$$

For the conditions outlined above, the time for the onset of steel melting is 0.04 seconds, which is quite short compared to the vessel discharge time. Consequently, even with the presence of an insulating crust, the steel substrate will be quickly driven to melting because of the high heat flux imposed by the convective stream.

Melting of the steel substrate below the fuel crust will jeopardize the stability of this crust. The thickness of this crust can be estimated from

$$\delta = k_F(T_{F,m} - T_{s,m})/h(T_F - T_{F,m})$$

For the temperatures and flow conditions listed above, the fuel crust would only be approximately 66 μm thick, which would have negligible strength; this is in agreement with the stability arguments presented by Epstein, et. al. (Ref. 3.1.7-12). Therefore, once steel melting is initiated, the thin crust of core material would be continually formed, destroyed, and reformed. The only significant implication of the crust would be the limitation that it provides in the energy transfer process, i.e., it determines the driving temperature difference for the convective heat transfer from the molten stream.

As a result of the behavior described above, the steel will be melted very shortly after the penetration is established and the convective stream will continually attack the reactor vessel wall. This ablation process will enlarge the original failure size at a rate which can be obtained by equating the convective energy transfer to the energy required to melt the steel:

$$hA_s(T_F - T_{F,m}) = \rho_s A_s \left[c_s(T_{s,m} - T_s) + \gamma_s\right] \frac{dr}{dt}$$

The derivative dr/dt is the growth rate of the breach radius, A_S is the exposed cylindrical surface area of the steel, and γ_S is the heat of fusion of the steel. From this expression, the growth rate of the breach is a constant and is given by

$$\frac{dr}{dt} = \frac{h(T_F - T_{F,m})}{\rho_s(c_s(T_{s,m} - T_s) + \gamma_s)} = B$$

which for the condition used in the above examples gives a value of approximately 0.042 cm/sec. As a result, the available flow area through which the molten material can be expelled from the vessel will increase substantially during the core ejection stage.

With the configuration illustrated in Figure 3.1.7-5, the incompressible molten material is forced out of the vessel by the high pressure, compressible gas/steam mixture above the core debris for the transient and small LOCA sequences and by the static head of the molten pool in the large break LOCA cases. Since, for the high pressure cases, the volume occupied by the molten core is small compared to the initial volume of the gas/steam mixture, the vessel pressure and, therefore, the discharge velocity, will remain essentially constant during the expulsion process. Thus the exhaust flow can be described by

$$\dot{m} = \rho_F A_c U$$

where

$$A_c = \pi r^2 = \pi(r_o + Bt)^2$$

For the large break scenarios, the discharge velocity will decay with decreasing pool depth as given by $U = (2gh)^{1/2}$ where g is the acceleration of gravity and h is the instantaneous pool depth. Since this is a comparatively weak dependence of depth, in these analyses, the velocity is assumed to remain constant at the initial value.

The quantity r_o is the radius of the initial vessel failure, i.e. the radius of an in-core instrument guide tube. To express the total mass discharged at any point in time, one only has to integrate with respect to time:

$$\Delta m = \rho_F U \pi \int_0^t (r_o + Bt)^2 \, dt = \rho_F U \pi \left[r_o^2 t + r_o B t^2 + \frac{B^2 t^3}{3} \right]$$

The mass discharged as a function of time is graphically illustrated in Figure 3.1.7-7 for the large break sequences, in Figure 3.1.7-8 for the small break cases and Figure 3.1.7-9 for the transient cases. It is apparent from the functional form that the flow rate is continually increasing because of the linear growth of the radius with time. For all the sequences considered, the final vessel break is almost the same, and the breach diameter is less than one-tenth of the vessel diameter. This, and the relative time scales for complete discharge for the various transients ($\sim$4 seconds for the high pressure cases versus almost 80 seconds for the large LOCA sequences), are the principle results developed by this analysis. Subsequent discharge of the follow-on gas/steam mixture for the elevated pressure cases and the resultant containment behavior should be calculated based upon this vessel breach size.

Given the vessel failure mechanism discussed above and the size of the resultant breach in the vessel lower head, one must then evaluate the progression of the degraded core material into the reactor cavity and the containment using molten core material discharge rates and conditions as calculated from this failure mechanism as well as the behavior and influence of the follow-on steam/gas mixture which blows down through the vessel breach. These phenomena must be addressed in terms of their influence on the ultimate disposition and coolability of the molten core debris.

TABLE 3.1.1-1

IN-VESSEL DEBRIS BEDS*
MINIMUM COOLABLE PARTICLE SIZE

Pressure MPa	Porosity $\varepsilon = 0.4$	$\varepsilon = 0.5$
1	550 μm	330 μm
2	400 μm	240 μm
4	350 μm	210 μm
7	280 μm	160 μm

*Q = 20 Mw A= 10.5 m^2

TABLE 3.1.1-2

MAXIMUM STABLE SIZES

$$r = \left[\frac{6k_F(T_m - T_s)}{\dot{q}}\right]^{1/2}$$

$T_s = 100°C$

$k_F = 0.0033$ kw/m°C

$\dot{q} = 1750$ kw/m^3

if	$T_m = 1500°C$,	$r = 13$ cm	and	$d = 26$ cm
if	$T_m = 815°C$,	$r = 9$ cm	and	$d = 18$ cm

TABLE 3.1.1-3

CRITICAL HEAT FLUX

$$q/A = 0.14\ h_{fg}\ (\rho_g)^{1/2}\left(g\sigma(\rho_f - \rho_g)\right)^{1/4}$$

(1) P = 15 MPa:	σ = 0.005 N/m	ρ_g = 100 kg/m^3
	h_{fg} = 1000 kJ/kg	ρ_f = 602 kg/m^3
	q/A = 3118 kw/m^2	A = 12 m^2; Q = 37.4 Mw
(2) P = 7 MPa:	σ = 0.018 N/m	ρ_g = 36.5 kg/m^3
	h_{fg} = 1505 kJ/kg	ρ_f = 741 kg/m^3
	q/A = 4220 kw/m^2	A = 12 m^2; Q = 50.6 Mw
(3) P = 0.5 MPa:	σ = 0.049 N/m	ρ_g = 2.7 kg/m^3
	h_{fg} = 2109 kJ/kg	ρ_f = 917 kg/m^3
	q/A = 2222 kw/m^2	A = 12 m^2; Q = 26.7 Mw

TABLE 3.1.3-1

STAINLESS STEEL AND URANIUM DIOXIDE FRAGMENTATION REPORTED IN REFERENCE 3.1.3-2

Material	Particle Size, μm					
	>4000	4000-3070	3070-2030	2030-500	500-149	<149
SS	1.339 (86.0)*	0.064 (4.1)	0.083 (5.4)	0.065 (4.2)	0.002 (0.18)	0.0018 (0.11)
SS	0.085 (34.1)	0.029 (11.9)	0.057 (23.1)	0.0718 (29.0)	0.0045 (1.8)	0.0002 (0.01)
SS	1.621 (58.2)	0.322 (11.6)	0.388 (14.0)	0.408 (14.7)	0.033 (1.2)	0.011 (0.3)
SS	1.773 (65.7)	0.229 (8.5)	0.337 (12.5)	0.335 (12.4)	0.025 (0.9)	

	>4000	4000-1630	1630-1070	1070-500	500-350	350-210	210-149	>149
UO_2	0.735 (59.3)	0.272 (21.9)	0.115 (9.3)	0.041 (3.3)	0.017 (1.4)	0.017 (1.4)	0.014 (1.1)	0.028 (2.3)

*The numbers in parentheses indicate the mass percent.

TABLE 3.1.3-2

PREDICTED MELT FRAGMENTATION

Run	28	39	79	82
Material	SS	SS	UO_2	SS
Melt Temperature, °C	1725	1755	3000	1685
Mass, kg	1.65	2.6	1.24	1.74
Water Temperature, °C	80	20	20	25
Ambient Pressure, MPa	0.1	0.015	0.1	0.1
Tank Volume, m^3	0.2	0.2	0.2	0.0065
$q/A)_{CHF,sat}$, kw/m^2	1187	534	1187	1187
$q/A)_{CHF,sub}$, kw/m^2	2330	3740	5750	5500
Predicted Particle Dia., mm	2.8	3.0	5.0	14

TABLE 3.1.3-3

PREDICTED HYDROGEN GENERATION

	Experimental Runs			Reactor Case
	28	39	82	
Melt Temperature, °C	1725	1755	1685	2200
Water Temperature, °C	80	20	25	285
Mass, kg	1.65	2.6	1.74	50,000
Particle Diameter, mm	2.8	3.0	14	1,860
Number of Particles	18,000	23,000	151	2.1
Surface Area, m^2	0.44	0.65	0.093	10.9
Time to Freeze Surface, secs.	0.36	0.44	0.9	2.2
Predicted H_2 Generation, kg-moles	0.0026	0.001	0.0014	18.8*
Predicted H_2 Partial Pressure, MPa	0.05	0.016	0.83	0.25
Measured H_2 Partial Pressure, MPa	0.02	0.013	0.7	--

*Calculated for a metallic system.

TABLE 3.1.4-1

INVENTORY OF UPPER PLENUM STRUCTURES

Item	Approximate Thickness (cm)	Approximate Weight (kg)	Approximate Surface Area (m^2)
Guide tubes and Support Columns	0.059	4080	280
	0.177	680	120
	0.394	4990	46
	0.591	11790	56
	0.787	2270	14
Upper Fuel Assembly Nozzles	0.551	1180	46

Table 3.1.5-1
COMPARISON OF WASH-1400 MODEL AND ACTUAL BEHAVIOR FOR PWRs

WASH-1400	PWRs
1. All core melt sequences can produce steam explosions.	High pressure sequences prohibit steam explosions: only low pressure sequences can have steam explosions.
2. Coherent core melt involving all the core.	Axial and radial power profiles dictate a three-dimensional noncoherent core melt taking tens of minutes.
3. Hold up and catastrophic collapse of core debris into water.	Below-core structures prohibit hold up and catastrophic collapse.
4. Instantaneous and intimate dispersal throughout the coolant.	Rapid mixing requires several orders of magnitude more energy than is available.
5. Coherent interaction between core debris and water.	a. In-vessel lower core support and instrument tubes would prevent any coherent interaction.
	b. Lower support structure would dictate minimum time for material discharge to plenum, i.e., guarantees a noncoherent event.
	c. Slow intermixing in liquid-liquid film boiling would disperse the mixture before substantial amounts are involved.
6. Slug formation and acceleration through the vessel in a piston-like manner.	a. In-vessel structures would greatly impede any slug formation.
	b. Since only low pressure systems can experience explosions, calculations for film boiling during intermixing show any continuous overlying liquid layer would be broken up, i.e., slug could not be formed.
7. Coherent slug impact on the vessel head.	Upper internals structure would disperse any slug movement.

TABLE 3.1.5-2

IN-VESSEL STEAM EXPLOSION SEQUENCE - WASH-1400

1. Uniformly molten core, totally separated from the water in the lower plenum.

2. Catastrophic collapse of the core support such that the molten core material falls into the water.

3. Rapid (instantaneous) intimate mixing of the water and core material.

4. Coherent interaction between the molten core debris and water.

5. Slug formation and acceleration upward through the vessel in a piston-like manner.

6. Coherent slug impact on the vessel head.

Table 3.1.5-3

EXPERIMENTS DEMONSTRATING A HIGH PRESSURE CUTOFF

Laboratory	Materials Used	Explosive Pressures Measured MPa	System Pressure Required to Eliminate Explosions MPa
rgonne	Freon-22 and Mineral Oil	2.5	0.2
*Argonne	Freon-22 and Mineral Oil	2.0	0.5
rgonne	Sodium and Water	2.0	1.0
Ispra	Sodium Chloride Water	6.0	1.0
*Sandia	Corium and Water	1.5	0.75
*Winfrith	Uranium Dioxide and Water	3.0	0.9

*Externally triggered systems.

Table 3.1.5-4

CUTOFF PRESSURE PREDICTIONS

System	Henry-Fauske (3.1.5-4) MPa	Buchanan, et. al. (3.1.5-5) Homogeneous Nucleation MPa	Buchanan, et. al. (3.1.5-5) Preferred Site Nucleation MPa
Freon-22	~ 0.15	0.21	0.66
Water	1.0	1.3	6.7

Table 3.1.5-5

POOL BOILUP (SLUG DISPERSAL)

Pressure = 0.1 MPa, Core Debris = 10^5 kg

Particle Radius (m)	Number of Particles	Superficial Velocity m/sec	Pool Void Fraction	Temperature Rise Rate °C/sec	Pressure Rise Rates MPa/sec Min	Max
1	3.4	5.5	0.99	1.6	0.007	4.4
0.1	3,400	55	0.99	16	0.07	44
0.01	3,400,000	550	0.99	164	0.7	440
0.005	27,300,000	1100	0.99	329	1.4	880

Table 3.1.5-6

POOL BOILUP (SLUG DISPERSAL)

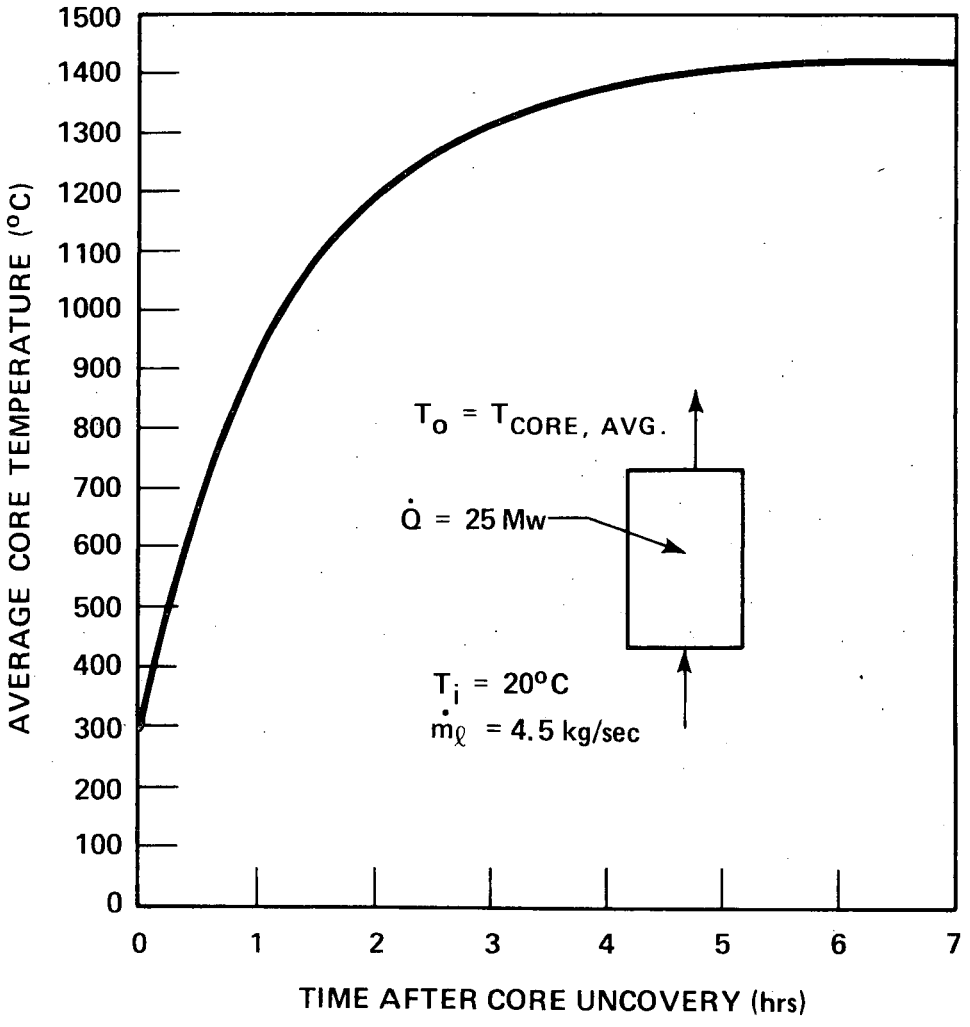
Pressure = 1.0 MPa, Core Debris = 10^5 kg

Particle Radius (m)	Number of Particles	Superficial Velocity m/sec	Pool Void Fraction	Temperature Rise Rate °C/sec	Pressure Rise Rates MPa/sec Min	Max
1	3.4	0.71	0.75	1.6	0.04	6.2
0.1	3,400	7.1	0.97	16	0.4	62
0.01	3,400,000	71	0.99	164	4.0	620
0.005	27,300,000	710	0.99	329	8.0	1240

Table 3.1.5-7

MIXING REQUIREMENTS

Time Scale (sec)	Penetration Depth (μm)	Thermal Energy Release percent	Particle Radius (μm)	Mixing Energy One-Step J	Mixing Energy Progressive J	Mechanical Work J	Mixing Energy/Mechanical Work One-Step	Mixing Energy/Mechanical Work Progressive
0.001	22	100	66	7.2×10^{14}	1.0×10^{12}	1.2×10^{9}	6×10^{5}	8×10^{3}
		10	660	7.2×10^{13}	8.1×10^{11}	1.2×10^{9}	6×10^{4}	675
		1	6600	7.2×10^{12}	5.8×10^{11}	1.2×10^{9}	6×10^{3}	483
0.010	69	100	210	2.3×10^{12}	9.2×10^{9}	1.2×10^{9}	2×10^{3}	7.67
		10	2100	2.3×10^{11}	6.9×10^{9}	1.2×10^{9}	192	5.75
		1	21000	2.3×10^{10}	4.6×10^{9}	1.2×10^{9}	19.2	3.83



Fgiure 3.1.1-1. Effect of Limited Water Injection

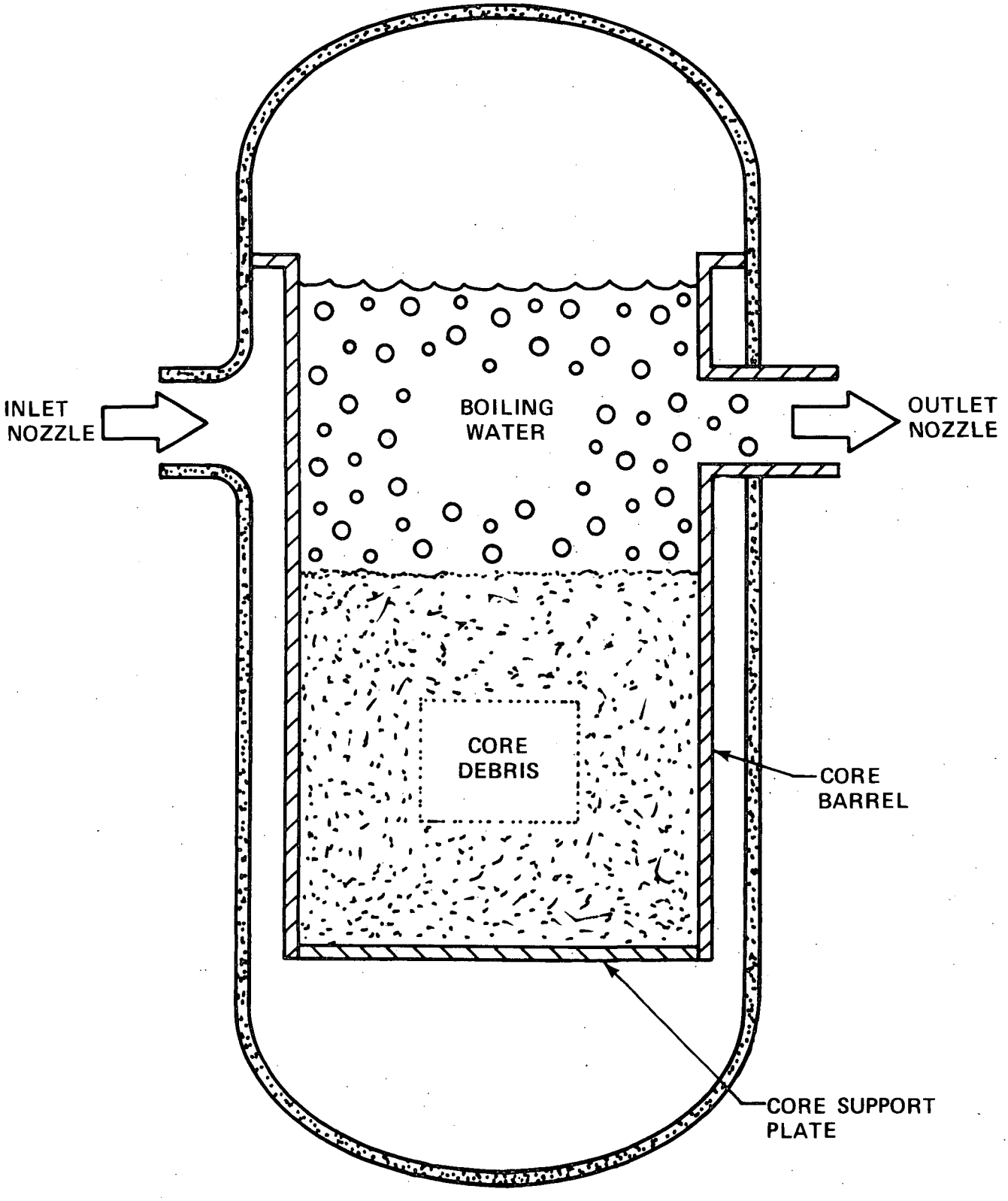


Figure 3.1.1-2. Configuration for In-Vessel Cooling Evaluation

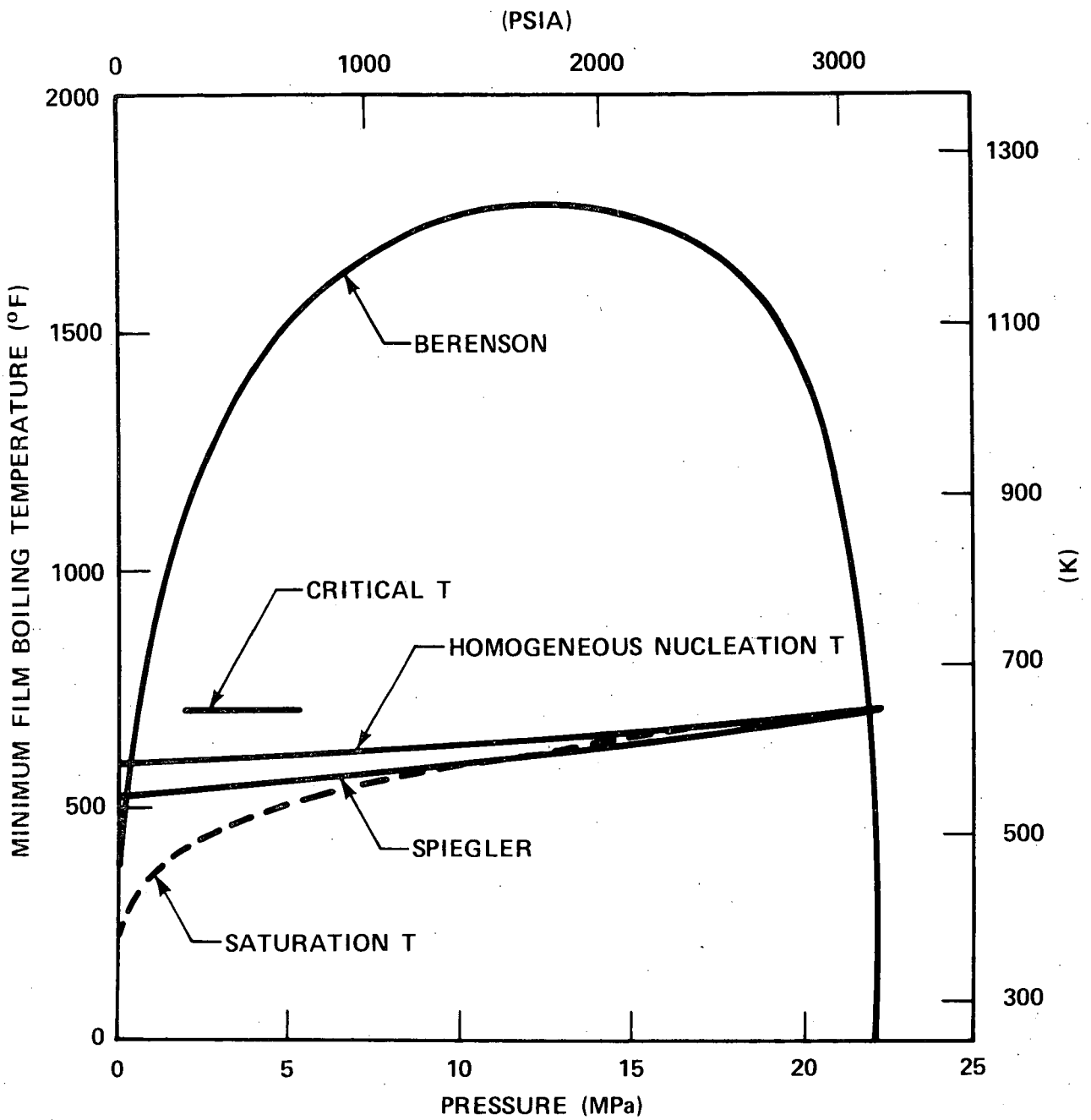


Figure 3.1.1-3. Minimum Wall Temperatures to Support Film Boiling

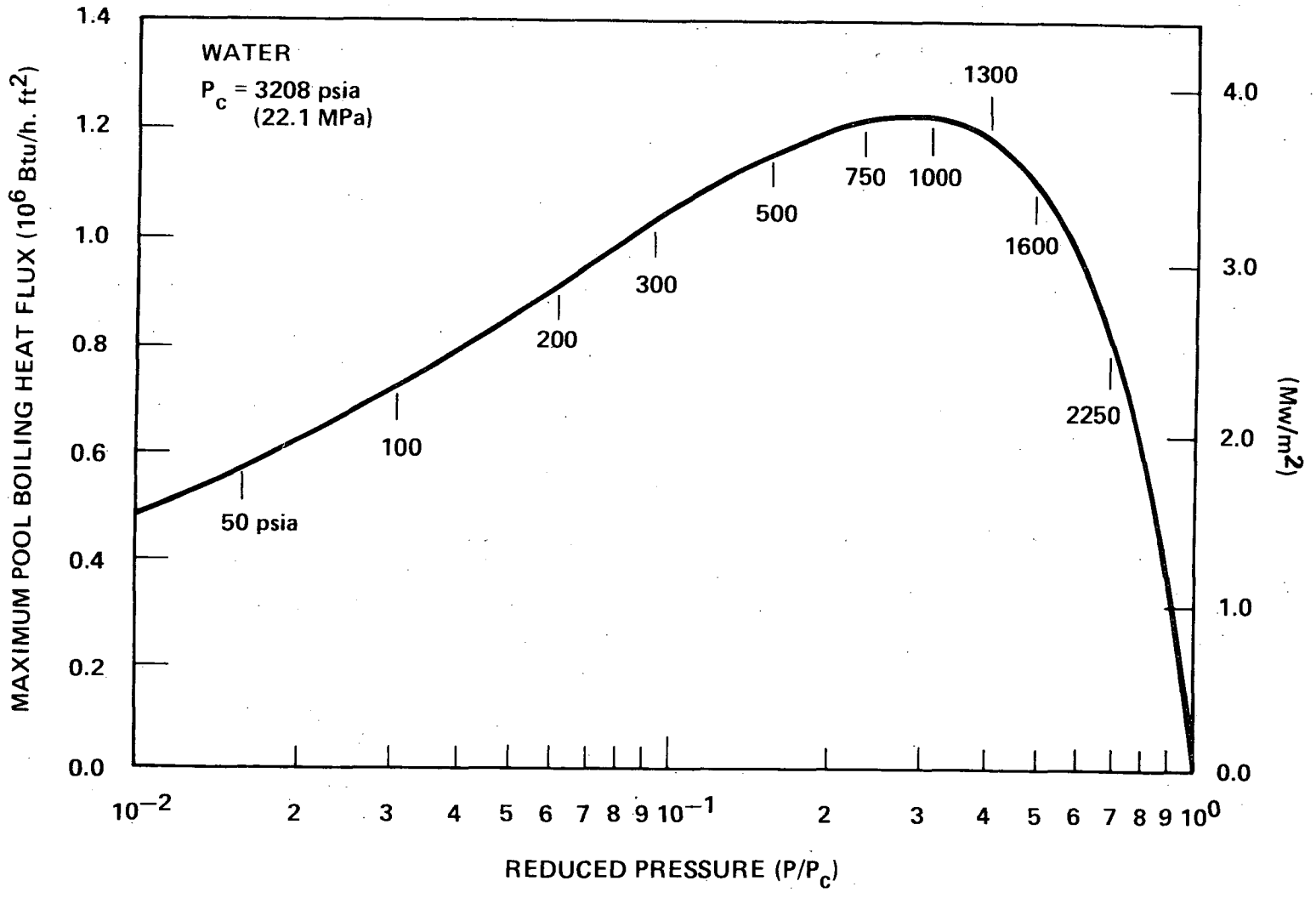


Figure 3.1.1-4. Maximum Pool Boiling Heat Flux as a Function of Pressure

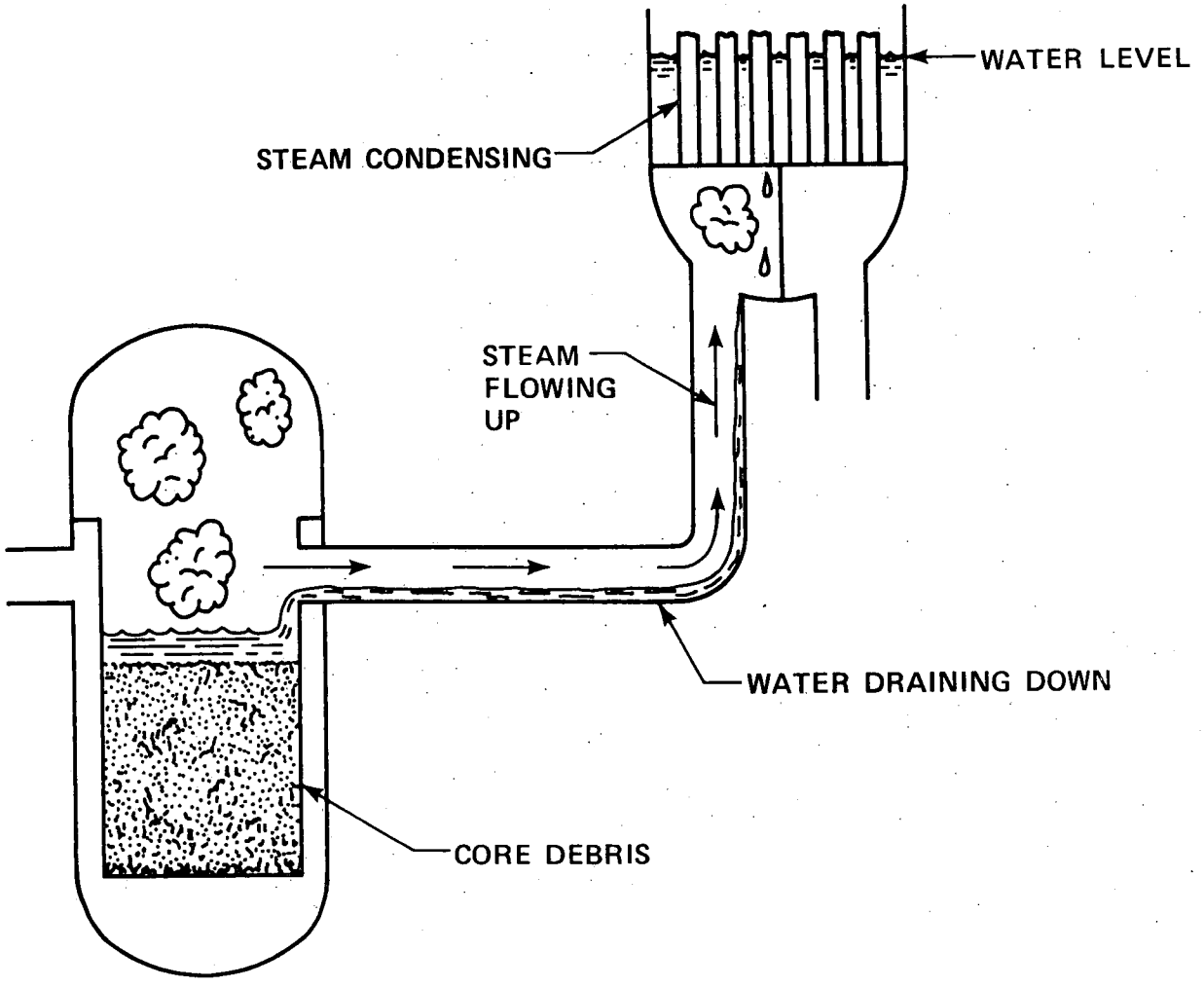


Figure 3.1.1-5. Reflux Path

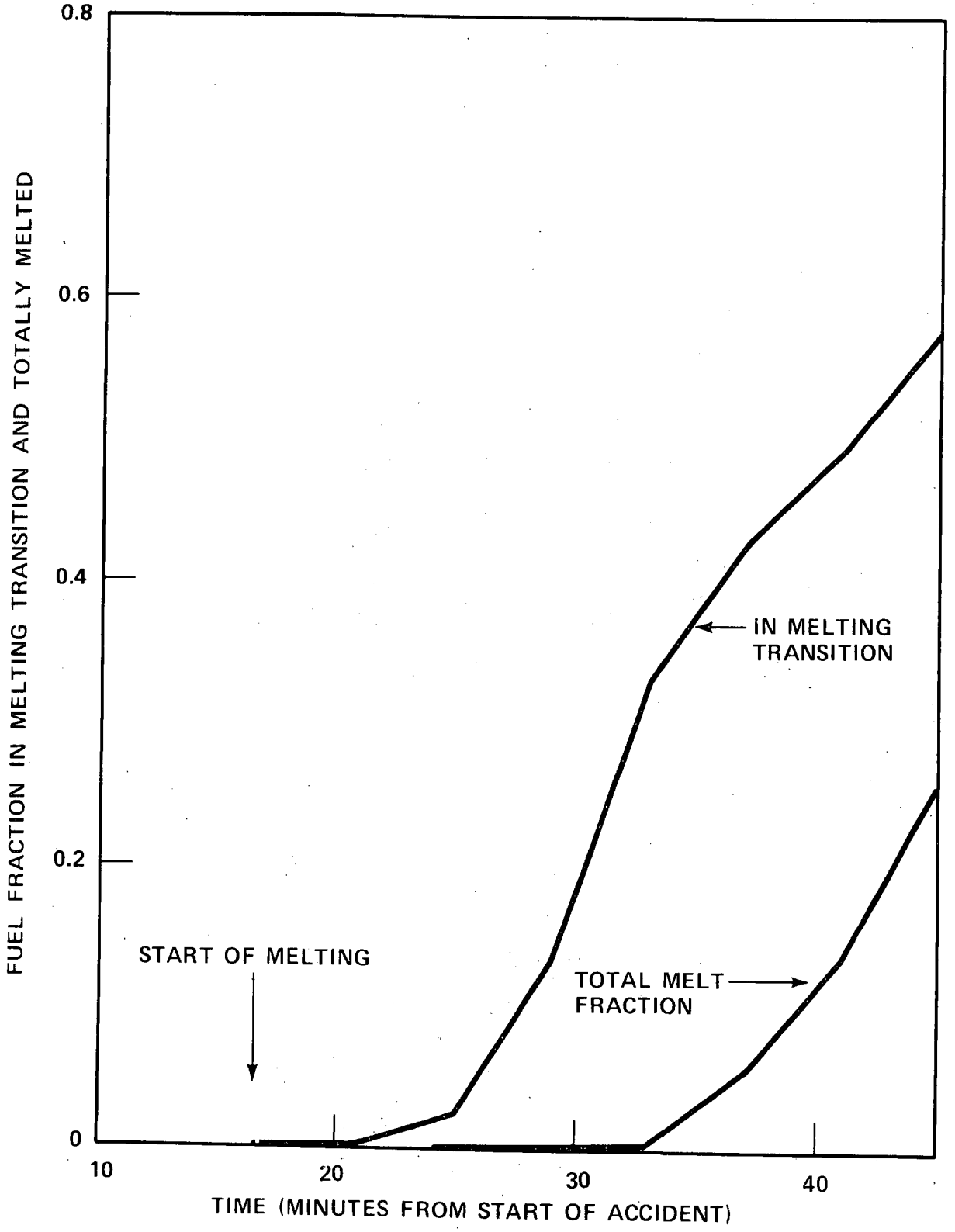


Figure 3.1.2-1. Large Break LOCA TMI-2 HEATUP Code

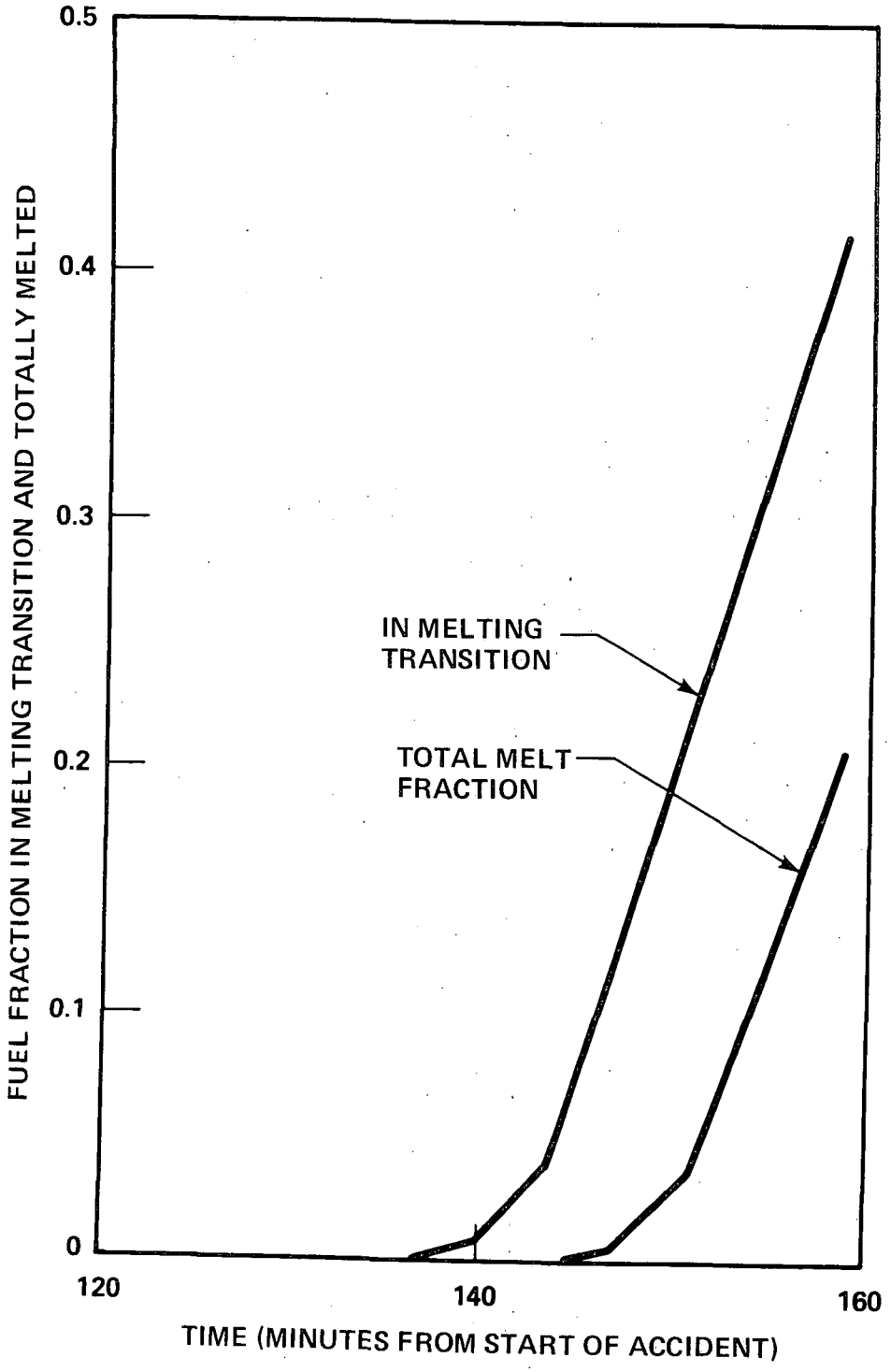


Figure 3.1.2-2. Small Break LOCA TMI-2 HEATUP Code

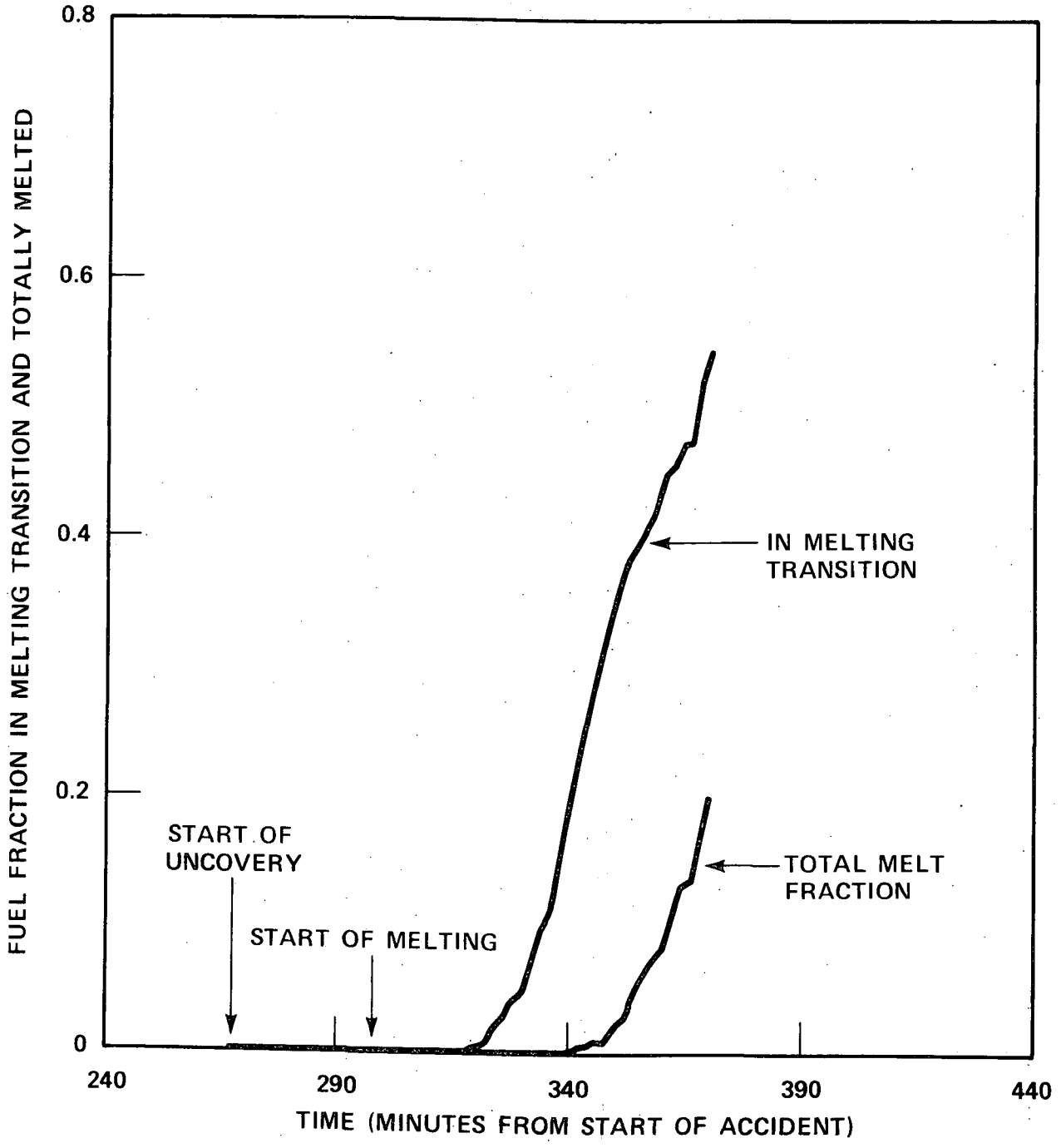
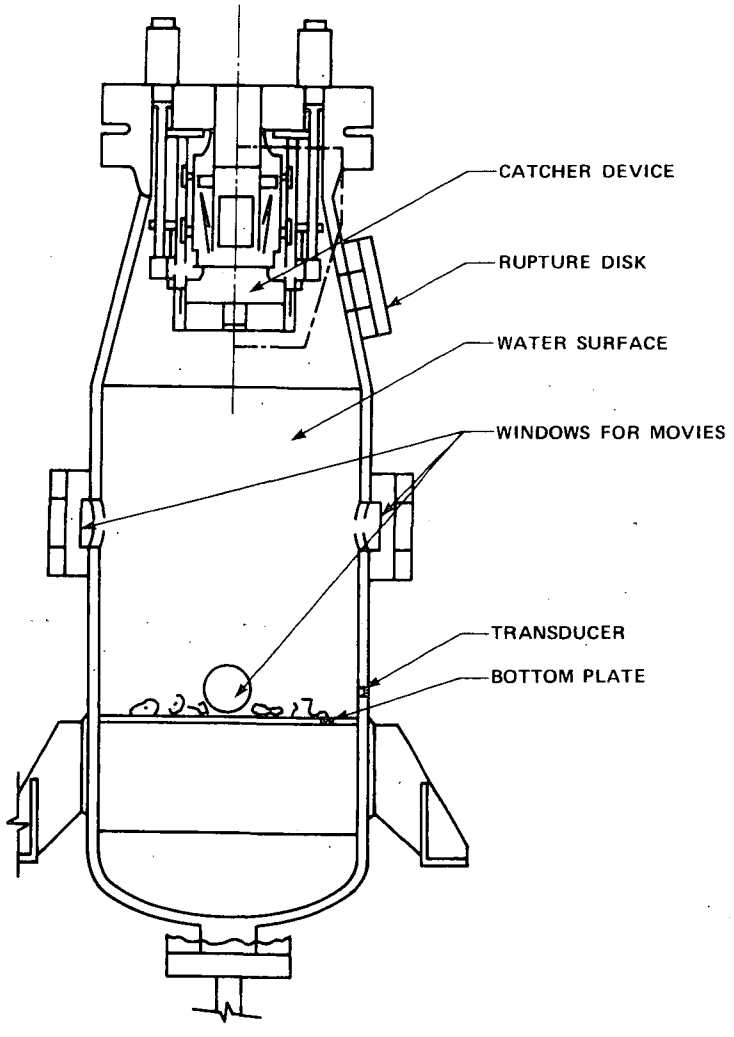
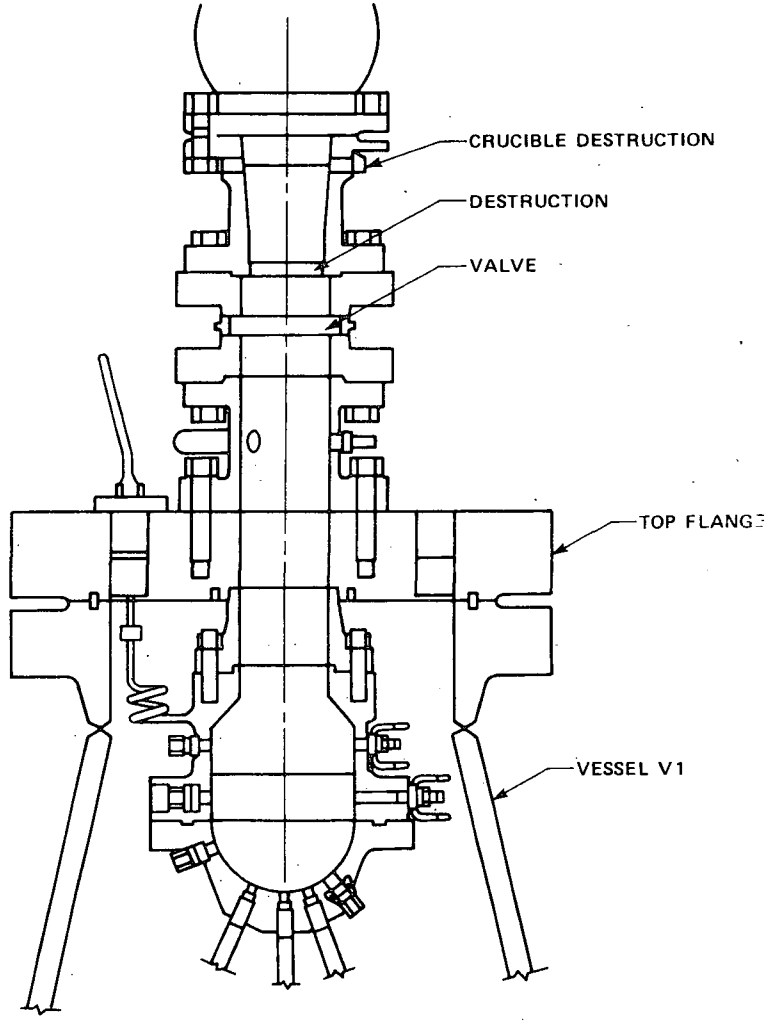


Figure 3.1.2-3. Transient TMI-2 HEATUP Code



VESSEL V1
(VOLUME: 350 ℓ)



"PWR" SCALED DOWN VESSEL
(VOLUME: 6.5 ℓ)

Figure 3.1.3-1. ISPRA Vessel Geometries

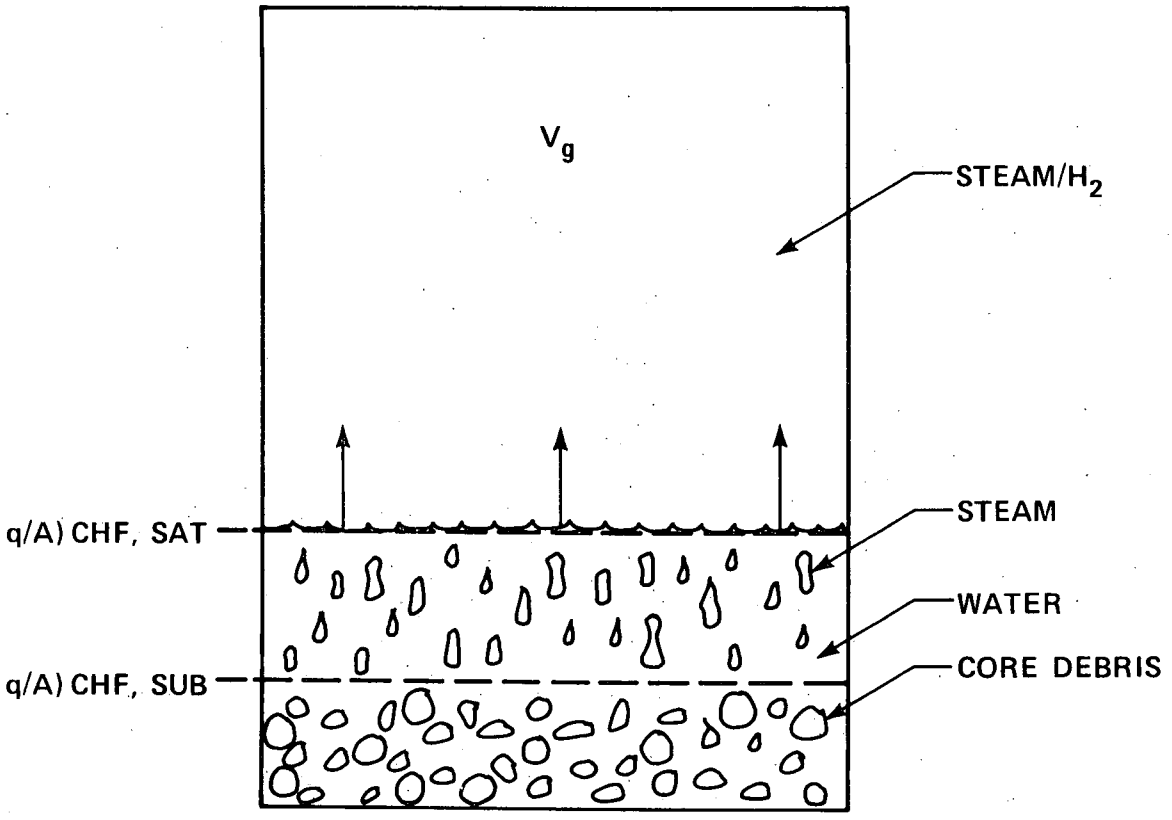


Figure 3.1.3-2. Configuration for Quenching of Core Debris

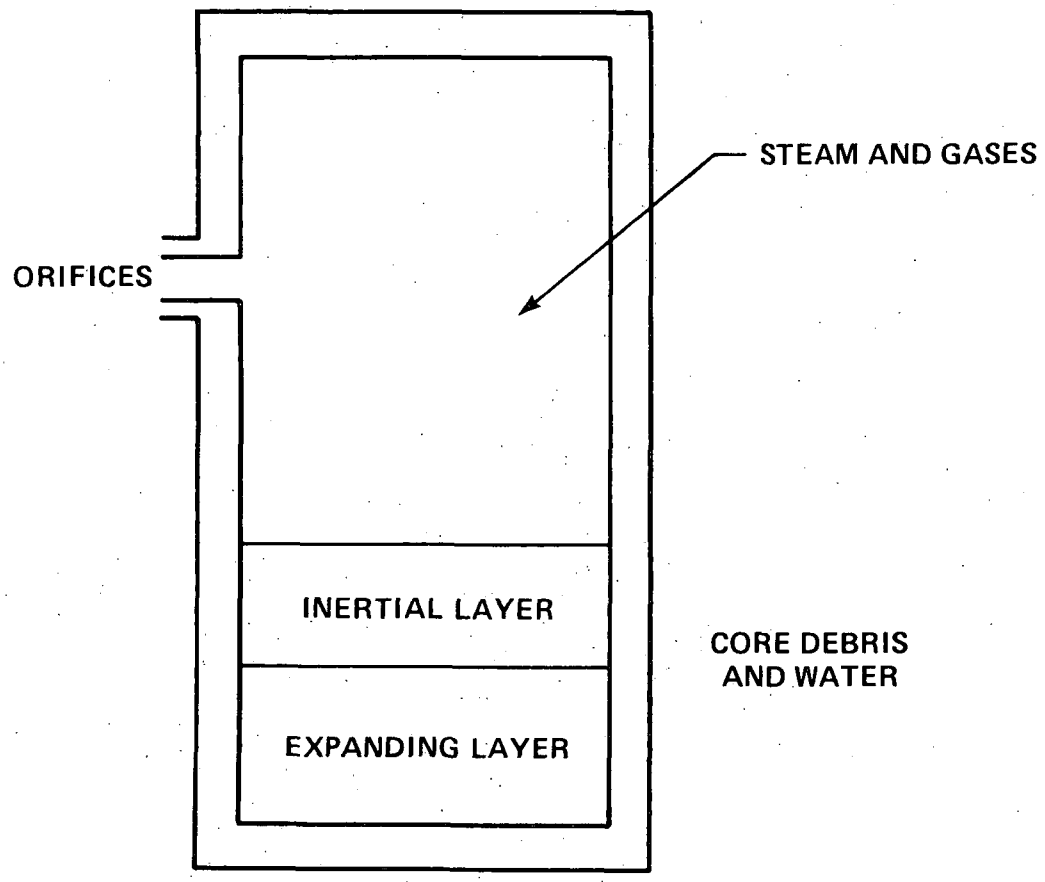


Figure 3.1.5-1. Model Geometry Used in WASH-1400 Steam Explosion Analyses

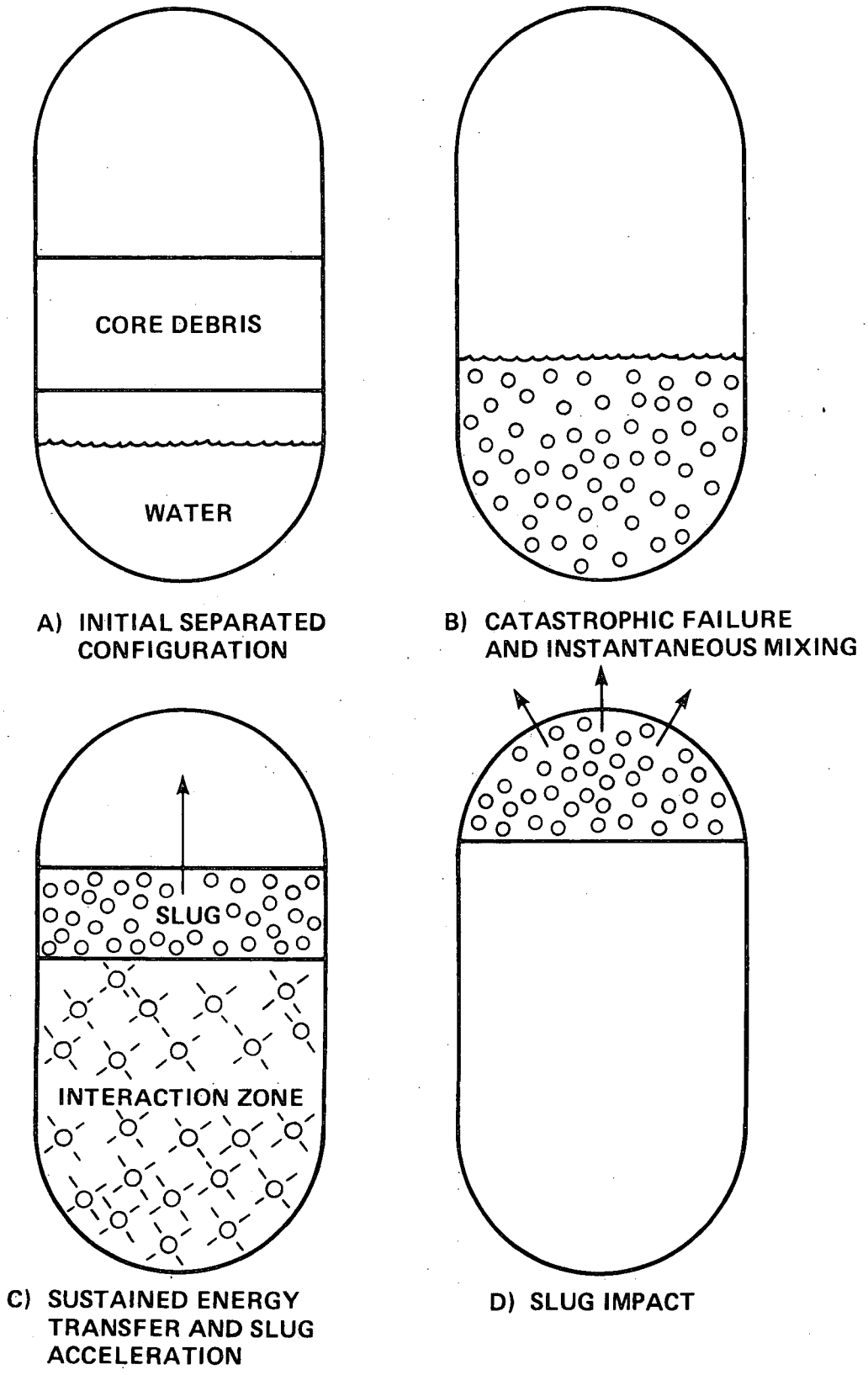


Figure 3.1.5-2. Behavior Modeled in WASH-1400

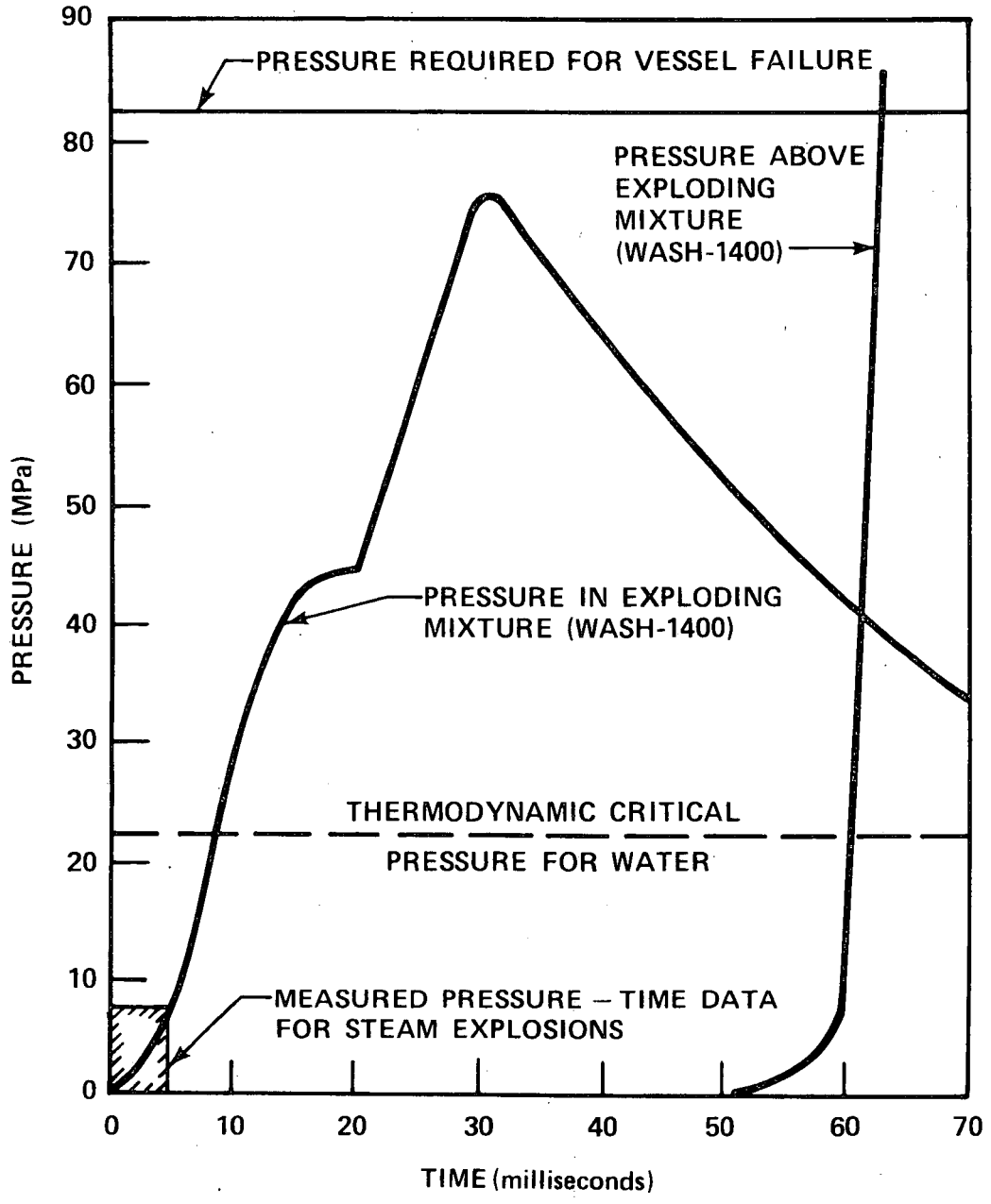


Figure 3.1.5-3. Comparison of Predicted Pressure - Time Behavior from WASH-1400 (400 μm Particle Size) and Available Experimental Results for Steam Explosions.

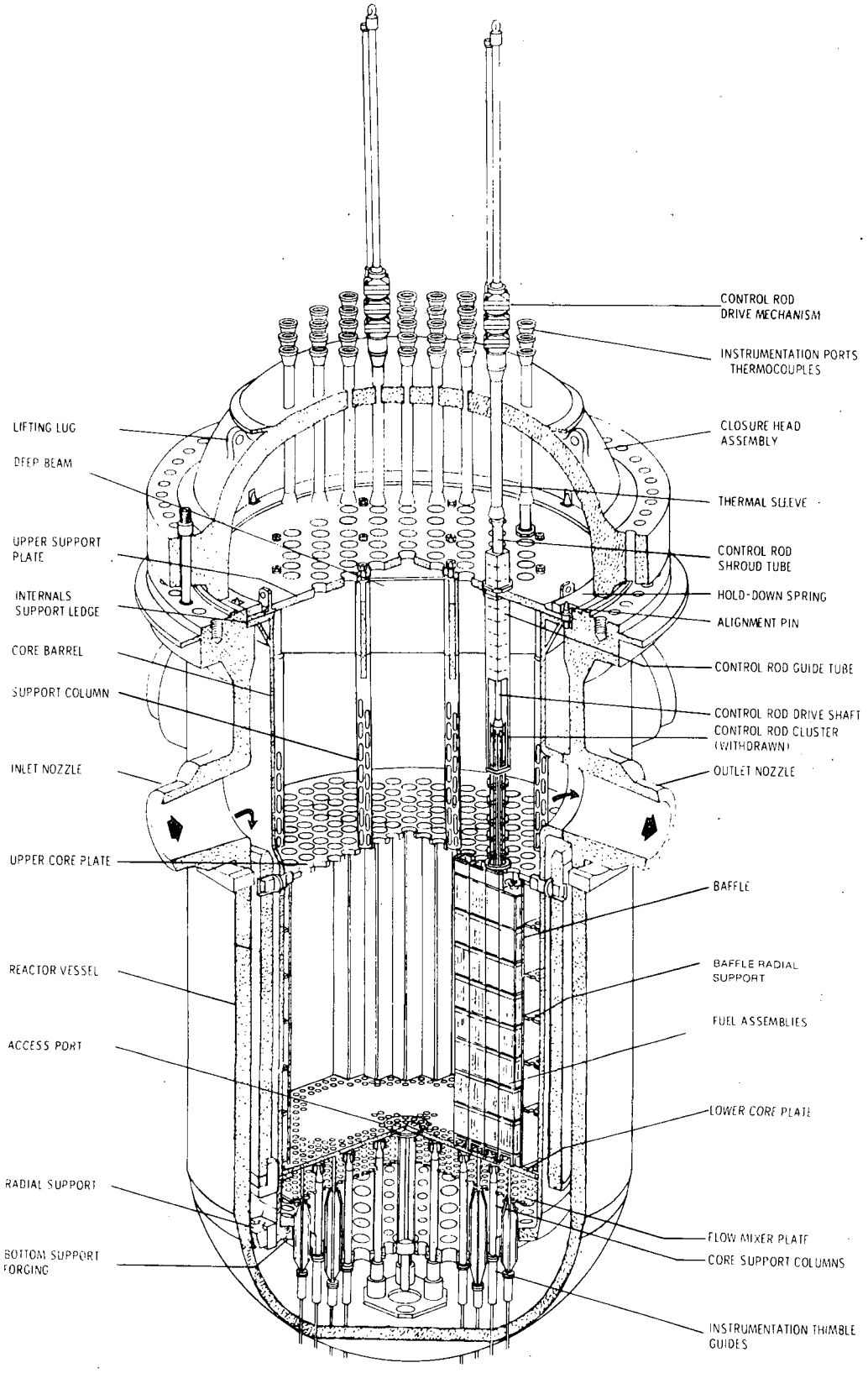


Figure 3.1.5-4. Reactor Vessel Internals

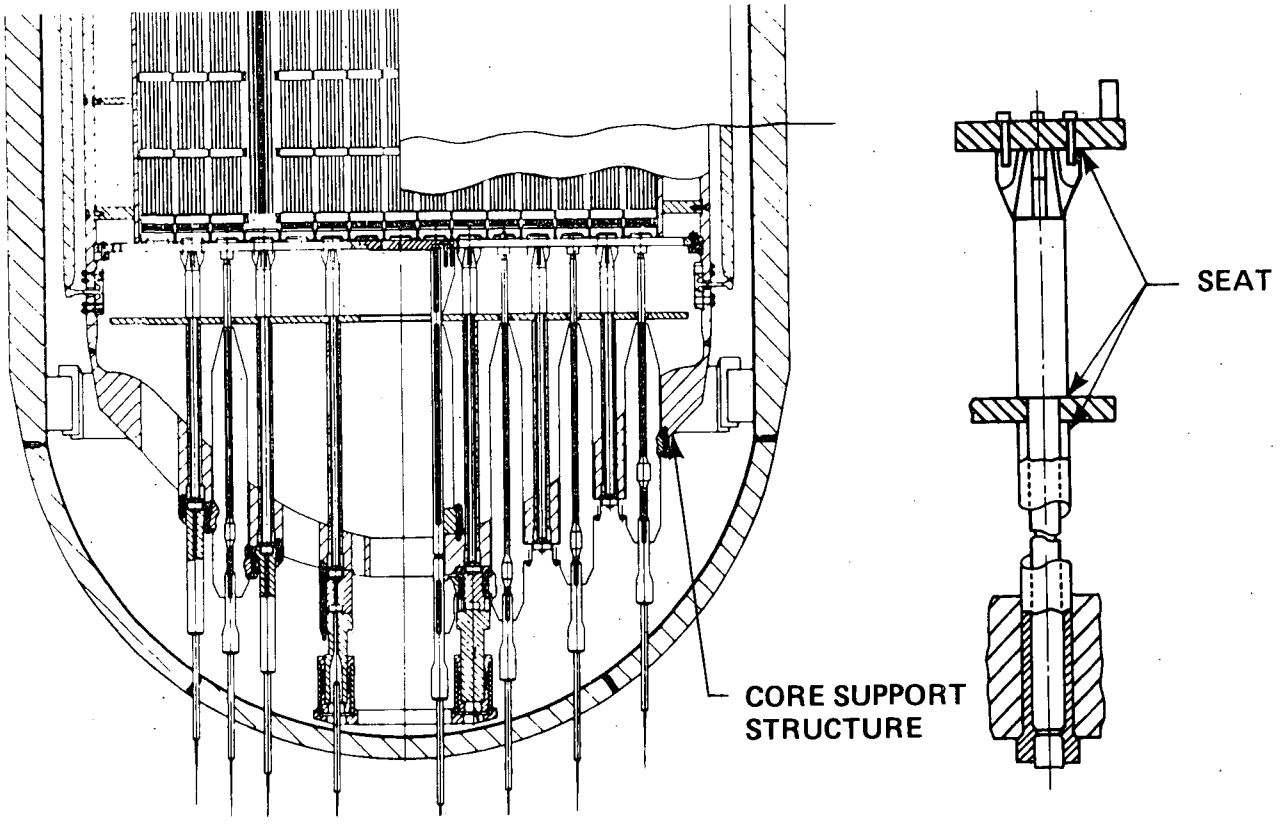


Figure 3.1.5-5. Core Barrel Assembly

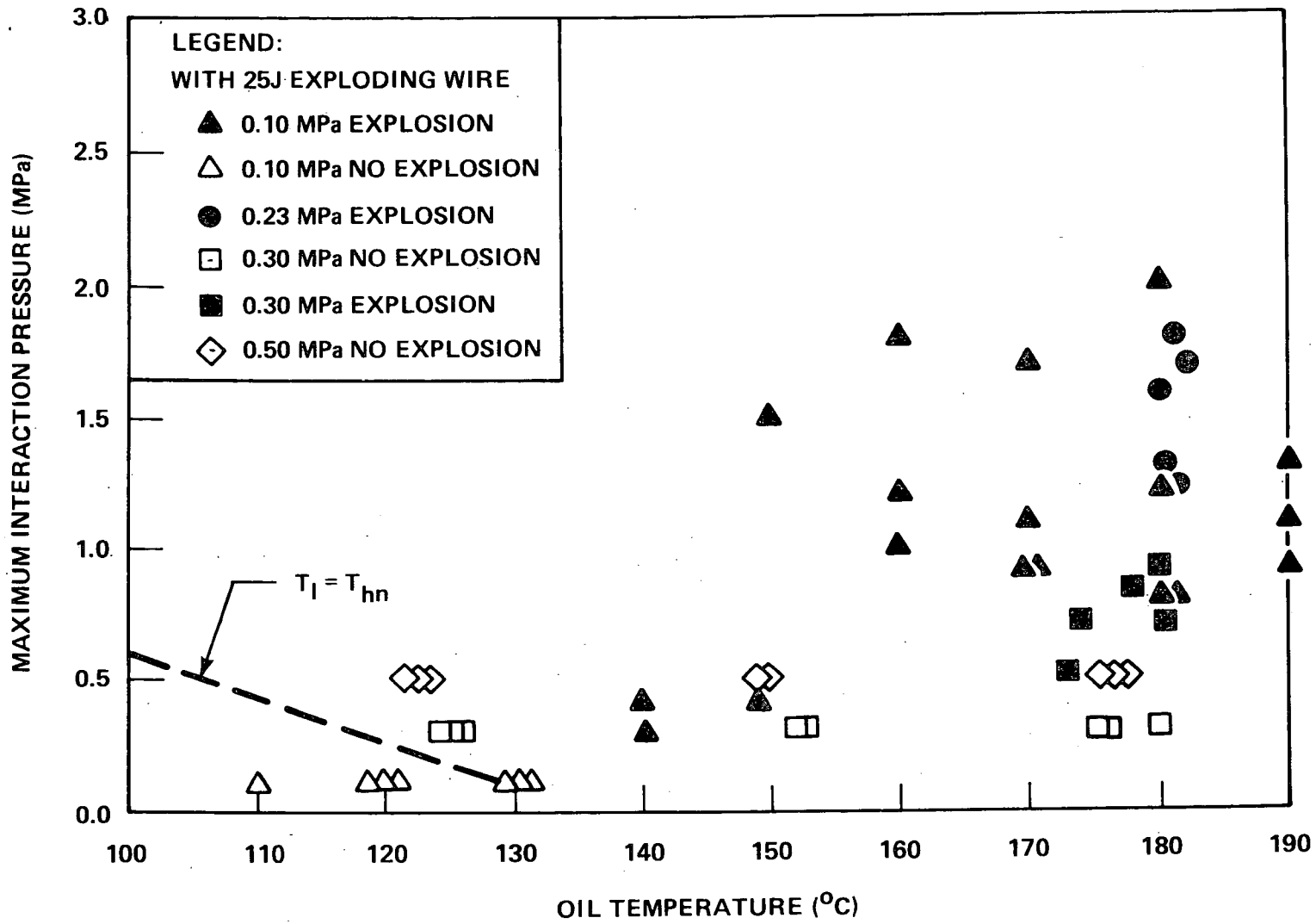


Figure 3.1.5-6. Illustration of Pressure Effect in the Presence of Trigger

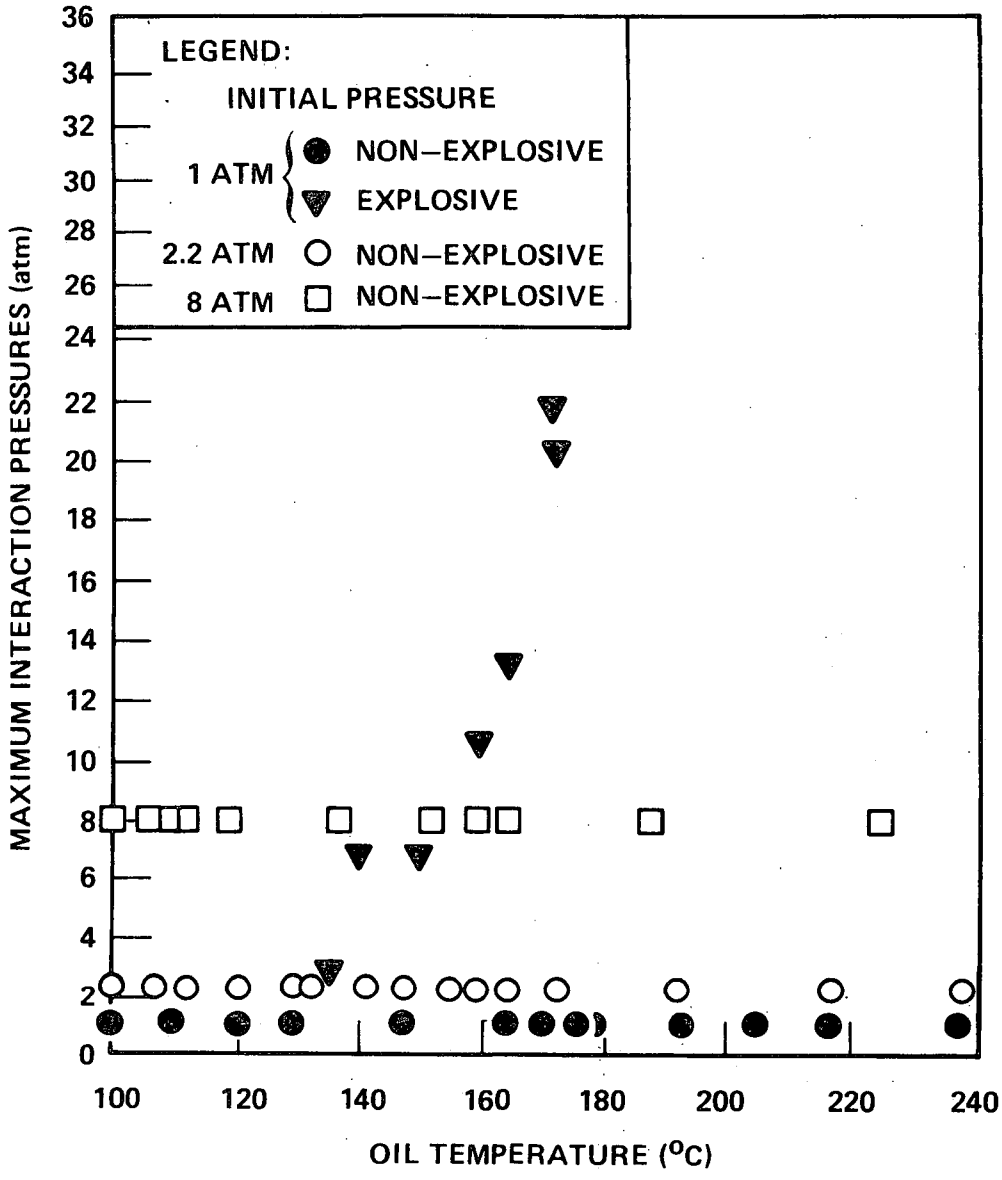


Figure 3.1.5-7. Illustration of Pressure Effect in the Absence of Trigger

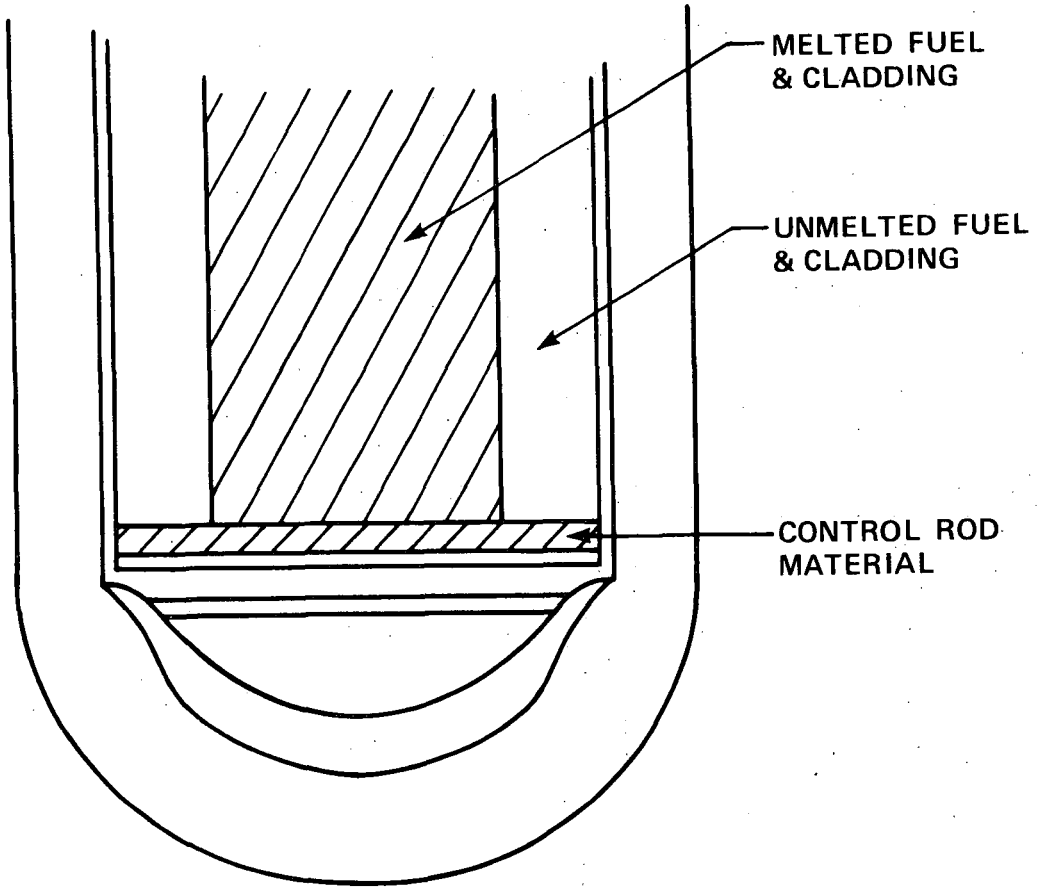


Figure 3.1.6-1. Possible Blockage Configuration

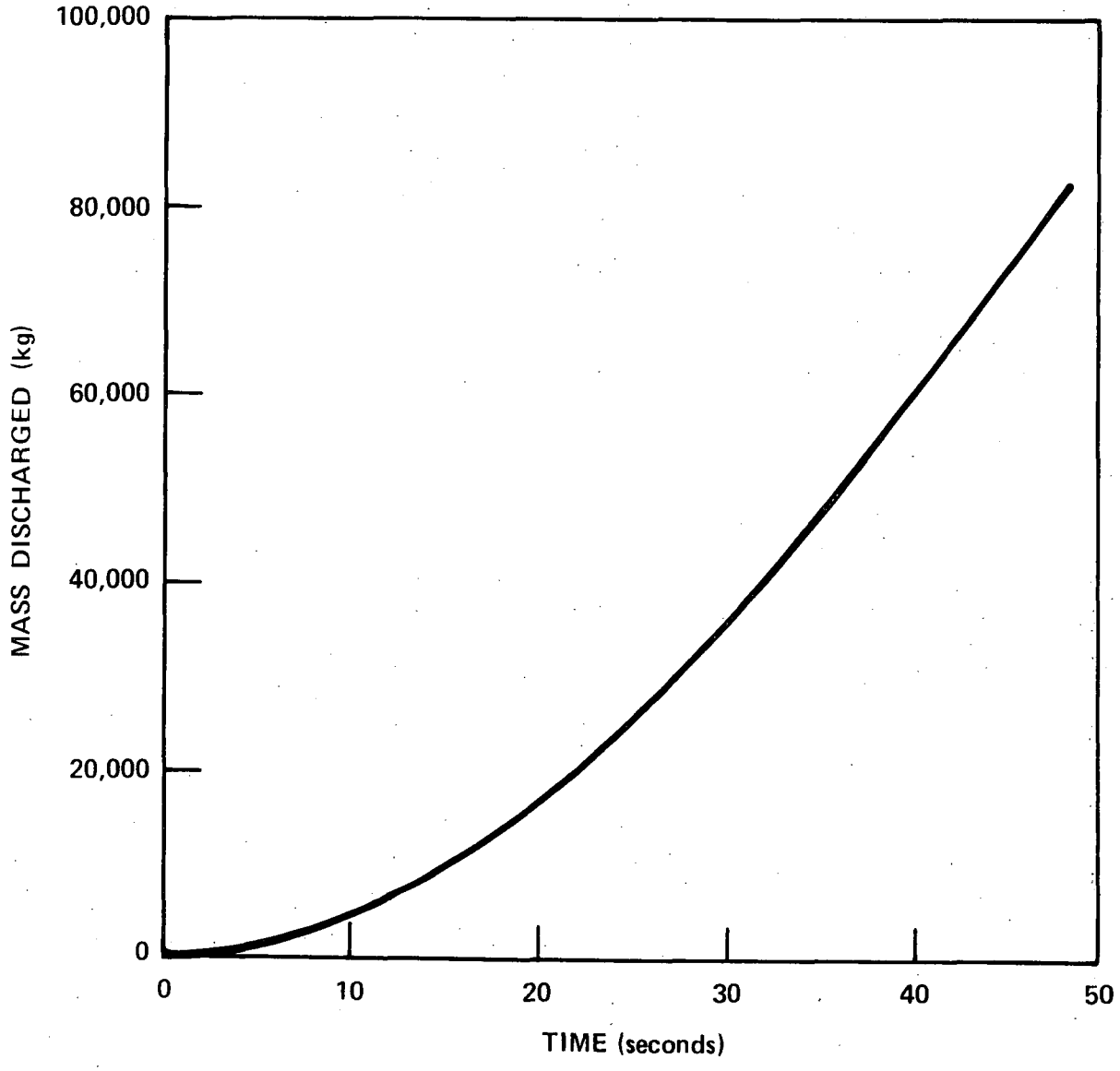


Figure 3.1.6-2. Drainage Rate Into the Lower Plenum

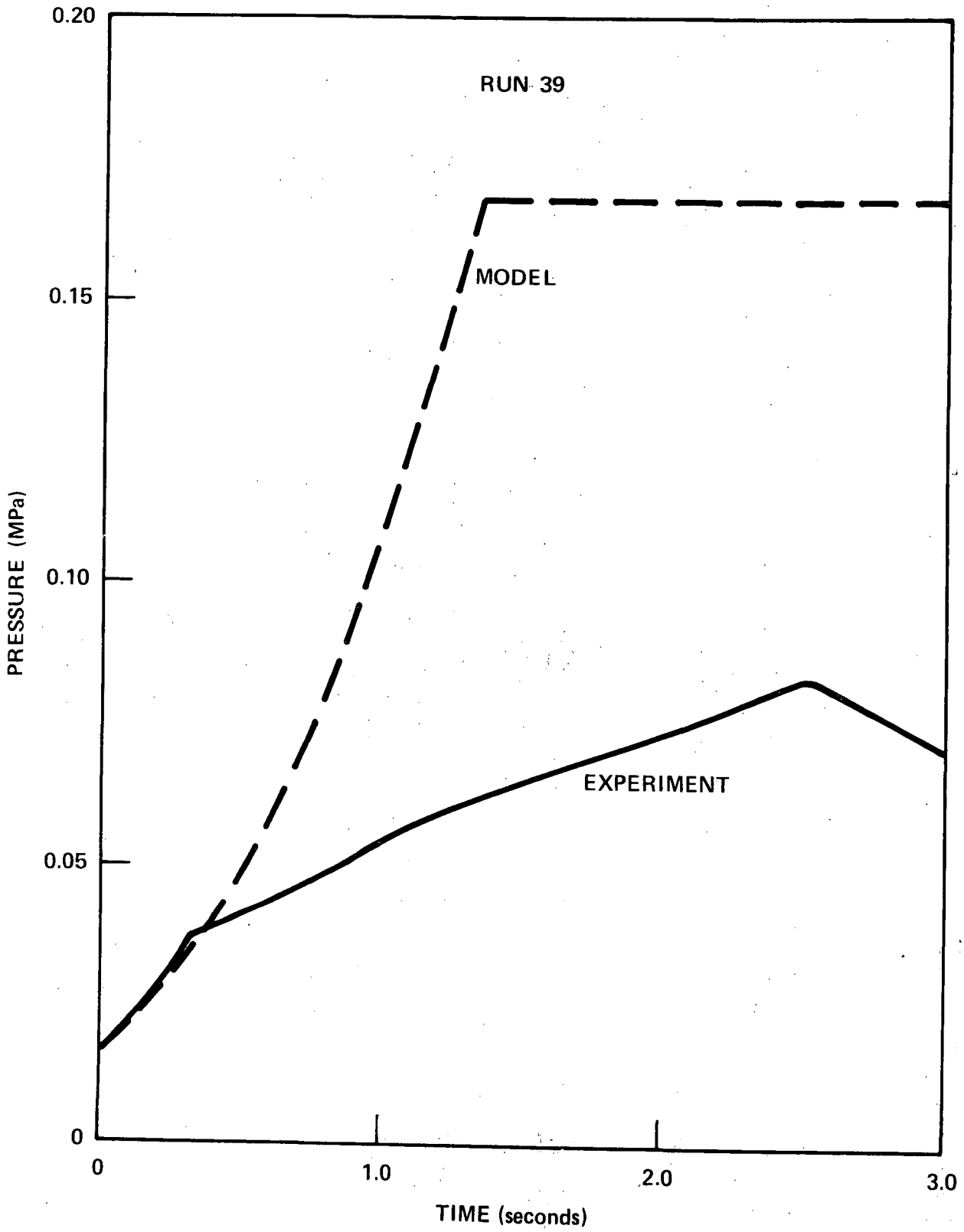


Figure 3.1.6-3. Comparison of CHF Limited Model and SS Data of Benz et.al.

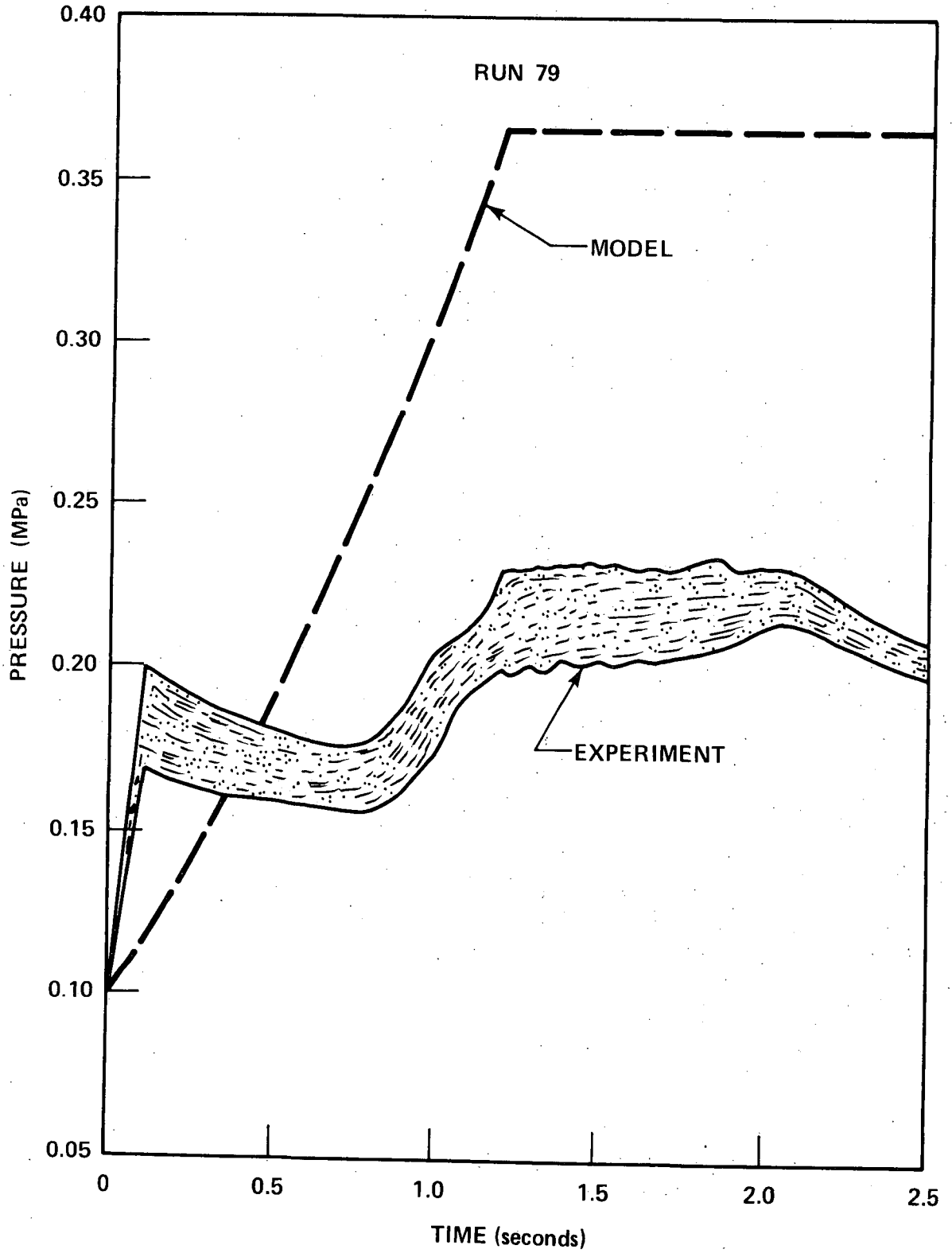


Figure 3.1.6-4. Comparison of CHF Limited Model and UO_2 Data of Benz et. al.

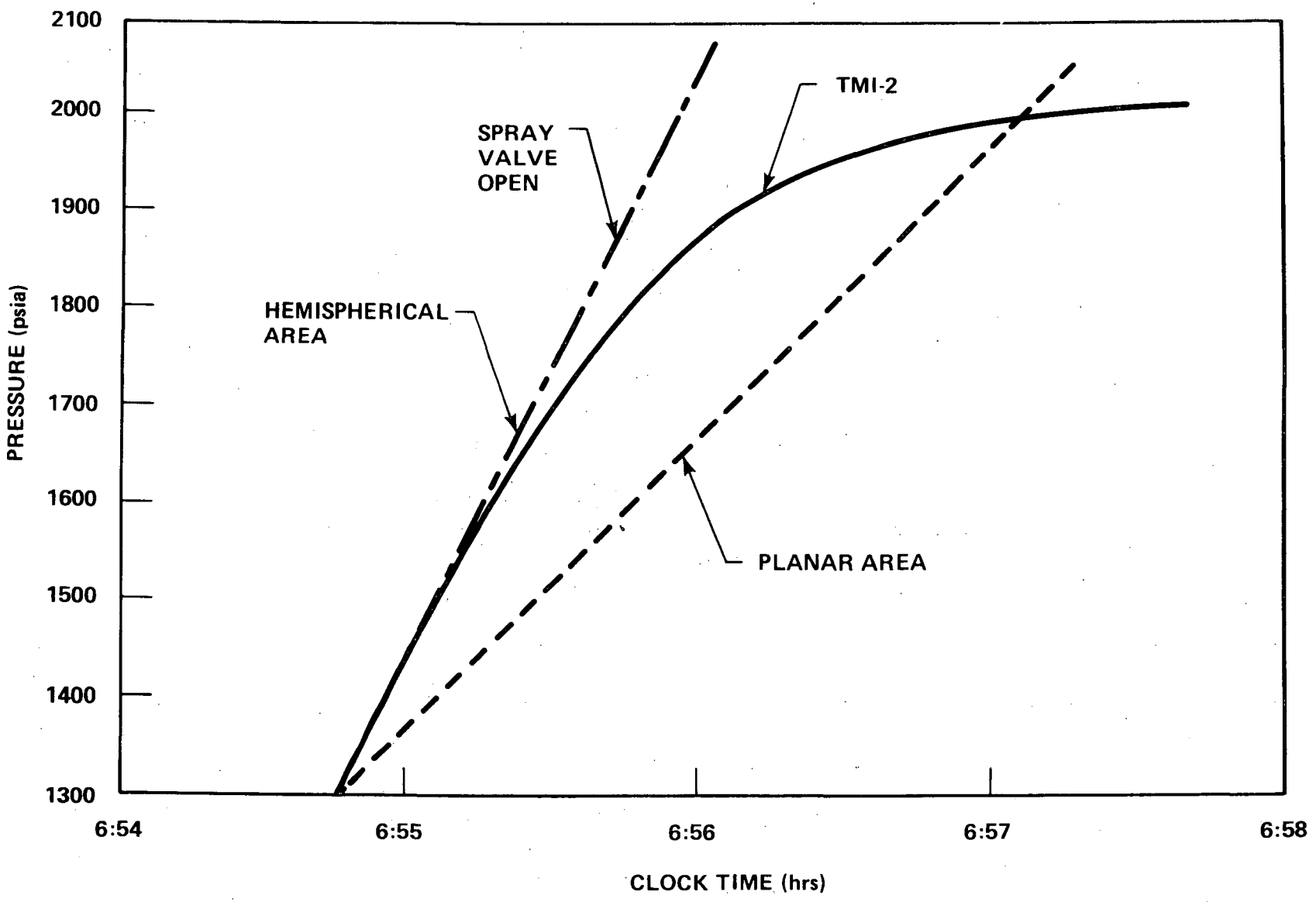


Figure 3.1.6-5. Comparison of CHF Pressure Rise with that of TMI-2

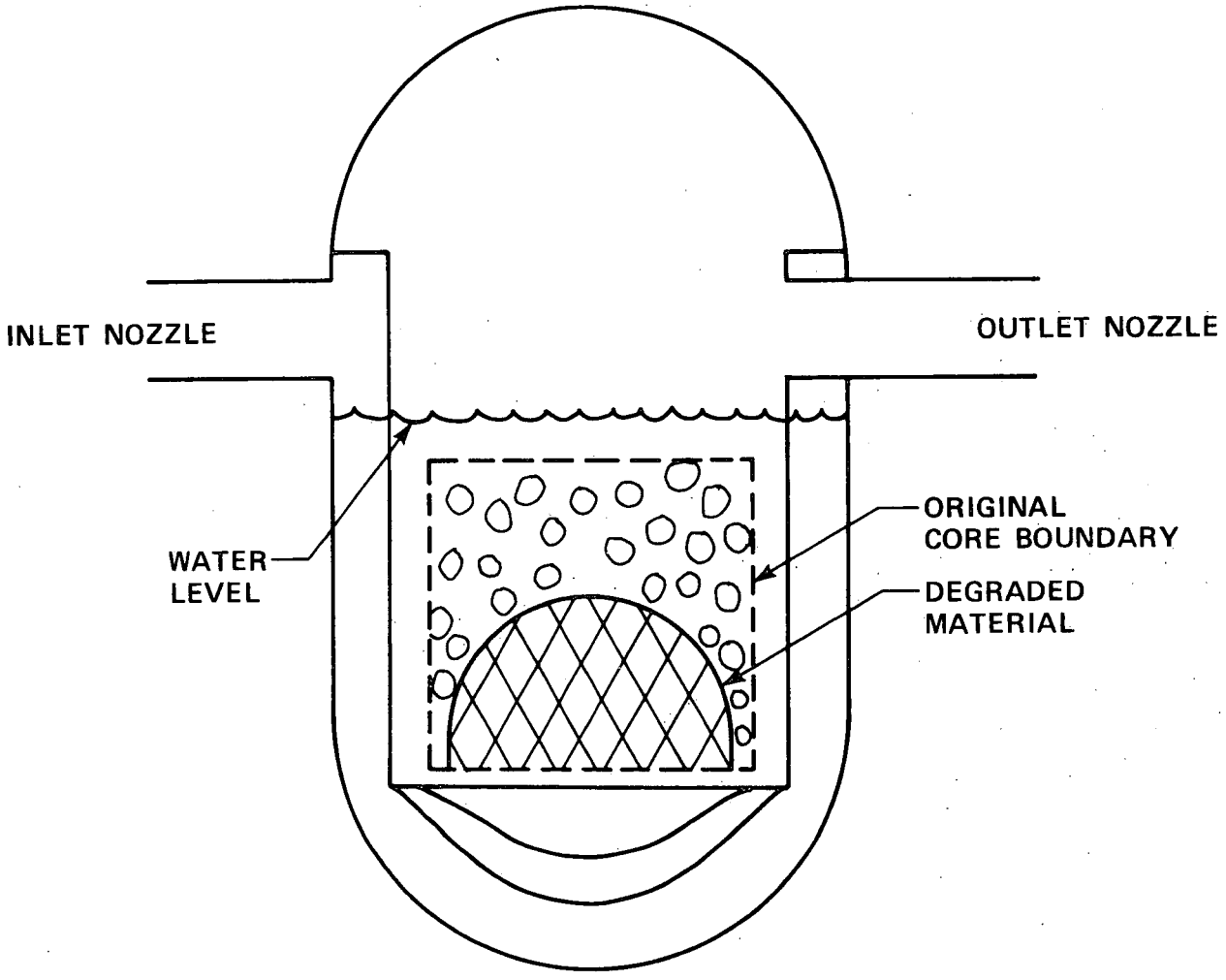


Figure 3.1.6-6. Configuration for Considering Forced Injection, In-Vessel Steam Spikes

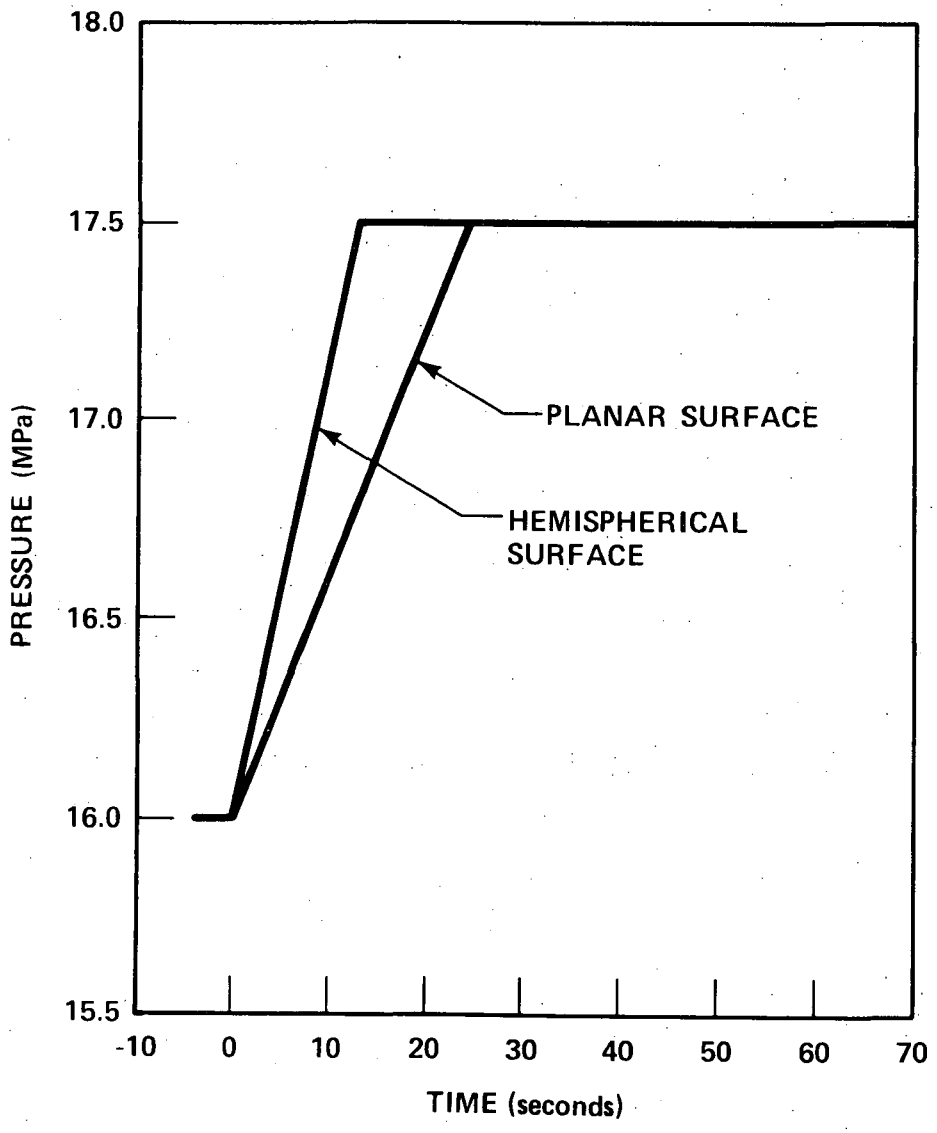


Figure 3.1.6-7. Indian Point RCS Response for Forced Injection Event

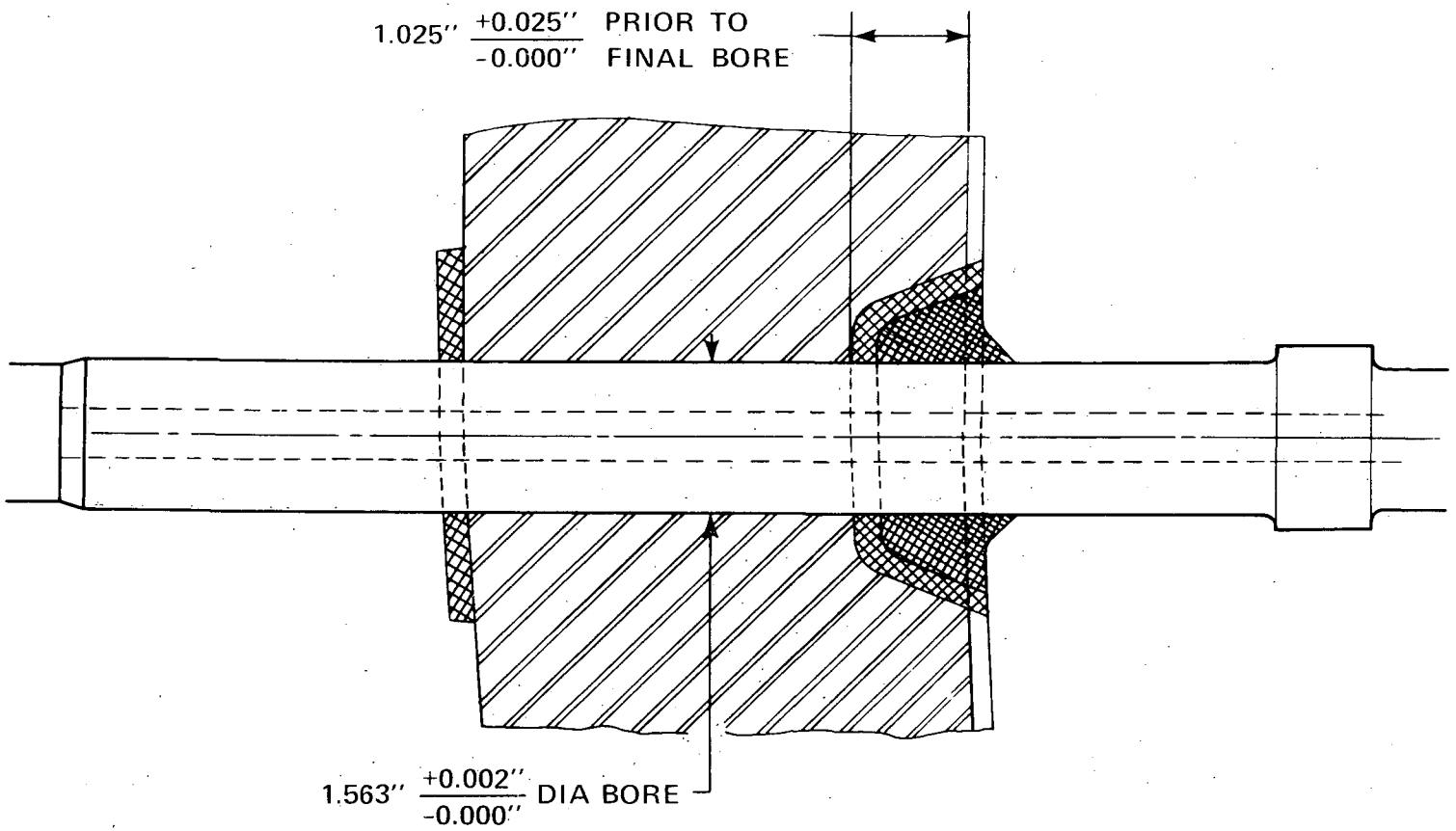


Figure 3.1.7-1. Instrumentation Nozzle – Vessel Weld

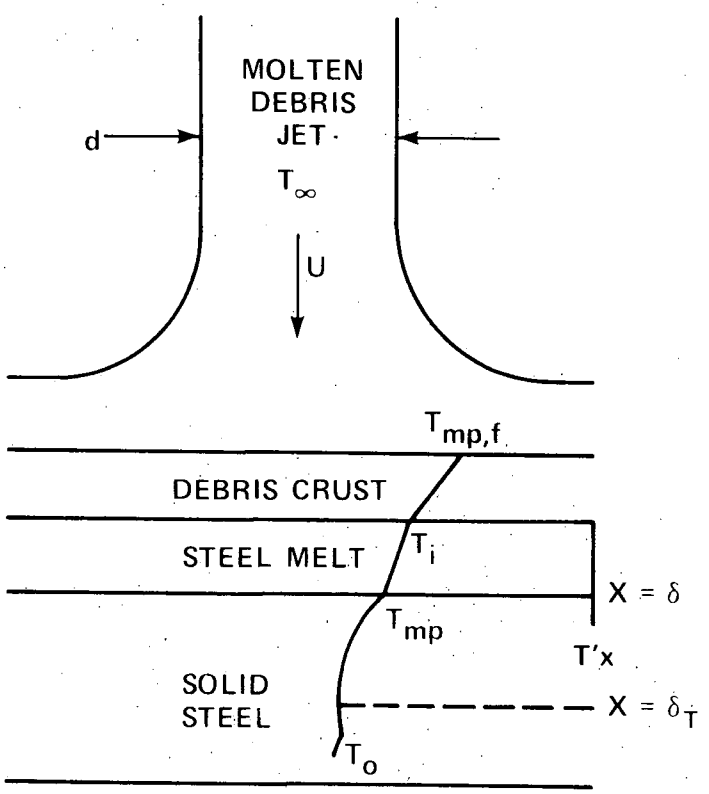


Figure 3.1.7-2. Schematic Diagram of Frozen Crust of Core Debris on Melting Steel Slab

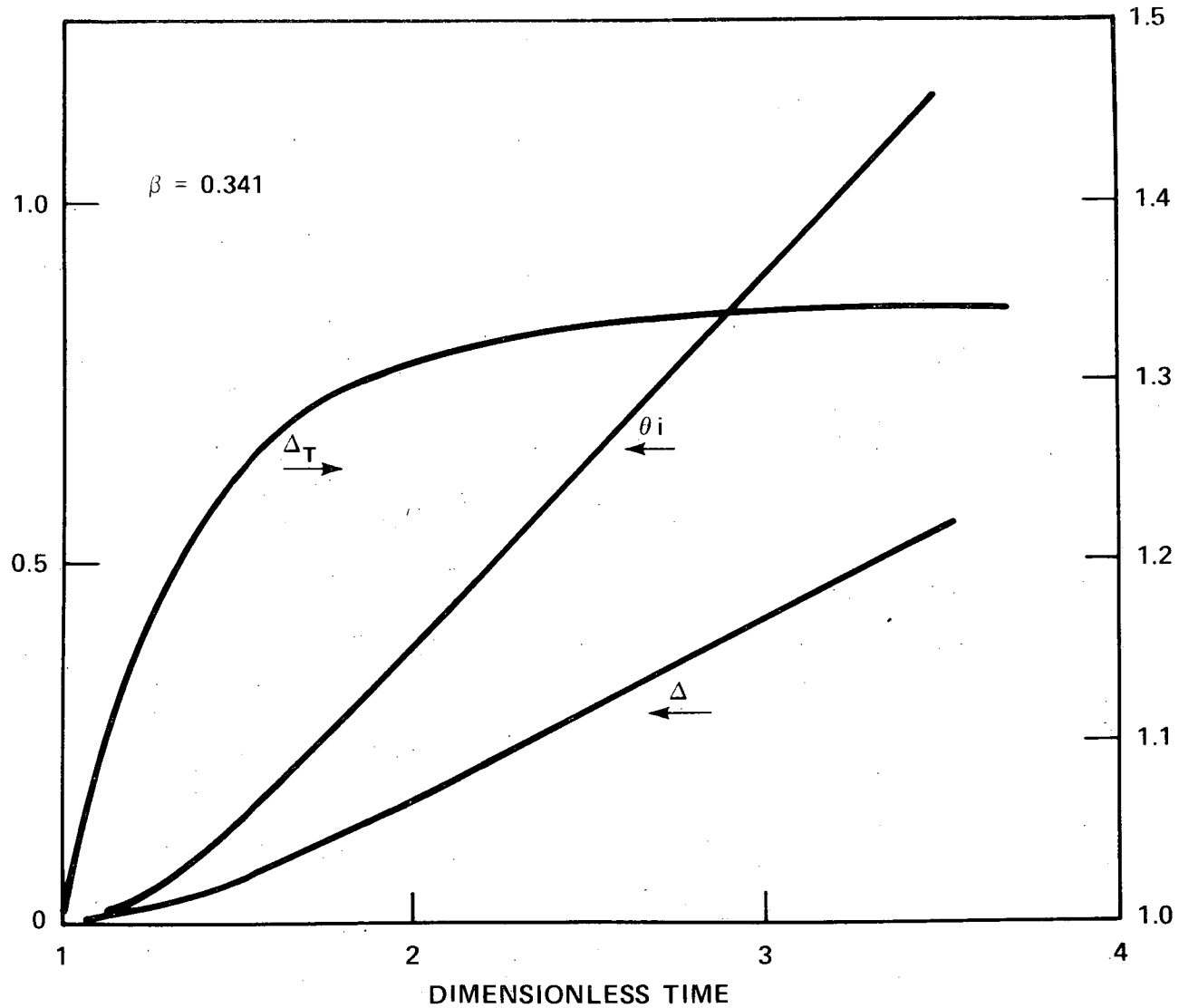


Figure 3.1.7-3. Δ_T, Δ, θ; Versus Time for β = 0.341

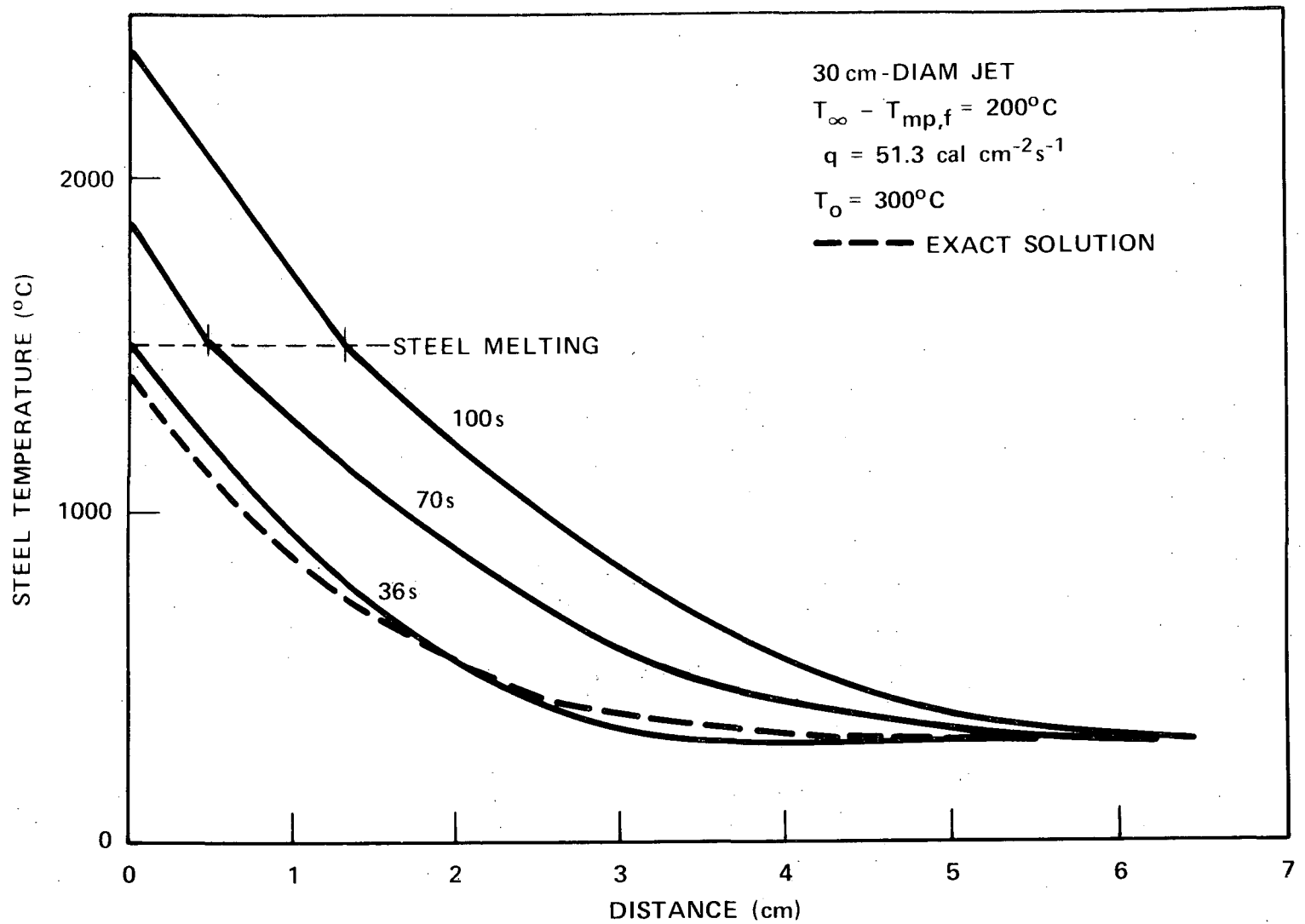


Figure 3.1.7-4. Effect of Time on Temperature Profile in Melting Steel Wall

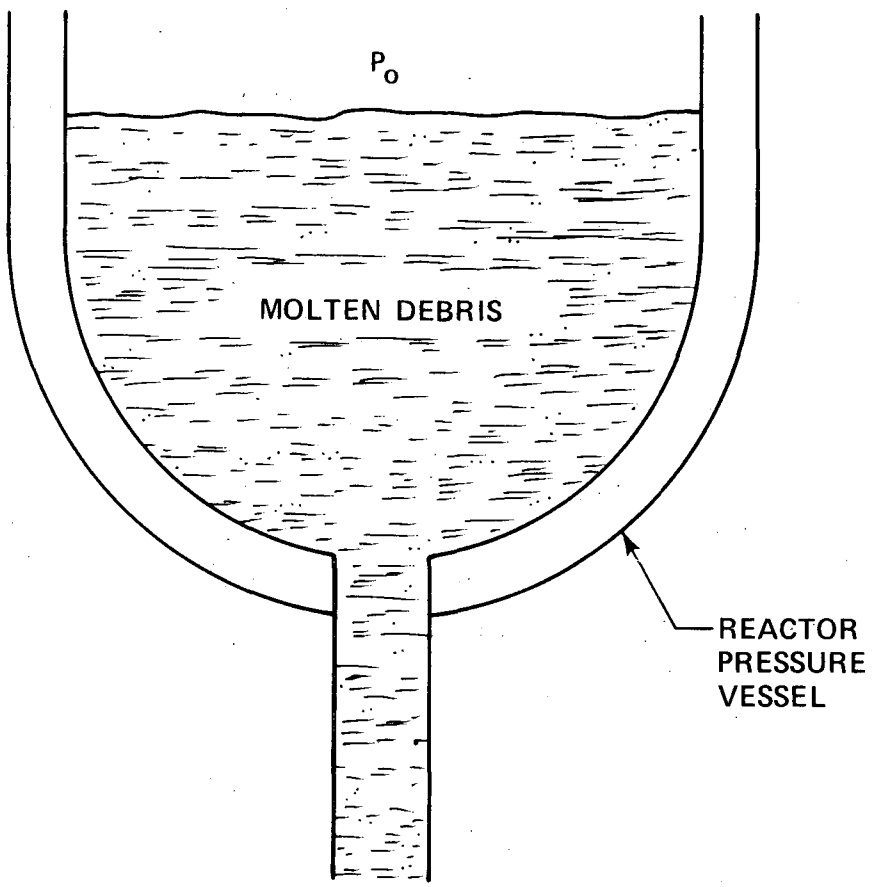


Figure 3.1.7-5. Ejection of Core Debris From the Vessel Following Failure of an Instrumentation Nozzle

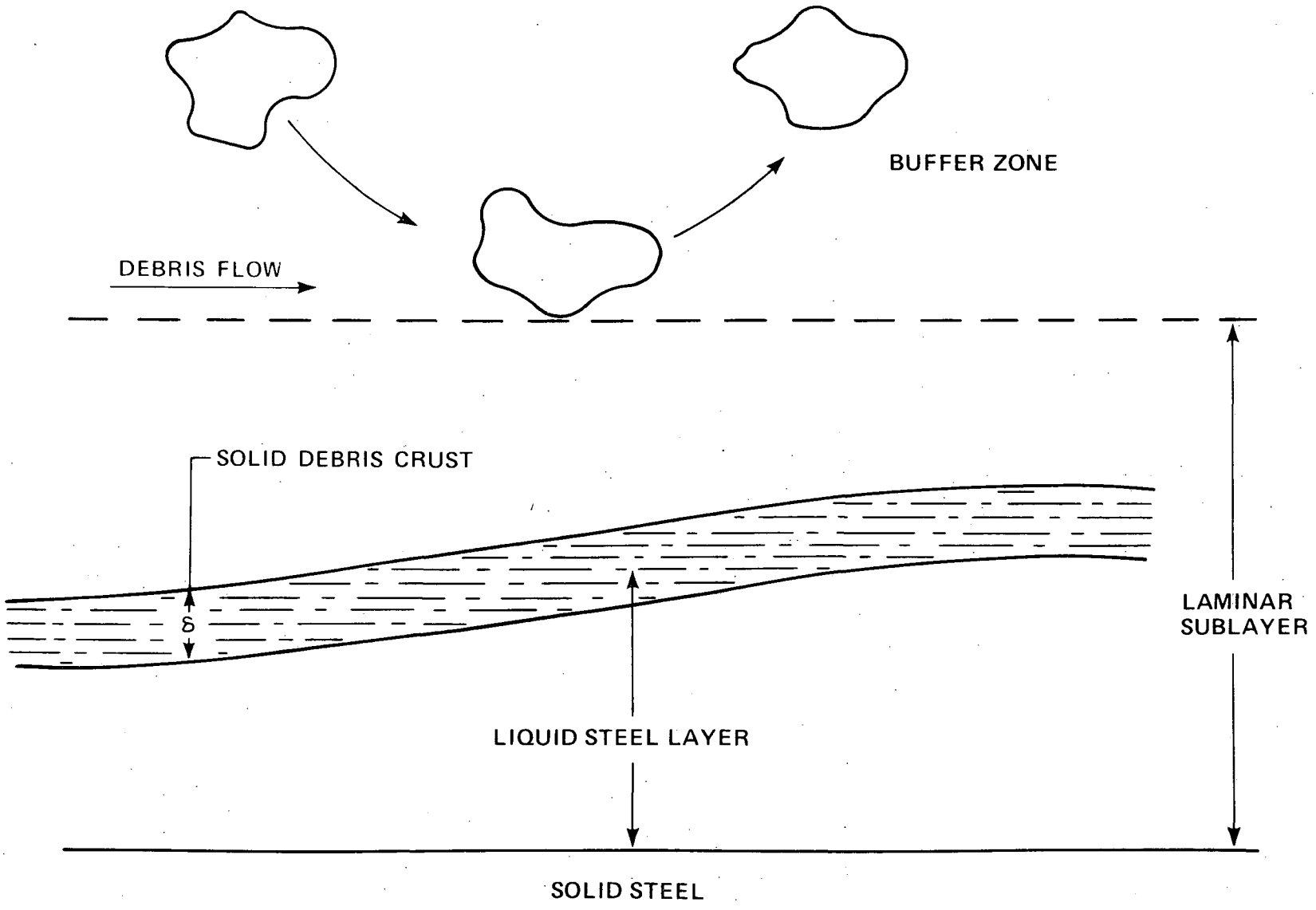


Figure 3.1.7-6. Crust Formation

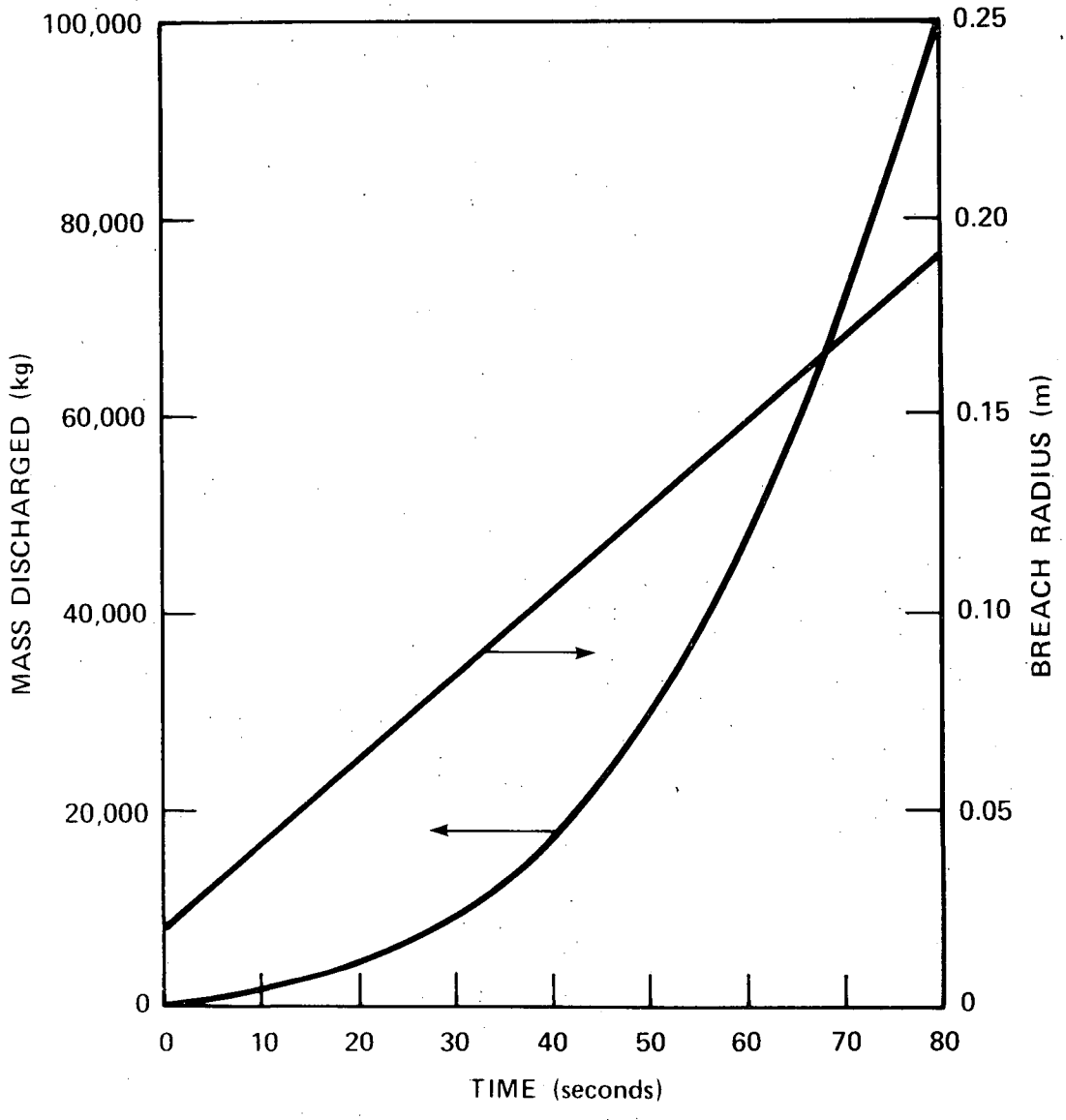


Figure 3.1.7-7. Mass Discharged as a Function of Time for a Large LOCA

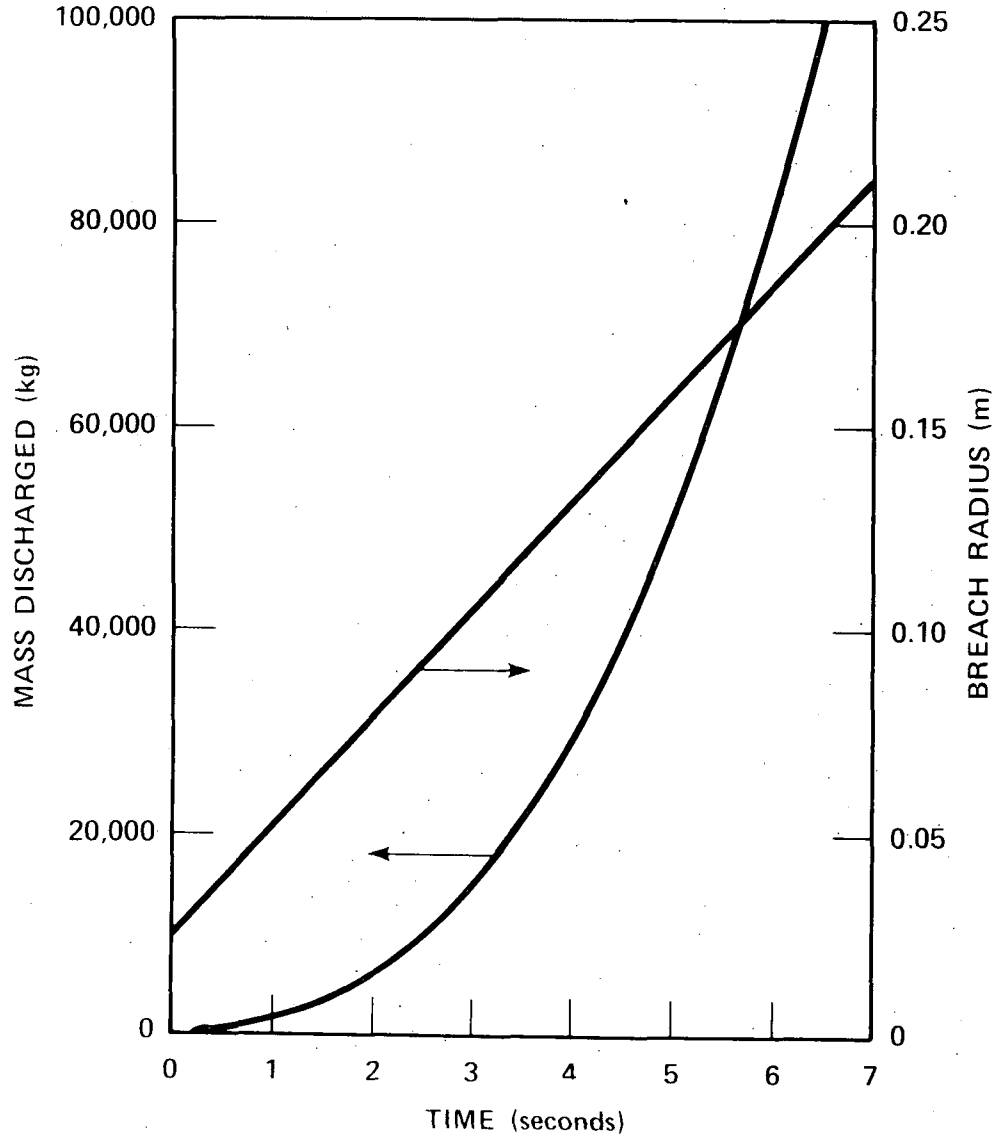


Figure 3.1.7-8. Mass Discharged as a Function of Time for a Small LOCA

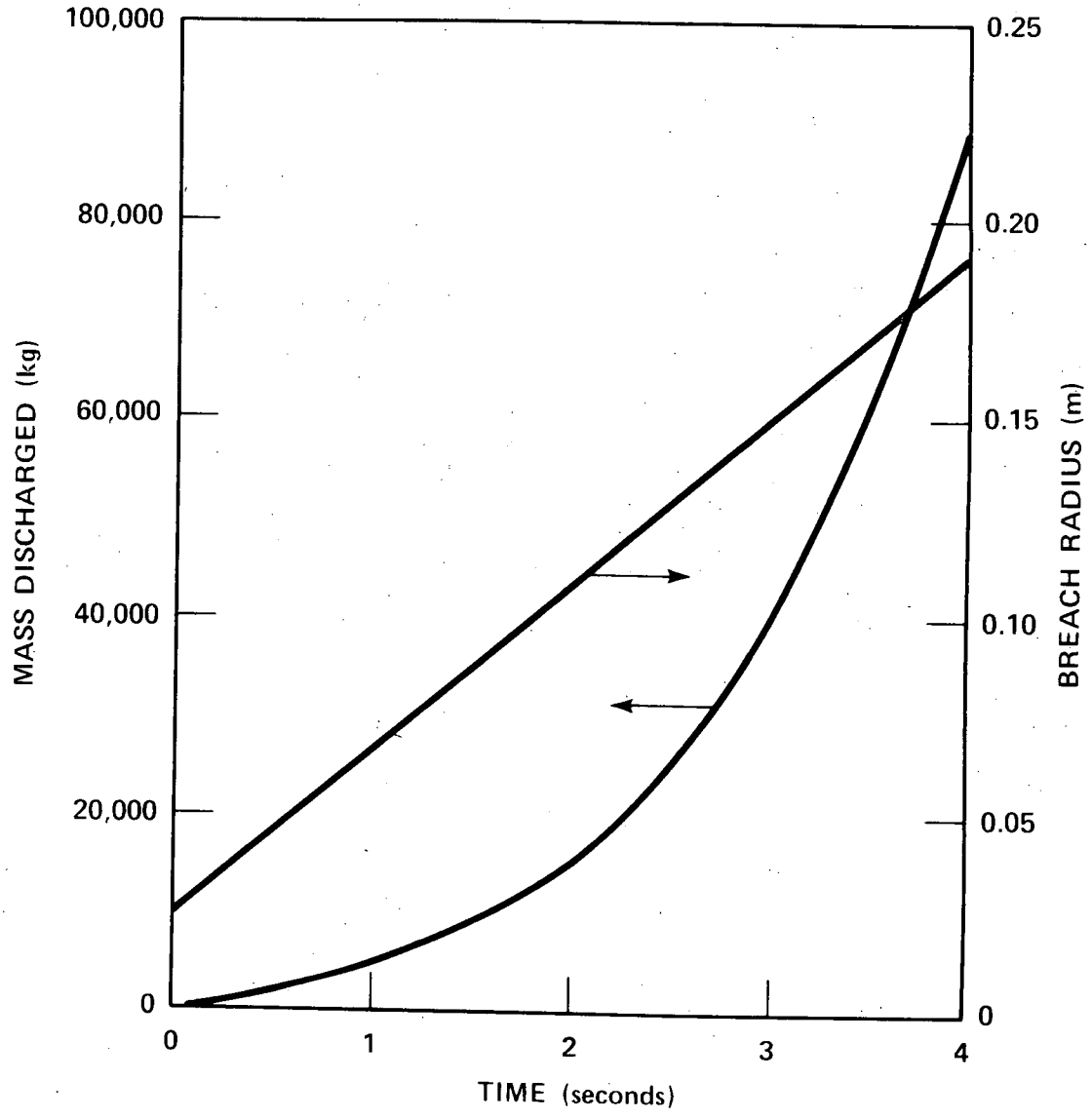


Figure 3.1.7-9. Mass Discharged as a Function of Time for a Transient Case

3.2 EX-VESSEL PHENOMENA

For those postulated accident sequences in which water is not supplied to the primary coolant system, the core material would eventually attack the reactor vessel thermally. When vessel failure occurs, the degraded core material would be released to the containment building. Depending on conditions within the primary system and the containment building at vessel failure, several processes and interactions must be considered in assessing the progression of events and the resulting effect on the containment. These processes include ex-vessel steam explosions, combustion of the hydrogen released from the primary system, the ultimate coolability of the debris in the ex-vessel configuration and, when applicable, thermal attack of the concrete by the core debris.

As discussed in Section 2, the postulated accident scenarios that lead to core melt conditions can be divided into three general categories for containment analyses: (1) large break LOCA, (2) small break LOCA, and (3) transient sequences. Although specific details of the accident progression may differ for various sequences within a given category, generalized primary system conditions at vessel failure can also be established for these categories.

1. For large break LOCA sequences, the primary system has been open since the initiation of the accident sequence. The primary system is depressurized to the containment pressure, and the hydrogen generated by the degradation process has been released to the containment before reactor vessel failure. This pressure will be taken to be 0.3 MPa for the discussions that follow.

2. Small break LOCA sequences that lead to core degradation would generally result in core uncovery with a significant pressure remaining within the primary system. For the calculations used in this section, this pressure is 7 MPa (∿ 1000 psia) which is above the accumulator discharge pressure of 4 MPa (∿ 600 psia). While some hydrogen would be released to the containment, most of it would be retained within the primary system until reactor vessel failure.

3. Transient sequences would result in core uncovery at pressures close to the nominal operating pressure. For evaluating the effects discussed in this section, a pressure of 17.2 MPa (∿ 2500 psia), which corresponds approximately to the set point of the pressurizer safety valves, was used for the transient sequences. In addition to the elevated primary system pressure, most of the hydrogen generated would be retained within the primary system until reactor vessel failure.

These conditions, particularly the large range in primary system pressures and the location of the hydrogen at vessel failure, are very different conditions to analyze both in terms of their overall effect on the containment and in terms of the various phenomena occurring after reactor vessel failure. Specifically, the elevated primary system pressure represents a significant dispersive mechanism for degraded material

released from the reactor vessel. The effects from this dispersive mechanism on the containment response are considerably different from the classical gravity drop formulation used in previous studies. This was realized early in this study. A specific node on the containment event tree addresses this phenomenon. An initial scoping formulation was developed to treat the effects that the dispersive mechanism has on the containment environment as a whole. Detailed study of the phenomenology related to reactor pressure vessel failure and material release characteristics revealed a distinct time phasing of the events immediately following the postulated vessel failure. The incorporation of the time phased nature of the event chain enabled the formulation of a representative description for the core material in the ex-vessel configuration and, consequently, a realistic assessment of the effects on the containment building and the environment.

For the higher probability paths in the containment event tree, and in particular, for the specific accident sequences resulting in an elevated primary system pressure, the time phased evaluations were incorporated.

Consequently, two event chains are treated in the phenomenological description. They are also discussed in the "Containment Transient Analysis" in Section 4.

1. Gravity Drop Model - This is used to analyze the behavior for a depressurized primary system; i.e., a large break LOCA. In this analysis, the degraded core material is released into the containment at a rate determined by the static head within the reactor vessel. In addition, the hydrogen generated before vessel failure by core degradation process is distributed within the containment environment before failure. There are two uses for this model. First, the model represents a realistic assessment of the ex-vessel events for the large break sequences, which also has some time phased features. Second, the model represents the low probability paths for the high pressure sequences for which strong dispersive forces are available, but are postulated to be ineffective.

2. Time Phased Dispersive Model - The sequence of events, their relative time scales, and their interrelationships are modeled to provide an accurate characterization of the effects on the containment building and environment. These analyses are used to address the higher probability paths in the containment event trees for small break LOCAs and transient sequences. More specifically, this model addresses the order of occurrence, the magnitude of quantities involved, the rate dependence and the governing mechanisms for these various processes. It also addresses the effect that any one occurrence, rate, etc., has on the rates and magnitudes of the processes which follow. In addition, a scoping model was used to study the sensitivities of the dispersive discharge for small break LOCAs and transient sequences. In general, it assumes that the high velocity gas stream, exhausting through the breach in the reactor vessel, entrains the molten core debris as 1 cm diameter particles and carries the material up into the containment building. The

release of the material and the steam/hydrogen mixture is simultaneous and lasts for only a few seconds. A coincident hydrogen burn was given a high probability for many of the cases considered.

Given this background, the phenomenology for the ex-vessel events will be discussed in the order of occurrence for these postulated severe accident sequences. Many of these are applicable to all the general sequence categories. When this is the case, representative magnitudes, rates, etc., will be given for the three different accident initiators. A phenomenon that is not applicable to a specific category will be clearly delineated.

The onset of vessel failure is characterized by the comparatively short time interval in which major and multiple events could act to substantially increase the loads on the containment structure. At this point, molten degraded core material would be released from the primary system with a significant amount of stored thermal energy. The sequence of events that follows this release could potentially involve

1. Ex-vessel steam explosions,

2. Direct concrete attack by the degraded core material released from the primary system,

3. Further oxidation of unreacted metal in the degraded core debris,

4. Substantial release of high pressure steam and hydrogen from the primary system, and

5. Combustion of the hydrogen released into the containment atmosphere.

These events could occur in a time scale that is short compared to the overall accident sequence. In many previous evaluations these events were assumed to be simultaneous and additive. However, some, or all, of these effects can have a substantial influence on the behavior of those that follow. Therefore, it is very important that these be considered in the proper sequence and with their relative time scales of occurrence so that an assessment of the overall containment response is representative of the processes occurring between the various phenomena. This evaluation provides the foundation for the dispersive model.

To determine the various time scales and interrelationships between the phenomena for the general sequence categories, the following phenomena shall be considered in chronological order:

1. Ex-Vessel Steam Explosions
2. Initial Steam Production
3. Continued Release of Core Debris
4. Concrete Attack By a Jet of Molten Core Debris
5. Dynamic Configuration of Molten Core Debris
6. Potential for Additional Steam Generation

7. Steam/Hydrogen Blowdown from the Primary System (Where applicable)
8. Removal of Core Debris from Reactor Cavity Region (Where applicable)
9. Vigorous Steaming From Core Debris on the Containment Floor
10. Additional Ex-Vessel Hydrogen Generation
11. Continued Steam/Hydrogen Release From the Vessel
12. Material Disposition After Release From the Primary System
13. Ex-Vessel Debris Bed Coolability
14. Establishment of a Heat Transport Cycle
15. Concrete Attack by a Bed of Overheated Core Debris

As will be seen, these phenomena are closely coupled and occur within a few minutes following the onset of vessel failure. A very specific chain of events would ensue, and it is imperative that these multiple events and their interrelationships be properly identified and evaluated in the assessment of these hypothetical accidents.

3.2.1 Ex-Vessel Steam Explosions

Given the specific containment design for the Indian Point Plants, if sufficient water is lost from the primary system to initiate a degraded core condition, water will accumulate within the reactor cavity and the instrument tunnel regions. The amount of water accumulated is dependent on such details as the availability of high pressure injection, the ability to recirculate water, the actuation of containment sprays, etc. To identify and discuss the various phenomena occurring immediately after the postulated vessel failure, it is not necessary to know the specific amount of water available. However, it is essential to know whether substantial water exists below the reactor vessel. As a reference value for the examples that follow, a water depth of 0.5 m is assumed. This corresponds to about 2300 kg of water (6400 gal).

At the onset of vessel failure, the discharge of degraded core material could occur with a velocity as high as 70 m/sec for the transient sequences, and as low as 3 m/sec for the noncoherent (50 percent) large break LOCA sequences (See Section 3.1.7). As this material is released from the reactor vessel and projected down into the reactor cavity, it would come in direct contact with the water accumulated in the cavity region. However, several independent large scale experiments on steam explosions (Refs. 3.1.5-13, 3.1.5-14 and 3.1.5-17) have shown that the explosion is triggered when the high temperature melt contacts a wetted solid surface, generally the lower surface of the water container. In this case, the lower surface would be the top of the concrete working slab in the reactor cavity region. The time interval before the molten core debris contacts this surface can be obtained by dividing the distance between the reactor vessel and the top of the working slab ($\sim$ 5 m) by the jet velocity which is applicable to the specific accident sequence analyzed. For a transient sequence, this would result in an ejection velocity of 70 m/sec, for a small break LOCA 45 m/sec, and for a large break LOCA approximately 4 m/sec. This results in time intervals of 70 ms, 111 ms, and 800 ms, respectively, for the sequence categories. This allows the analyst to identify the amount of material released from the primary system at the time of potential ex-vessel steam explosion. Whether the explosion occurs at this juncture, the potential for additional events would certainly be decreased since the water would be initially displaced from the area of sustained injection. Likewise, the magnitude of any subsequent interactions would be decreased since the core debris material in contact with the water would have been substantially cooled by radiation heat transfer alone.

At the potential initiation for this ex-vessel event, the amount of material that could effectively participate in a thermal explosion would be given by the amount of material below the water surface at this time. The amount of material is essentially the same for all the sequences considered, and would be equal to the product of the diameter of the initial vessel failure (the penetration diameter), the depth of the water, and the density of the degraded core debris. For the reference depth used in these calculations, this corresponds to approximately 7 kg of core material, that if assumed to have an initial temperature of 2200°C, would contain about 9 MJ of stored energy. Experiments have

been carried out with quantities of this magnitude and demonstrate a mechanical efficiency of 1 percent or less (Ref. 3.1.5-17). Using that as the basis for this interaction, the mechanical work delivered by such an interaction would be 90 kJ. This level is of negligible consequence for assessing the containment capability, but it could displace water and some core debris from the reactor cavity region. The particles of core debris could be considered as potential ignition sources if conditions that would support a global hydrogen burn exist. However, these ignition sources would be confined to the reactor cavity/instrument tunnel region. Therefore, if the flame temperature criterion, is not satisfied, it is very unlikely that any significant combustion would result from the dispersion of this limited material mass.

As illustrated by the above examples, and substantiated by experimental evidence taken in similar circumstances, an ex-vessel steam explosion for all sequences considered would involve only limited amounts of material. The major influence of this limited explosion would be the disposition of water and core debris within the lower regions of the containment building. Although multiple, simultaneous vessel failure sites can be postulated, the energy levels resulting from such events are sufficiently low that simultaneously occurring multiple failures, do not affect the conclusion. In addition, the time interval between the initial vessel failure and the onset of the explosive interaction is only 70 to 800 milliseconds. Hence, to have any influence, the events would have to be simultaneous.

3.2.2 Initial Steam Production

As the material is released from the primary system and a potential ex-vessel steam explosion occurs, the dispersion of core debris and water around the reactor cavity and instrument tunnel will result in extensive quenching of the core material. The time for the quenching is long compared to the explosive interaction, but short compared to the continued release of material from the reactor pressure vessel. Because of the dispersal provided by an ex-vessel steam explosion, this quenching rate and the resulting steam production will be comparatively rapid. It would involve all the core debris released from the vessel at the time of the interaction, including that which was outside the vessel and above the water level and therefore did not participate in the explosive event. For all the sequence categories, this would be $\sim$ 70 kg of core debris, which has a stored energy level of $\sim$ 90 MJ. Since this occurs over a short time frame in comparison with the continued discharge from the reactor vessel, the quenching process can be assumed to be instantaneous, with the resulting generated steam being added to the containment building atmosphere. In addition, the 70 kg of core debris could potentially be distributed outside the reactor cavity region. As with the material involved in an ex-vessel steam explosion, this material could act as an ignitor, but only in the reactor cavity and instrument tunnel regions unless the containment atmosphere were capable of supporting global combustion.

3.2.3 Continued Release of Core Debris

The ablation calculation outlined in Section 3.1.7.1 provides a method whereby the continued release of degraded core material from the breach in the reactor vessel can be tracked until the entire inventory is exhausted. One of the most important facets of this calculation is the time interval available for the discharge before the release of the steam/hydrogen mixture that pressurizes the primary system for those postulated events occurring at an elevated primary system pressure (e.g., small break LOCA and transient events). However, since an ex-vessel steam explosion could displace the water from the area immediately below the reactor vessel, there exists a potential for direct concrete attack by the sustained ejection of molten core debris from the reactor vessel. This potential for concrete attack would exist for all the sequences, but the highest velocity material jet would result from a transient sequence and the longest duration would occur for the large break LOCA sequences. The reactor vessel ablation calculation allows one to analyze the effect of such direct concrete attack over the time frame of the fuel release. In addition, the time frame for continued release of core debris also allows an estimate of the steam generation rates and the resulting changes in the containment building atmosphere.

3.2.4 Concrete Attack - Jet Effect

The previous calculations illustrate that an ex-vessel steam explosion could readily push the water out of the way, exposing the concrete to a high velocity jet of core debris. Erosion of the concrete surface could result. The extent of which is evaluated below.

For a debris jet impinging on a planar surface such as that shown in Figure 3.2.4-1, the Nusselt number (N_{Nu}) can be estimated from

$$N_{Nu} = 1.14 \left(N_{Re}\right)^{1/2}$$

This is the same relationship for stagnation point heat transfer used in evaluating the attack on the reactor vessel wall as the molten core debris dropped into the lower plenum of the vessel. In this relationship, the Reynolds number is given by

$$N_{Re} = \frac{\rho_F UD}{\mu_F}$$

where μ_F is the viscosity of the core material and D refers to the jet diameter. Substituting and solving for the stagnation point heat transfer coefficient gives

$$h_{SP} = 1.14\ k_F \left(\frac{U}{\nu_F D}\right)^{1/2}$$

This results in an initial heat transfer coefficient of about 186 kw/m^2°C for a fuel jet velocity of 70 m/sec (transient sequences and a diameter of 5 cm (initial penetration failure)). With this convective heat transfer behavior, the heat flux from the core debris jet to the concrete decrease as the jet diameter increases. To simplify the calculation, the jet attack is based on the average vessel breach diameter during the material discharge, which is virtually the same for all sequences (see Section 3.1.7). The jet diameter value used for the calculations is 0.14 m. The heat transfer coefficient for the transient evaluation is 111 kw/m^2°C and is assumed to remain constant during the discharge interval. For the other sequence categories, the calculated convective heat transfer coefficients would be 99 kw/m^2°C for the small break LOCA and 27 kw/m^2°C for the large break LOCA. The heat flux from the high temperature jet can then be calculated from

$$q/A = h_{SP}\ (T_F - T_{F,m})$$

where the driving temperature difference is the bulk value minus the melting temperature of the debris. As discussed in the section on

vessel failure, the instantaneous and renewable crust formation determines the temperature difference. For a temperature difference of 200°C, the imposed heat fluxes would be 22,200 kw/m^2, 18,000 kw/m^2, and 5,400 kw/m^2, respectively, for a transient event, a small break LOCA and a large break LOCA.

This heat flux would be directed at the concrete surface. Since concrete has a low thermal conductivity, the material would be unable to conduct away such a large imposed energy flux so that melting of the surface material would result. As discussed in Appendix 3.4.2, concrete does not exhibit significant spallation under a high imposed heat flux. Therefore, as with the vessel calculations, the heat flux can be related to a melting rate $\left(\frac{dz}{dt}\right)$ by

$$q/A = h_{SP}(T_F - T_{F,m}) = \rho_c \left[c_c\ (T_{c,m} - T_c) + \gamma_c\right] \frac{dz}{dt}$$

where γ_c is the latent heat of fusion for concrete melting. In addition, ρ_c is the density, c_c the specific heat, $T_{c,m}$ the concrete melting temperature, and T_c the initial temperature of the concrete working slab. The sensible heat of the concrete is assumed to be much greater than the heat of decomposition and the heat of fusion for the material. Thus γ_c will be neglected as will the vaporization of any water contained within the pores. This is an extremely conservative evaluation. The rate of concrete attack is then approximated by

$$\frac{dz}{dt} = h_{SP}\ (T_F - T_{F,m})\ /\rho_c c_c\ (T_{c,m} - T_c)$$

For an aggregate density of 2300 kg/m^3, a specific heat of 0.8 kJ/kg°C, an initial temperature of 100°C, and an assumed concrete melting temperature of 1100°C, this yields an ablation rate of 1.2 cm/sec for the transient, 1.0 cm/sec for the small break and 0.3 cm/sec for the large LOCA sequences. With a discharge time of 3.2 seconds for a postulated transient initiator (noncoherent progression) the total concrete penetration in this conservative evaluation would be only 4 cm; much less than the depth of the working slab ($\sim$ 60 cm). The 5 second discharge time associated with the material release in a noncoherent small break LOCA sequence yields a 5 cm penetration. A 60 second duration for the comparable large break sequence gives a calculated depth of 18 cm, also much less than the working slab thickness. In these calculations, the 1100°C temperature used for concrete melting is the lower bound of the spectrum for melting temperatures reported in Appendix 3.4.2. These are conservative estimates (overpredictions) of the penetration depths resulting from the jet of molten core material. However, even with these conservatisms, the ablation attack of the high temperature jet would not penetrate to the steel liner plate. Although the gaseous products from such concrete decomposition would inhibit the heat transfer to the concrete, this was not accounted for in this conservative calculation.

In addition to the depth of concrete penetration, one must also evaluate the volume of concrete attack in order to account for the noncondensable gases generated. The jet diameter at the end of vessel failure would be no larger than 40 cm. If the resulting area is doubled (since the jet flow must be reversed) and the cavity is assumed to be cylindrical with a maximum depth equal to the 18 cm calculated above, the resulting volume attacked would be 0.05 m^3, which corresponds to a mass of about 112 kg. The decomposition of this mass of material has a negligible effect on the containment building pressurization.

These estimates are valuable in scoping the extent of concrete attack initiated by the release of core debris from the reactor vessel. In this evaluation, only one penetration failure was assumed, since this would maximize the concrete attack. Also the evaluation does not account for the water trapped in the concrete pores, the additional cooling of water in the reactor cavity for longer discharge times, the decomposition heat, or the latent heat of fusion. In estimating the volume eroded, the entire cavity was assumed to have a depth equal to the maximum value. Therefore, this calculation will provide an upper estimate of the actual ablation resulting from such a vessel failure and material discharge mechanism. As a result of these small penetration depths, a very small probability was assigned to this node for containment failure on the containment event tree.

3.2.5 Dynamic Configuration of Molten Core Debris

For those postulated severe accident scenarios in which a substantial pressure is available within the primary system at vessel failure, the high velocity discharge of molten core debris into the reactor cavity/instrument tunnel region would have a pronounced effect on the dynamic configuration of the accumulated debris. As discussed in the previous subsections, such hypothetical accident initiators could be transients or small break LOCAs. A large break LOCA is not a part of this evaluation since the discharge rate would only be from the static head, which is a considerably lower velocity than those typified by the other two accident initiators.

As the material is discharged from the vessel, the high velocity jet would impinge on the concrete working slab and spread as shown in Figure 3.2.4-1. At the same time, it is also attacking the concrete as discussed in Subsection 3.2.4. Initially the spreading flow would be radial, but given the "keyhole" configuration of the reactor cavity/instrument tunnel region, the flow would quickly spread to the reactor cavity walls. It would then be directed through the instrument tunnel. In the Indian Point plants, the instrument tunnel runs horizontally from the reactor cavity for about 5 m and then runs upward at a sharp angle to the containment floor for approximately 8 m as shown in Figure 3.2.5-1. The instrument tunnel in the horizontal section is about 4 m high and 2 m wide at the junction with the upward shaft. (The reactor cavity/instrument tunnel is also accessed by a manway next to the biological shield, as illustrated in Figure 3.2.5-1.) As the flow is directed into the instrument tunnel region, the flow velocities would be sizable. That is, for an assumed depth of 0.1 m, the material velocity at the end of a transient sequence could be over 17 m/sec.

As the molten core debris flows through the instrument tunnel, the material momentum would be decreasing due to viscous shear in the melt. The magnitude of the viscous dissipation can be estimated from a turbulent boundary layer formulation. The shear stress varies with the Reynolds number that is given by

$$N_{Re} = \frac{Ux}{\nu_F}$$

where μ_F is the debris kinematic viscosity, and x is the distance along the surface in the direction of flow. For this order of magnitude representation, a value of 1 m is used which will overestimate the frictional term. Using a value of 5.7×10^{-7} m^2/sec for the kinematic viscosity as recommended in Ref. 3.2.5-1 yields a Reynolds number of 3×10^7. The turbulent drag coefficient corresponding to this value is about 0.0025. The shear force on an area 7 m long and of unit width is

$$F = 0.0025\ (7)\ \frac{\rho_F U^2}{2} = 17{,}700 \cdot N$$

for a velocity of 17 m/sec. This can be compared to the momentum of the stream:

$$F_M = \dot{m}U = \rho_F\ (0.1)\ U^2 \simeq 202{,}000\ N$$

which shows that the momentum is at least an order of magnitude larger than the shear force at the wall. As a result, only the potential flow characteristics need to be considered in the order of magnitude assessment.

Given such high velocities, the high density flowing stream would experience a hydraulic jump somewhere in the instrument tunnel region because of the steeply inclined shaft at the end of the horizontal section. Across a hydraulic jump, the energy is redistributed from a high velocity, low static head state to a low velocity, high static head. Figure 3.2.5-2 illustrates this for a flow stream of depth y_1, and velocity U_1 decelerating to a velocity U_2 with increased depth y_2. Equating the forces and momentum change between the two states results in

$$\int_0^{y_1} b\rho_f g y dy + \dot{m}_\ell U_1 = \int_0^{y_2} b\rho_F g y dy + \dot{m}_\ell U_2$$

where $\dot{m}_\ell$ is the liquid flow rate, and b is the width of the instrument tunnel. Carrying out the integration gives

$$\frac{gy_1^2}{2} + y_1U_1^2 = \frac{gy_2^2}{2} + y_2U_2^2$$

If the continuity relationship is used to eliminate the velocity U_2, the expression can be written as

$$\frac{gy_1^2}{2} + U_1^2y_1\ (1 - y_1/y_2) = \frac{gy_2^2}{2}$$

Solving for the depth y_2 in terms of y_1 yields

$$y_2 = \left[y_1^2 + \frac{2U_1^2y_1}{g}\ (1 - y_1/y_2)\right]^{1/2}$$

and if y_1/y_2 is much less than unity, the expression can be approximated by

$$y_2 = \left[y_1^2 + \frac{2U_1^2 y_1}{g} \right]^{1/2}$$

In general, the first term inside the brackets is small compared to the second term. Thus, the equation can be further simplified to

$$y_2 = U_1 \left(\frac{2y_1}{g} \right)^{1/2}$$

and since the flow rate in the instrument tunnel ($\dot{m}_\ell$) is given as

$$\dot{m}_\ell = \rho_F \, b y_1 U_1$$

the equation for the hydraulic jump height can be expressed in terms of the imposed liquid flow and the initial height (y_1):

$$y_2 = \frac{\dot{m}_\ell}{b\rho_F} \left(\frac{2}{g y_1} \right)^{1/2}$$

As illustrated, the jump height only varies as the square root of the initial height.

These calculations show the jump height to be relatively insensitive to the initial depth of the jet flow. To provide comparative values for this behavior in the particular accident initiators of interest, an initial depth of 0.1 m will be assumed and the flow rate, and thus the velocity, will be determined by the material discharge rate at the end of the discharge interval for the core debris.

For the transient case in which y_1 would be 0.1 m and U_1 would be 17 m/sec, the value for y_2 would be 2.4 m, i.e., the hydraulic jump would be substantial, and the assumption that y_1/y_2 is small compared to unity would be justified. If the approximate analysis is compared to the small break case, the vessel breach area at the end of the core debris discharge interval would be about 0.05 m^2 and the velocity would be 45 m/sec (reactor vessel pressure of 7 MPa). The material velocity in the instrument tunnel for an assumed depth of 0.1 m would be 11 m/sec and the value of y_2 would be 1.6 m, in which case y_1/y_2 would again be small compared to unity.

As a result of the dynamic forces inherent in the high velocity discharge of the molten core debris in the transient and small break scenarios, the configuration of the debris at the end of the liquid discharge interval would be similar to that illustrated in Figure 3.2.5-3. It is this configuraton which then corresponds to the subsequent high

velocity gaseous discharge of a steam/hydrogen mixture through the breach in the reactor pressure vessel. The effects of this discharge will be analyzed in the following section. Because of this configuration and the follow-on high velocity gas flow, these accident initiators were given a high probability of resulting in a dispersive behavior for the core debris.

For the large break LOCA, the dynamic behavior of the liquid discharge, while qualitatively the same, is correspondingly reduced in magnitude. For instance, with an assumed discharge velocity of 4 m/sec, a vessel breach area of 0.05 m^2, and a depth (y_1) in the instrument tunnel of 0.1 m, the depth would be 0.17 m after the hydraulic jump. This is a much smaller effect, but the most important difference is the depressurized state of the primary system, i.e., there would be no subsequent behavior to substantially change the pool configuration. Therefore, the hydraulic jump would subside after the liquid discharge interval. As a result of these considerations, the gravity drop behavior, for the large break LOCA sequence, was given a high probability of occurrence.

Given these order of magnitude representations of the jet behavior during the discharge, a configuration like that shown in Figure 3.2.5-3 is considered typical of the high probability path in the containment event tree for those postulated accident initiators in which the primary system is at an elevated pressure at reactor vessel failure. For hypothesized deviations from such a path and their corresponding effects, the low probablity path of a gravity drop condition was also included.

3.2.6 Potential for Additional Steam Generation

Following the initial ex-vessel steam explosion, portions of the water and core debris could be displaced from the reactor cavity and instrument tunnel region. The continued discharge of the core material into the reactor cavity would not only attempt to thermally attack the concrete working slab, but would also attempt to displace water from the region below the reactor vessel. For the loss-of-power transients and small break LOCAs, this core material discharge could occur within 4 to 10 seconds following the initial ex-vessel steam explosion. This time interval is relatively long when compared to that required for return of water to the reactor cavity. For the large break LOCAs, this discharge could take about 80 seconds, with considerable debris cooling occurring during the discharge interval. As the water attempts to contact, and perhaps cover, the spreading pool of degraded core material, the potential for both additional ex-vessel steam explosions and continued steam production exists. The combination of this additional steaming rate and some additional ex-vessel steam explosions would be a self-limiting process for all the general categories considered. More specifically, excessive steam production would impede water from returning to the reactor cavity region, negligible steam production would allow significant water to spill over the curb and enter the instrument tunnel and the manway and then into the reactor cavity. Consequently, one potential limiting mechanism for the quenching rate could be the flooding of water in the instrument tunnel. As an average representation of these transient processes, the steaming rate can be assessed based on a liquid film flooding velocity (U_v) as given by the Kutateladze expression:

$$U_v = \frac{3.0 \left(g\sigma(\rho_f - \rho_g)\right)^{1/4}}{\left(\rho_g\right)^{1/2}}$$

where σ is the liquid-vapor surface tension, g is the acceleration of gravity, ρ_f is the density of saturated liquid at the containment pressure, and ρ_g is the density of saturated vapor at the same pressure. This flooding velocity can be assigned to the total cross-sectional area represented by the instrument tunnel and the manway, which is approximately 9 m^2. The mass flow rate ($\dot{M}_v$) represented by this steaming rate is then expressed by

$$\dot{M}_v = \rho_g A_{it} U_v$$

where A_{it} is the total area of the instrument tunnel and the manway in which the flooding limitation occurs. The vaporization rate ($\dot{q}$) is given by the product of the mass flow rate and the latent heat of vaporization (h_{fg}) at the containment pressure:

$$\dot{q} = \dot{M}_v h_{fg}$$

This value, minus the instantaneous decay power produced in the core debris, represents the net quenching rate for the core material. It also represents the rate at which steam is generated and deposited in the containment atmosphere during the release of degraded core material from the reactor vessel.

For example, the instrument tunnel cross-sectional area is 9 square meters and the containment pressure at the time of reactor vessel failure is 0.2 MPa. For these conditions, the water and vapor densities are 943 kg/m^3 and 1.13 kg/m^3 respectively, the surface tension is 0.055 N/m and the latent heat of vaporization is 2202 kJ/kg. The vapor superficial velocity predicted by the above equation is 13.4 m/sec so that the steam mass flow rate is 136 kg/sec which yields a steaming rate of 300 Mw. Assuming the decay power generated in the melt at this point is 20 Mw, the effective quenching rate for the degraded core material would be 280 Mw. It is assumed to remain constant during the discharge of material through the breach in the reactor vessel. (Note that as the steam increases the containment pressure, the quenching rate, based on the flooding limitation, will increase.) The steam produced by this self-limiting, hydrodynamic phenomenon accumulates in the containment building during the material release, as defined by the ablation equation, before the hydrogen/steam mixture is released from the primary system for the small break LOCA or transient sequences.

This last point is particularly important for assessing the small break and transient sequences since the hydrogen, which is generally contained within the primary system, is not released to the containment atmosphere before substantial steam is generated by the release of core debris. Although this time frame is quite short compared to the overall transient being analyzed, these events occur in a very specific order and their interrelationship should be evaluated relative to the proper sequence. For the large break LOCA sequences, the hydrogen produced as a result of the postulated degradation would have already been released to the containment. The principal importance of such a quenching calculation would be to estimate the rate at which steam generation would be occurring so that the pressurization history within the containment building can be calculated. For the large break sequence in which the degraded core debris is assumed to remain within the reactor cavity, a quenching rate of 280 Mw would require almost 4 minutes to quench a 50 percent release (noncoherent) and 6 minutes to cool an 80 percent (coherent) release, which is only 4 to 6 times the required discharge interval, i.e. the core material is quenched almost as rapidly as it is released to the containment. This is essentially the assumption made in the integrated system models, the only exception being the rate of quenching used in the calculations is considerably faster than those discussed herein. Therefore, the results, which are presented in Section 4, are conservative estimates for containment pressure because the time available to remove energy through the containment heat sinks is shorter in the system calculations. These are the time intervals during which the continued steaming in the reactor cavity would be generating steam at a rate of 300 Mw. After the quenching is completed, the steaming rate would decrease to the 20 Mw decay power level. (This represents the total decay power in the melt, including that material

left in the reactor vessel. This remaining material could eventually spill out of the vessel and become part of the debris bed. Therefore, it is included in the assessment.)

The flooding mechanism is one potential limiting process. Another that could apply, especially for the large break sequences, would be the CHF condition at the surface of the melt as illustrated in Fig. 3.2.6-1. This mechanism would suggest that the material cannot quench faster than the maximum rate at which vapor can escape through an overlying water pool. As discussed with regards to in-vessel phenomena, a CHF limited mechanism is greatly dependent on the subcooling of the overlying pool, which would have an influence on the energy removal rate. This can be illustrated by an example: for the containment pressure of 0.2 MPa used in the above flooding assessment, the saturated CHF heat flux would be about 1550 kw/m^2 and with a cavity area of approximately 50 m^2, this would correspond to a steaming rate of 77.5 Mw, which would be limiting in comparison with the flooding mechanism. However, if the bulk temperature of the water in the cavity is 40°C at this pressure, the subcooled CHF heat flux would be about 5200 kw/m^2. The resulting quenching rate could potentially be as large as the product of the subcooled heat flux and the surface area; i.e. $\sim$ 260 Mw. The steaming rate would still be essentially that limited by the saturated CHF model. The difference between these two mechanisms will increase the sensible heat in the water. Consequently, the limiting mechanism is dependent on the accident scenario, but for the high pressure cases, the discharge interval is so short that there is little difference in the influence on the containment. For large break LOCA conditions, the CHF mechanism will generally be the limiting phenomenon.

For the sequences with an elevated system pressure, the continued quenching of the core material in the reactor cavity region is interrupted at the end of the material discharge interval by the blowdown of the high pressure steam/hydrogen mixture. The forces and time scales for such a blowdown are discussed in the following section.

3.2.7 Steam/Hydrogen Blowdown from the Primary System

At this juncture in the scenario (i.e., vessel failure), there would be a major difference between the ex-vessel event progression for the large break LOCA versus the small break LOCA and transients because of the elevated primary system pressure in the latter two sequences. Consequently, this subsection only pertains (in a physical manner) to small break and transient sequences.

Following the release of degraded core material from the reactor pressure vessel, the steam/hydrogen mixture will be discharged from the system for those defined accident scenarios in which the primary system has remained at an elevated pressure. For such sequences, this represents a large volume of gas with a pressure, potentially equal to or slightly above the nominal operating pressure, being discharged through a vessel breach that could be as large as 40 cm in diameter. For the small break LOCA sequence, a characteristic primary system pressure at the time of the gaseous discharge could be 7 MPa. The discharge of this vapor/gas mixture would be determined by the compressible flow characteristics of the mixture with the primary system pressure greater than approximately twice the containment pressure. The resulting dynamics of the process must be based on this compressible flow behavior, which can be treated as being isothermal to simplify the calculations for these illustrative examples. This also provides a representation of heat transferred to the gas as it attempts to expand and cool below the temperatures of the surrounding structural components. The sonic velocity (c), corresponding to an isothermal discharge of a gaseous mixture, can be expressed by

$$c = (RT)^{1/2}$$

where R is the gas constant for the specific mixture and T is the temperature of the mixture, that was taken to be 600°K in these calculations. As the high velocity stream passes through the reactor vessel breach, it will have a static pressure about 60 percent of the primary system pressure at any instant. (The critical pressure ratio for an isothermal expansion is 0.6.) Since the gas mixture pressure is substantially above the containment pressure, additional acceleration will occur in the unbounded, single phase, compressible jet. The asymptotic velocity, U_a, achieved by this unbounded expansion is given by (Ref. 3.2.7-1)

$$U_a = \frac{P_t - P_a}{G_t} + U_t$$

where U_t is the isothermal velocity of the throat and is equal to the sonic velocity (c). In this expression, G_t is the flow rate per unit area at the throat location, P_t is the pressure at the throat, and P_a is the pressure in the reactor cavity at any instant in time. Assuming an equal volume mixture of steam and hydrogen, the isothermal velocity at the throat would be 707 m/sec. Assuming that the primary

system pressure at the initiation of the steam/hydrogen release is 15 MPa (transient), the throat pressure in the breach of the reactor vessel would be 9 MPa, and the gas density at the vessel breach would be 18 kilograms per cubic meter. This results in a mass flow rate per unit area of approximately 12,770 kg/m^2-sec. Assuming the containment atmosphere at this time is 0.1 MPa, the resulting supersonic velocity for the unbounded expansion of the single phase, critical flow jet is approximately 1400 m/sec for both types of accident initiators. This supersonic velocity jet is directed toward the pool of degraded core material which has accumulated in the reactor cavity region. The stagnation of this supersonic jet would have a major influence on the ultimate distribution of accumulated degraded core material. The stagnation pressure, P_o, can be calculated for an assumed isothermal process as

$$-\int_{p_a}^{p_o} vdp = \int_{u_a}^{o} udu$$

For a small break initiator, the primary system pressure at reactor vessel failure could typically be 7 MPa, which would produce a pressure of 4.2 MPa at the breach. The resulting flow rate for these conditions would be approximately 6000 kg/m^2-sec.

3.2.8 Removal of Core Debris From Reactor Cavity Region

In conjunction with the dynamic considerations for the molten core debris, the subsequent discharge of high pressure steam and hydrogen would have a substantial influence on the ultimate disposition of the degraded core material. Before considering the ultimate effects, it is instructive to consider the initial influence of the high pressure gaseous discharge even if the hydraulic jump configuration discussed previously is not established and the molten material is initially configured as a quiescent liquid pool.

As the high velocity steam/hydrogen mixture impacts on the upper surface of the quiescent pool, the supersonic flow is stagnated and diverted at a right angle. Carrying out the foregoing integration for an assumed isothermal process yields

$$\ln \left[\frac{P_o}{P_a} \right] = \frac{U_a^2}{2RT}$$

For an equal volume mixture traveling at 1400 m/sec, the stagnation pressure ratio is almost 0.7 MPa. Thus, for a containment pressure of 0.1 MPa, the isothermal stagnation pressure on the surface of the molten debris pool would be 0.7 MPa. This pressure is imposed on the liquid surface that would deform by moving downward, and the stagnation pressure would represent the total pressure along a streamline in the moving liquid. Consequently, the downward liquid velocity (U_d) can be estimated by

$$U_d = \left[\frac{2(P_o - P_a)}{\rho_f} \right]^{1/2}$$

where ρ_f is the molten core debris density. This would produce a downward velocity of about 14 m/sec.

Given this downward velocity of the pool that is in immediate contact with the jet, and an assumed initial pool depth of 0.3 m, the material would be expelled from the original impact area in about 0.020 secs. Therefore, the distorted surface would consist of a high amplitude, narrow "ring" as shown in Figure 3.2.8-1. After this interval, the steam/hydrogen gas jet will penetrate to the floor of the reactor cavity where it stagnates and reverses as also shown in this figure. With this highly distorted liquid surface and the high velocity gas flow out of the cavity region, the initial material removed would occur as a result of a breakdown of the distorted ring and entrainment of the resultant debris in the gas stream. The particle size of the debris material can be estimated from the levitation in the high velocity gas flow.

The drag force (F_D) on a spherical particle is given by

$$F_D = C_D \pi r_P^2 \left(\frac{\rho_g U_g^2}{2} \right)$$

where C_D is the drag coefficient, r_P is the radius of the particle, ρ_g is the density of the stream, and U_g is the velocity of the gas stream. For a sphere in an infinite flow field, the drag coefficient for high velocity flow is about 0.5, which is the value used in these calculations (Ref. 3.2.8-1). However, for a dense array of entrained masses, the drag coefficient could be considerably greater than the above value. This would mean that the gas stream would be far more efficient in the entrainment and removal processes than is credited in these calculations. If the drag force is equated to the weight of the sphere, the expression for the radius, as a function of the gas velocity, is given by

$$r_P = \frac{3}{16} \frac{\rho_g U_g^2}{\rho_F g}$$

where g is the acceleration of gravity. The velocity of the gas in the manway and instrument tunnel can be estimated from the blowdown rate through the reactor vessel breach, the density at the containment pressure, and sum of the cross-sectional areas of the instrument tunnel and manway, A_{it}. For a transient sequence, the pressure in the primary system at the time of reactor vessel failure could be about 15 MPa. With a breach diameter of 0.34 m, the resulting gas discharge rate would be approximately 1160 kg/sec. If the containment pressure at the time of vessel failure is 0.3 MPa, the density for an equal molar mixture of hydrogen and steam at an assumed temperature of 300°C would be 0.6 kg/m^3, and the corresponding velocity in the instrument tunnel ($A_{it} \sim 9$ m^2) would be about 215 m/sec. Given these conditions, the particle that could be entrained and levitated would be about 15 cm (about 6 inches) in diameter. Thus, the breakdown of the material in the distorted ring would be in the form of large particles entrained in the gas stream.

As the gas discharge continues, the impingement and reversal of the steam/hydrogen jet, as illustrated in Figure 3.2.8-2, requires an average pressure on the concrete, P_i, interface which can be expressed as

$$(P_i - P_a) \cdot (A_a + A_1) = W_g (U_a + U_1)$$

where A_a is the area of the gas jet at the asymptotic diameter, A_1 is the area available for the gas flow after reversal; and U_1 is the average velocity after reversal. This can be rearranged to give

$$P_i - P_a = \frac{W_g^2}{\rho_g A_a A_1}$$

This illustrates that the average pressure decays as the area for reverse flow increases. The reverse flow area can then be equated to the total surface area over which the pool has been removed, minus the asymptotic jet area (A_a).

The pressure acting to push back the molten debris pool can be approximated by the addition of the average static pressure required to reverse the jet and the dynamic head of the gas flow at the base of the molten pool. For an equal volume steam/hydrogen mixture, the stagnation pressures for this flow at the base of the pool are small compared to the static pressure required to reverse the jet; thus only the static pressure due to reversal is considered.

As a result of the elevated static pressure at the base, a radial movement will be induced into the pool. The rate at which the radial movement would progress can be estimated from the radial acceleration (a)

$$a = \frac{\Delta P}{\rho_F \ell}$$

where the driving pressure difference (ΔP) is determined by the gas jet reversal behavior and the half length of the wave (ℓ) resulting from the surface distortion as illustrated in Figure 3.2.8-3. For these approximate calculations, the length (ℓ) is assumed to remain constant, and the sensitivity to the value is determined by assuming a range of characteristic values.

Once the acceleration is determined, the material velocity (v) can be estimated in the finite difference calculations by

$$v = v_0 + a\Delta t$$

where v_0 is the velocity in the previous time step and Δt is the time step interval. Along with the velocity, the change in radius ($r - r_0$) can be obtained from

$$r - r_0 = v_0 t + \frac{1}{2} a t^2$$

where r_0 is the radius at the beginning of the time step. The volume displaced by the movement (ΔV) is given by

$$\Delta V = \pi(r^2 - r_0^2)h$$

where h is the pool height in the undisturbed zone. For a fixed length (ℓ), this results in an added increment to the wave height (ΔZ) as expressed by

$$\Delta Z = \Delta V/(2\pi r_0 \ell)$$

As the wave height (Z) grows, the traveling velocity for the wave (U_W) increases as given by

$$U_W = (gZ)^{1/2}$$

which for a 1 m high wave would produce a traveling velocity of 3.1 m/sec. This traveling velocity of the wave along the surface can be compared to the material velocity to determine the basic character of the wave. For instance, if the traveling velocity is large compared to the material velocity, the wave will "stretch out". However, if the material velocity exceeds the traveling velocity, the amplitude of the wave will increase.

Finite difference calculations were carried out for half wavelengths of 0.1 and 0.3 m thickness. The calculation started from a condition in which the area for gas jet reversal was equal to the asymptotic jet area at 0.020 secs which is corresponding to the time for downward displacement previously discussed. The volume displaced by this initial condition was assumed to be accumulated on the liquid pool with a thickness equal to the half wavelength as shown in Figure 3.2.8-3. These calculations, shown in Figure 3.2.8-4, illustrate the basic characteristic of the dynamic process, namely that the amplitude of the wave and the material velocity increases rapidly. In fact, the material velocity is in excess of the wave velocity characterized by the amplitude. Thus, the wave generated by the dynamic response would be a high amplitude, short wavelength disturbance, such as shown in Figure 3.2.8-5 for the case where ℓ = 0.3 m, that could travel out to the walls of the reactor cavity and through the instrument tunnel at velocities of tens of meters per second.

Given this dynamic response, the major characteristic produced by the gas jet impingement transient is similar to that generated from the liquid flow alone, i.e. a major fraction of the degraded core material would be transported down the instrument tunnel to the upward sloping section. Here, the configuration of the debris would be approximately the same as that developed by the "hydraulic jump" behavior. Since the material velocity could be several tens of meters per second when the wave of molten debris reaches the upward sloping portion of the instrument tunnel, the momentum of the wave could play a substantial role in removing the material from the reactor cavity/instrument tunnel region. For the Indian Point configuration, the distance from the floor of the reactor cavity to the floor of the containment is about 8 m. If the sloping configuration of the instrument tunnel diverts the movement from horizontal to essentially vertical, a velocity of slightly over 12 m/sec would be sufficient to enable the material to leave the tunnel region in the presence of gravitational deceleration. This velocity is well below that calculated from the longest wavelength.

Another aspect of the dynamic deformation process that should be considered is the influence of water in the reactor cavity/instrument tunnel/manway region along with the core debris. For some potential accident scenarios, the degraded core material could be submerged in

water, undergoing a vigorous vaporization process. As previously discussed, vigorous vaporization would be limited by the water flooding limitation applied to the instrument tunnel area or a CHF limitation over the pool surface area. Such a limitation would only apply until the onset of the high velocity gaseous discharge from the reactor pressure vessel. The dynamic processes induced by this discharge, the heat exchange between the core debris and the water would be augmented substantially. The principal result of the process would be an accelerated quenching of the core debris. This process would occur in less than one second, and would correspond to the time available for removal of the degraded core material from the instrument tunnel region.

The steam produced by the energy transfer process during this period would be added to the containment environment. If the bulk water condition in the reactor cavity/instrument tunnel/manway region is one of subcooled liquid, the dynamic process initiated by the high velocity gaseous discharge would be an increase in the sensible heat of this water with little net steam generation.

The geometric configuration of the reactor cavity/instrument tunnel/manway in the Indian Point design would substantially influence the overall behavior of the material discharge onto the containment floor. For postulated sequences resulting in a high velocity gaseous discharge, more specifically, while the major motion generated by the combination of high velocity liquid discharge followed by high pressure steam/hydrogen blowdown would produce a combination of a hydraulic jump and wave behavior, breakup and entrainment of the molten material would also occur. In fact, for that fraction of material not removed by the initial dynamic response, entrainment will be the principal removal mechanism from the cavity region. This is demonstrated by comparing the entrainment velocity (U_e) with the average one-dimensional velocity in the instrument tunnel (Ref. 3.2.8-2):

$$U_e = \frac{3.7 \left(g\sigma(\rho_F - \rho_g)\right)^{1/4}}{\left(\rho_g\right)^{1/2}}$$

where g is the acceleration of gravity, σ is the surface tension of the core debris mixture, ρ_F is the density of the degraded core material, and ρ_g is the density of the steam/hydrogen mixture at the containment pressure. For example, consider the debris to be 7000 kg/m^3, the surface tension to be 1.0 N/m, and the density of the steam/hydrogen mixture to be 0.6 kg/m^3 corresponding to a containment pressure of 0.3 MPa (the transient sequences). Under these conditions, the resulting entrainment velocity would be 77 m/sec. For the instrument tunnel cross-sectional area of about 8 m^2, the initial gas discharge of approximately 550 kg/sec would result in a velocity of about 115 m/sec, which is greater than the entrainment value. The specific Indian Point geometry with the vertical manway outside the biological shield could have an effect on this entrainment since the gas flow would have two exit paths from the instrument tunnel region. As the gas flow

leaves the cylindrical reactor cavity, the velocity would be approximately 115 m/sec. However, since the exiting flow areas for the manway and the instrument tunnel are also equal, the gas flow velocity in the instrument tunnel after the manway would be about 58 m/sec, which is below the entrainment level. If material accumulates in this region as a result of the hydraulic jump or dynamic displacement, and remains after the initial gas blowdown transient, efficient entrainment may not occur. In addition, for any material that would be entrained, the horizontal-to-vertical geometry of the instrument tunnel and the manway provides a means whereby the entrained material, particularly the larger sizes, can be separated out of the gas stream and redeposited on the far wall of the instrument tunnel.

This separation process and its relative efficiency can be illustrated for the instrument tunnel by a simple example. Consider the geometry shown in Fig. 3.2.8-6 with the characteristic lengths L_1, L_2, and L_3. Assume a spherical particle of radius r_p is accelerated by the horizontal gas flow over the length L_1, with constant acceleration given by

$$a = F/m = \frac{3}{16} \frac{\rho_g U_g^2}{\rho_f r_p}$$

where U_g is the gas velocity in the tunnel. The particle velocity at the end of length L_1 would be

$$V_1 = (2aL_1)^{1/2}$$

At this position, the particle would have a horizontal velocity, but the gas stream would be diverted to an essentially vertical path. If the tunnel cross-sectional area is assumed to remain the same, the vertical acceleration would be equal to that given above. However, for the particle to escape the tunnel intact, it must not impact on the opposite wall where it would combine with a liquid film of core material. This would occur in a time interval given by

$$t = \frac{L_2}{V_1}$$

Consequently, the particle must be accelerated vertically so that it travels the distance L_3 in this time interval:

$$L_3 = \frac{1}{2} at^2 = \frac{1}{2} a \left(\frac{L_2}{V_1}\right)^2$$

Substituting the expression for the velocity V_1 into this relationship yields

$$L_3 = \frac{L_2^2}{4L_1}$$

This represents the vertical distance traveled before impact would occur on the opposite wall. Using typical values of 3 m for L_2 and 6 m for L_1 gives a value of 0.38 m for L_3, which is far less than the actual distance. Hence, the separation process generated by the tunnel geometry would be very efficient in recombining discrete liquid globules.

In this state, the material would be transported upward to the containment floor as a recombined liquid stream. The governing expression for vertical transport is the "flooding" velocity for liquid films (U_F), and can be expressed by (Ref. 3.2.8-2)

$$U_F = \frac{3.0 \left(g\sigma(\rho_f - \rho_g) \right)^{1/4}}{(\rho_g)^{1/2}}$$

where the variables in the expression are the same as those defined in the previous equation. Since the constant is 3.0 for flooding as opposed to 3.7 for entrainment, a flow rate that satisfies the entrainment criterion will also exceed the flooding limit. Using the same properties considered in the entrainment calculation, the flooding velocity would be 62 m/sec, which is quite close to the 58 m/sec for the gas velocity if half the flow is ducted through the manway. Consequently, that material accumulated on the instrument tunnel wall may be transported to the containment floor, it may freeze on the outer tunnel wall, or it may drain back onto the floor of the instrument tunnel/reactor cavity. For the majority of sequences of interest, sufficient water has been released from the primary system to cover the containment floor and spill over the curb. All of these surfaces would be cooled by the spillage.

In summary, three key methods have been identified whereby the molten debris could be removed from the reactor cavity/instrument tunnel region principally as a continuous liquid mass:

1. The high velocity liquid discharge directed into the horizontal-to-vertical instrument tunnel configuration thereby producing a hydraulic jump;

2. Large amplitude, short wavelength wave formation that could also be directed into the upward sloping tunnel;

3. Entrainment with redeposition on the tunnel walls as a result of the curved flow path.

As a result of these influences, for those postulated accident sequences that result in an elevated primary system pressure vessel failure, the containment model assumes the material is removed from the cavity region at essentially the initiation of gaseous discharge. Since the major

fraction of material is removed as a liquid mass, the model assumes it is distributed inside the crane wall on the floor of the containment. Since this region would be covered by 15 cm (6 in.) of water (determined by the curb height around the instrument tunnel), continued quenching would result and the steam would be added to the containment atmosphere. This quenching phenomenon is discussed in the following section.

The portions of core debris entrained in the gaseous stream, at the initiation of the gas discharge and during the gas blowdown, and that which would not be redeposited on the instrument tunnel wall, could be ignition sources for global hydrogen combustion if the atmosphere achieves a state that could support such combustion. Only very fine particulate would escape the instrument tunnel as discrete globules, and the radiation heat transfer alone would be very effective in cooling these particles. For instance, the approximate radiative cooling can be equated to the decrease in sensible heat within the particle:

$$4\pi r_p^2 \sigma T^4 = -\rho_f \left(\frac{4}{3}\right) \pi r_p^3 C_p \left(\frac{dT}{d\theta}\right)$$

This can be integrated to give

$$\Delta\theta = \frac{\rho_f r_p c_p}{9\sigma} \left(\frac{1}{T_f^3} - \frac{1}{T_i^3}\right)$$

where T_i is the initial particle temperature, and T_f is the final value. If T_f is assigned a value of 1000°K, the approximate flame temperature criterion, a 1 mm diameter particle would cool to this level in about 4 seconds. Since convection was not included and the temperature is uniform within the particle, this represents a considerable underestimate of the cooling rate. However, this order of magnitude value is much shorter than the time required to release the hydrogen from the primary system in the transient and small break sequences. Consequently, these particles would not necessarily represent ignition sources if the containment atmosphere had not achieved a combustible state.

In the containment evaluation model, the potential for global combustion is determined from the flame temperature criterion that incorporates the effects of continued steam generation in the containment building and steam and hydrogen addition from the primary system. Because of the entrained material and the quenching debris on the containment floor, ignition sources are assumed to be available during the gas blowdown interval.

In summary, for those sequences in which the RCS pressure is elevated at vessel failure, the molten core debris accumulation within the reactor cavity/instrument tunnel region would be a very temporary condition. Because of the material momentum during this high pressure liquid discharge and the high pressure steam/hydrogen discharge which follows, the

debris would be pushed out of the cavity region and onto the containment floor in an interval of the order of magnitude of one second. This removal time is short compared to the gaseous blowdown time of the primary system.

For the large break LOCA, the core debris drains from the vessel under its own static head, and there is no high velocity gaseous discharge to disperse the material. Except for the material dispersed by ex-vessel steam explosions, the core debris would accumulate on the floor of the reactor cavity and instrument tunnel.

3.2.9 Vigorous Steaming From Core Debris on the Containment Floor

With the particular design of the Indian Point containment buildings, the floor will be covered with about 15 cm of water at the time that degraded core material would be "pushed out" of the reactor cavity/instrument tunnel region for those sequences with dispersive conditions. As this material exits the tunnel and contacts the water on the containment floor, large quantities of steam would be generated as the material is quenched. This would result from a potential combination of localized steam explosions involving limited amounts of material; normal quenching processes involving the spectrum of film, transition, and nucleate boiling; direct radiation heat transfer to condensate on walls and other structures, as well as radiation to entrained water droplets; and quenching and decay power removal from particulate beds. The expected behavior for these processes will follow below and an approximate calculational technique will be recommended to allow the evaluation of competitive processes on comparable time scales, i.e., the quenching behavior as compared to additional chemical reaction.

The first effect of the thermal interaction on the containment floor would be noncoherent steam explosions as the material falls to the floor. With respect to the in-vessel steam explosions, and ex-vessel events in the reactor cavity, the available experimental results indicate that if explosive interactions are initiated, it would occur when the hot, molten material penetrates through the water in film boiling and contacts a wetted wall, i.e., the containment floor. In the Indian Point containments, the floor may or may not have sufficient wetting to initiate an explosive event. In any case, the water depth would only be about 15 cm. Consequently, the amount of core debris that would potentially be involved in a coherent interaction with water could be represented by a cylindrical segment having a diameter equal to the water depth. Assuming such dimensions, which overestimate the amount of material involved in each interaction, the mass of the core debris involved would approach 20 kg with a stored energy of approximately 25 MJ. Using a value of 1 percent (compared to the thermal energy in the core debris, Ref. 3.1.5-17), mechanical work developed by the explosion yields 250 kJ of mechanical energy, a level that does not threaten the containment. In fact, the interaction disperses the water and core debris from the event locale. This is perhaps the major material distribution mechanism acting to relocate the constituents around the containment floor.

Another aspect of these events would be the generation of some high temperature airborne particulate and fine water droplets. The core debris particles could act as ignition sources for a global burn of the hydrogen within the containment atmosphere should the combination of gaseous constituents, steam, air, and hydrogen, satisfy the requirements for a self-sustaining global burn (i.e., based on the flame temperature criterion). Because the limited quantity steam explosions occur on the containment floor, this would be where both the particulate and the steam are produced. As illustrated in Figure 3.2.5-1, the region inside the crane wall, below the expanded separator section of the steam

generators, is essentially an enclosed room accessed by the personnel passages through the crane wall. Material discharge from the reactor vessel and any resulting ex-vessel steam explosions or rapid quenching events, steam formation during the continued discharge, and steam discharge from the primary system will add steam to the atmosphere within this volume and displace oxygen into the upper regions of the containment. Consequently, these entrained particles would be ejected into an environment that would be steam rich and oxygen starved. Thus, the high temperature, finely divided material would be in a steam environment and would probably not represent efficient ignition sources. In addition, these finely fragmented particles would cool rapidly and would probably not be sufficiently hot to ignite the atmosphere should it achieve a combustible state. Nevertheless, to be conservative, they are considered as sufficient sources in the analyses if the containment atmosphere is calculated to support a global burn.

In addition to the mechanical work resulting from the steam explosion, a substantial amount of thermal energy is transferred by the interaction. This can be estimated by considering the thermodynamic process illustrated in Figure 3.2.9-1 that approximates the work creating process in the explosive interaction. First, the water is assumed to be at the local saturation value, 0.1 MPa for this example. In the interaction, the water is assumed to receive heat in an all liquid state until a high temperature is achieved, it continues to receive energy as it vaporizes at constant pressure, and then expands to saturated vapor at the containment atmosphere.

The work done in the first stage is negligible, but that accomplished in the constant pressure vaporization is sizeable and is given by

$$w = P_o v_{fgo} \simeq P_o v_{go}$$

The product of pressure and specific volume is almost constant along the saturated steam phase boundary. As a result, this expansion can be approximately by an isothermal expansion such that the work for the last stage is

$$w = P_o v_{go}\left[\ln\left(P_o/P_f\right)\right]$$

where P_o is the pressure where vaporization occurs and P_f is the final pressure; taken to be 0.1 MPa. Total specific work is the sum of these two contributions:

$$w = P_o v_{go}\left[1 + \ln\left(P_o/P_f\right)\right]$$

Calculating this quantity for various levels of P_0 shows that the work increases with increasing pressure, but reaches essentially a constant value of 1000 kJ/kg for pressures above 5 MPa. Therefore, to achieve the 250 kJ of work, at least 0.25 kg of water must be vaporized. To accomplish this thermodynamic path, 3000 kJ/kg of energy must be transferred from the melt, or a total of 750 kJ for each thermal interaction. Consequently, steam explosions with limited amounts of material can cool a significant fraction of the core debris. Considering that this energy transfer occurs in about a millisecond, the energy extraction rate is 750 Mw. Hence, a few such events would contribute substantially to the formation of steam in the containment.

For the fraction of material that does not participate in the steam explosions but either becomes submerged in water (Figure 3.2.9-2), or has a line of sight path to portions of the containment building covered by condensate or to water droplets in the atmosphere, the radiation heat transfer (q) from the molten material can be estimated by assuming black-body radiation:

$$q = A\sigma(T_F^4 - T_f^4)$$

In this equation, A is the surface area, σ is the Stefan-Boltzmann constant, T_F is the temperature of degraded core material; and T_f is the saturation temperature of the water. With a core debris temperature of 2200°C, the thermal radiation heat flux alone would be almost 2100 kw/m^2. At a temperature of 1500°C (this temperature is required to sustain a significant chemical interaction of unreacted zircaloy or stainless steel but also represents solidified stainless steel), the radiation heat flux contribution would be about 550 kw/m^2. The freezing points of uranium dioxide, zirconium dioxide, and metallic zirconium are considerably greater than this value. Hence, at this temperature all the debris would be solid. Since the fuel and cladding oxides dominate the mixture, solidification would occur well before this temperature, and once the surface solidifies, the reaction rate would be governed by oxygen diffusion through the solid oxide crust, which would be negligible. Although the material is still hot, the reaction would be terminated for all practical purposes. This radiation heat flux is added to that transferred by normal film boiling convection at these temperatures. Assuming a typical convective heat transfer coefficient of 0.3 kw/m^2°C (Ref. 3.1.1-17 and Ref. 3.1.3-1) results in an additional heat removal capacity of 630 kw/m^2 for a temperature of 2100°C. With these heat fluxes, it is possible to determine the approximate time over which such energy transfer can be sustained. This can be estimated from the error function solution in the same manner as was done for the additional hydrogen generation in the lower plenum of the reactor vessel (see Section 3.1.3.2). A conduction representation is generally applicable since the geometry would be one of a relatively thin layer of material freezing in a short time interval, such that circulation patterns would not be developed to any significant degree. The conduction heat flux (q/A) from a solid at uniform temperature (T_0) to a surface at constant temperature (T_i) is given by

$$q/A = k_F(T_o - T_i)/ (\pi\alpha_F\theta)^{1/2}$$

where k_F and α_F are the thermal conductivity and diffusivity of the degraded material and θ is the time interval. This can be rearranged to give

$$\theta = \left(\frac{k_F(T_o - T_i)}{q/A}\right)^2 \cdot \left(\frac{1}{\pi\alpha_F}\right)$$

Assuming the initial material temperature to be 2200°C and the interface temperature to be 2000°C, the time interval during which a heat flux of 1985 kw/m^2 or greater (i.e., 1415 + 570 = 1985 kw/m^2) could be sustained would be 44 msecs, at which time the thermal boundary layer thickness (x) would be about 0.4 mm as calculated from

$$x = 2(\alpha_F\theta)^{1/2}$$

considering the oxide properties to be dominant. As illustrated, the radiation and convection heat fluxes would freeze the surface in a short time interval compared to the blowdown of the steam/hydrogen mixture from the primary system. In addition, if this range of heat fluxes is sustained as the material spreads on the containment floor, which would be the case for a flowing molten mass, the energy transfer rate based on the floor area inside the crane wall ($\sim$ 600 m^2) would range from 580 Mw to 1630 Mw. Considering the initial stored energy for a non-coherent dispersive case ($\sim$ 63,000 Mw), this would correspond to quenching times from 109 secs to 39 secs, i.e., intervals comparable to the gaseous blowdown.

This approximate assessment was based on the planar surface area of the containment floor inside the crane wall and would underestimate the available surface area for heat transfer in the presence of the dispersive forces pushing the material out of the instrument tunnel, as well as the dispersive forces accompanying the potential steam explosions on the containment floor. In all the above cases, it is apparent that the quenching process occurs over a time interval comparable to that of the continued addition of steam and hydrogen to the containment through the breach in the reactor pressure vessel. To represent the average quenching behavior and to incorporate the appropriate sensitivity with respect to the containment pressure for the spectrum of accident conditions considered, the quenching of the degraded core material was estimated using a CHF analysis with an available area equal to the floor area inside the crane wall. For a containment pressure of 0.1 MPa, this corresponds to a quenching rate of about 720 Mw, which lies between the two thermal radiation-convection limits. This rate of steam production would quench the material in approximately 88 secs. The steam produced would be added to the containment atmosphere at a constant rate during the quench interval.

Another feature of this formulation that would enter into a more detailed evaluation of the more probable accident sequences (i.e., those with injection but failure of recirculation), is the water added to the containment as a result of an extended injection interval. As discussed previously in this section, at the end of the injection period, the reactor cavity and instrument tunnel could be full of water. This water could flood the reactor cavity/instrument tunnel regions well in advance of any core degradation and transport of the material to the lower plenum. As a result, it would be present before vessel failure, but as long as the vessel retains its full thickness, the amount of heat removal through the wall by thermal conduction is negligible. This is best illustrated by considering the time constant (τ) for transmitting a thermal layer through the carbon steel vessel wall, which can be expressed by

$$\tau = \frac{x^2}{4\alpha_s}$$

where x is the vessel wall thickness and α_s is the thermal diffusivity of the steel. Incorporating the appropriate properties of carbon steel, the time constant for a wall 15 cm thick is about 6.8 mins, which is a long interval compared to the time required to heat the inner wall surface, including partial penetration welds of the in-core instrument tubes, to a level of negligible mechanical strength, i.e. between 1 and 2 minutes. Consequently, for those sequences in which significant primary system pressure would be available at reactor vessel failure, the time of failure would be essentially unaffected by the presence of water on the outside of the vessel. When the vessel insulation is included in the analysis, the time interval for influence of the water would become even longer; thus the same conclusion applies. Even after the thermal boundary layer penetrates the vessel wall, the heat flux that can be transmitted through the wall would be small compared to that which is applied to the inner surface, i.e. substantial melting would occur for such conditions.

This conclusion regarding the effect of water surrounding the vessel is particularly important for the high primary system pressure accident scenarios, since the highest probability path is a dispersive discharge of the degraded core material from the cavity region. In addition, the molten core material would be ejected under substantial pressure, i.e. quenching events in the reactor cavity region would not substantially influence the discharge rates for the degraded core material. For a large break LOCA, the material would be ejected at a much lower rate and would essentially remain in the cavity region; thus, the sequence of events following vessel failure would take place over a much longer time and would have little effect on the ultimate material disposition.

For those sequences in which the primary system pressure would be elevated, the small break and transient scenarios, the initial interaction of the molten core material as it is released from the reactor pressure vessel (RPV) would be hydrodynamic breakup with some intermixing and heat transfer. This breakup would result from the hydrodynamic

interaction between the high velocity melt and the stationary water. If this initial contact results in direct liquid-liquid contact between the melt, which would have a velocity of about 45 m/sec in a small break LOCA and 70 m/sec for a transient sequence, and the water, the hydrodynamic fragmentation could result in very fine fragments. This can be illustrated by considering the size fragments which would satisfy a Weber number (We) criterion of twelve:

$$We = \frac{\rho_\ell U^2 d_P}{\sigma} = 12$$

In this expression, the velocity of ejection is given by U; dp is the particle diameter; ρ_ℓ is the water density; and σ is the surface tension of the melt. For these order of magnitude effects, we can consider the surface tension to be 1 N/m; the resulting fragment size would be 6 μm for the velocity typical of small break conditions and 2 μm for the transient conditions. Such fine particulation would result in a rapid energy exchange in the immediate vicinity of the reactor vessel failure location. The major result of this rapid vaporization would be the displacement of water away from the vessel and up the instrument tunnel. In this process, the rate of the energy addition would be determined by the rate of material ejection from the RPV.

As the material first exits the vessel, the initial energy transfer rate would be substantial because of the extensive fragmentation promoted by the large velocity difference and the subcooling of the water. While this heat transfer is large, the major fraction of the energy would be deposited within the water as increased sensible heat as a result of steam formation and collapse. Meanwhile, the liquid would be displaced from the cavity by the fraction of the energy that went into net vapor production. This would continue until sufficient water was displaced from the cavity to allow the steam formed in the quenching of the debris, to escape from the cavity and instrument tunnel. The steam-water limitations in the instrument tunnel, and in the overlying water in the cavity region can be estimated from the churn-turbulent void fraction (α) relationship proposed by Zuber (Ref. 3.1.5-16) as given in Ref. 3.1.1-2:

$$V_g = 1.53 \left[\frac{\sigma g\,(\rho_f - \rho_g)}{\rho_f^2}\right]^{1/4} \left(\frac{\alpha}{1 - \alpha}\right)$$

In this expression, V_g is the superficial velocity for the steam flowing through the overlying water. If a configuration as illustrated in Figure 3.2.9-3 is assumed, with the bed heat transfer rate limited by a critical heat flux criterion, the superficial velocity characteristic of the CHF limit can be equated to the churn-turbulent value:

$$1.53 \left[\frac{\sigma g(\rho_f - \rho_g)}{\rho_f^2}\right]^{1/4} \left(\frac{\alpha}{1 - \alpha}\right) = 0.14 \left[\frac{\sigma g(\rho_f - \rho_g)}{\rho_g^2}\right]^{1/4}$$

Solving this expression for the void fraction gives a value of 0.78 at a pressure of 0.1 MPa, and 0.73 at 0.2 MPa. Consequently, if the reactor cavity/instrument tunnel is initially filled with 100,000 gallons of water, three-fourths of it would eventually be "pushed" up onto the containment floor because of the quenching process.

Since the material discharge time from the vessel is about 2.5 seconds for a transient sequence and 5.0 seconds for small break LOCA (with a noncoherent core melt assumed), the pressure required to push the material out of the cavity during that interval can be approximated from inertial considerations. Consider the water in the cavity region to be a liquid slug with the length (L) of the tunnel and half the cavity ($\sim$ 20 m) as shown in Fig. 3.2.9-4. If the driving pressure at point 1 is assumed to remain constant and the length of the liquid path is also held constant, they are somewhat compensating, the acceleration (a) is given by

$$a = (P_1 - P_c)/\rho_\ell L$$

and the displacement would be

$$X = \frac{(P_1 - P_c)\, t^2}{2\rho_\ell L}$$

If the required displacement is considered to be L, then the expression for the pressure needed to move the liquid column in the specified time interval is

$$\frac{2\rho_\ell L^2}{t^2} = P_1 - P_c$$

For the conditions already listed, the necessary pressure difference would be 0.13 MPa for the transient scenario, and 0.03 MPa for the small break LOCAs.

Since the two are exit paths from the reactor cavity region, the water removal would require less driving force than calculated. However, since pressurization is minimal, the inclusion of such detail is unnecessary.

For those sequences in which the reactor cavity region, the manway, and the instrument tunnel are filled with water, the discharge of core debris from the reactor pressure vessel would be directly into the water. As discussed previously, with the initial injection velocity determined by the pressure difference between the primary system and the containment, substantial hydrodynamic fragmentation would occur when the molten material entered the water. In assessing the dynamic behavior

following this release of core material, a conservative model was assembled to describe the rate at which material would be lost from the vessel, its quenching behavior, and the motion of the liquid through the reactor cavity/instrument tunnel region. This model assumes that the material lost from the vessel is rapidly quenched and forms a high pressure steam bubble in the immediate vicinity of the vessel failure site as shown in Fig. 3.2.9-5. The discharge rate of core material ($\dot{m}_F$) is determined by the pressure difference between the primary system (P_o) and the high pressure steam bubble (P_b). This can be expressed by

$$\dot{m}_F = A_F \left[2\rho_F (P_o - P_b)\right]^{1/2}$$

where A_F is the area of the vessel failure, and ρ_F is the density of the degraded core material. The core debris is assumed to instantaneously quench as it enters the water, providing a pressure source that causes the water to move radially outward. This radial growth is given by the expression for an inertially dominated bubble growing in an infinite sea of liquid as given by the Rayleigh expression (Ref. 3.1.1-21)

$$\frac{dr_b}{dt} = \left[\left(\frac{2}{3}\right) \frac{P_b - P_\infty}{\rho_\ell}\right]^{1/2}$$

where ρ_ℓ is the density of the water, and P_∞ is the pressure in the water far removed from the bubble surface.

In this evaluation, the bubble grows downwards and sideways in a hemispherical pattern. If the steam within the bubble is assumed to follow the perfect gas law and an isothermal process is used to represent the steam formation behavior, then the pressure transient within the expanding bubble can be expressed by

$$V_b \frac{dP_b}{dt} = - P_b \frac{dV_b}{dt} + RT \frac{dm_g}{dt}$$

where V_b is the volume of the bubble, R is the gas constant for steam, T is the absolute temperature in the bubble, and m_g is the mass of steam within the bubble. The hemispherical bubble would have a volume of $(2/3)\pi r_b^3$, and its growth rate (dV_b/dt) can be expressed by

$$\frac{dV_b}{dt} = 2\pi r_b^2 \left(\frac{dr_b}{dt}\right) = 2\pi r_b^2 \left[\left(\frac{2}{3}\right) \frac{P_b - P_\infty}{\rho_\ell}\right]^{1/2}$$

The rate of increase of mass within the bubble is determined by the rate of quenching of the core debris and the condensation of steam at the

bubble surface. Since the core debris is assumed to be quenched instantaneously as it enters the water, the steam formation rate ($\dot{m}_q$) is given by

$$\dot{m}_q = \dot{m}_F c_F (T_F - T_{sat})/h_{fg}$$

where h_{fg} is the heat of vaporization. The condensation rate ($\dot{m}_c$) at the bubble surface can be expressed by

$$\dot{m}_c = h (2\pi r_b^2) (T_{sat} - T_B)/h_{fg}$$

where h is the heat transfer coefficient at the surface of the rapidly expanding bubble, T_{sat} is the saturation temperature within the bubble, and T_B is the bulk temperature of the water in the reactor cavity. The bubble is assumed to have a smooth surface, however, in reality, the penetration of the core debris and the rapid expansion into highly subcooled water will promote surface irregularities with corresponding entrainment of water droplets. Since this enhanced surface area increases the condensation rate substantially, a spherical surface heat transfer coefficient typical of that observed for rapid steam injection into cold water will be used (Ref. 3.2.9-1 through Ref. 3.2.9-6). A typical value representative of this experimental data is 2500 kw/m^2°C.

Combining these equations with the perfect gas representation of the high pressure bubble results in a pressurization rate (this may also be depressurization) within the bubble that can be expressed by

$$\frac{dP_b}{dt} = \frac{3}{r}\left[RT\left(\dot{m}_q - \dot{m}_c\right) - P_b\left[\left(\frac{2}{3}\right)\frac{P_b - P_\infty}{\rho_\ell}\right]^{1/2}\right]$$

The growth of the bubble would perhaps pressurize the water in the immediate vicinity of the failure location. This will produce a compression wave that will travel at the liquid sonic velocity. This wave travels down through the reactor cavity and the instrument tunnel region to initiate water movement away from the failure site. If this is assumed to be a one-dimensional wave, the velocity (u) imparted to the water by a compression wave of amplitude ΔP is given by

$$u = \frac{\Delta P}{\rho_\ell c_\ell}$$

where c_ℓ is the sonic velocity in the water. The compression of the liquid is the difference (ΔV_ℓ) between the volume movement of the water and the volume occupied by the high pressure bubble as expressed by

$$\Delta V_\ell = \int_0^t A_c u dt - \left(\frac{2}{3}\right)\pi r_b^3$$

where A_c is the cross-sectional area of the reactor cavity. The resulting pressure generated by this compression can be determined from

$$\Delta P = c_\ell^2 \Delta\rho$$

where $\Delta\rho$ is the change in density of the water and is given by

$$\Delta\rho = -\frac{\rho}{V}\Delta V$$

and the liquid pressure as a function of time is expressed by

$$P_\ell = \frac{-c\rho_\ell}{A_c t}\left[\int_0^t A_c u dt - \left(\frac{2}{3}\right)\pi r_b^3\right] + P_\infty$$

These equations can be combined to formulate an expression for the pressurization of the water within the reactor cavity region as determined by the growth of the high pressure steam bubble. This behavior will persist until a compression wave has traveled to the free surface of the water at the entrance of the manway and/or the instrument tunnel (approximately 16 and 20 meters away respectively) and returned back to the failure site, approximately 0.011 and 0.014 secs respectively. At this time, the translational velocity would triple, and the pressure within the water would decrease rapidly.

Using these expressions, a finite difference model was constructed to calculate pressure within the cavity and the bubble as a function of time. In the calculation, only the rarefraction wave returning from the entrance to the instrument tunnel was considered. Thus, the calculation represents a conservative evaluation of the reactor cavity pressurization. The resulting pressure transient is illustrated in Figure 3.2.9-6 and shows that the bubble pressure decays very rapidly. It also shows that the pressure within the reactor cavity increases very early in the transient, but quickly decreases because of condensation and the return of the rarefraction wave from the free surface. As illustrated, the entire transient can be measured in tens of milliseconds, and the pressure within the reactor cavity develops toward the value required to remove the water in the longer time frames discussed. Therefore, the pressurization within the reactor cavity region lasts for a minimal amount of time and the total impulse would have no substantial effect on the surrounding structures.

Consequently, for the scenarios in which substantial injection would occur before core melt conditions begin, the release of core debris from

the vessel would generate sufficient steam flow to extensively void the instrument tunnel before the high pressure gas flow would begin. In this highly voided state, the steam/hydrogen discharge would behave in about the same manner as if the cavity were totally voided.

Large break LOCA scenarios with injection but no recirculation would have an extended release time for the molten core debris since it is only driven by its own gravitational head. In addition, the high steaming rates at the beginning of the debris discharge could provide a local pressure comparable to the driving pressure and reduce the flow rate significantly. As a result, the discharge would take place over an extended interval. Since the same type of churn-turbulent void fraction function would apply, the same net voiding must occur, but on a longer time scale that requires a smaller driving force. Since the driving force in the small break case is already less than the liquid static head in the tunnel, the wave is slowly pushed up to the containment floor and held there during quenching by the high steam flow. When the quench is completed it drains into the cavity.

Although the water would be displaced by the high steaming rates within the reactor cavity as the core debris is discharged from the vessel, it would be "held up" on the containment floor by the sustained vaporization attempting to quench the overheated material on the floor of the cavity and instrument tunnel. As the core material is pushed out of the tunnel, this water level would be about 6 to 10 inches over the top of the curb surrounding the tunnel entrance, and would be held dynamically by the "flooding" phenomenon. With onset of the high pressure gaseous discharge from the reactor pressure vessel in the small break and transient sequences, this water would be directly entrained in the high velocity gas steam as long as the gas velocity (U_v) exceeds the droplet entrainment level given by

$$U_v = \frac{3.7 \left(g\sigma(\rho_f - \rho_g)\right)^{1/4}}{(\rho_g)^{1/2}}$$

If we consider a small break LOCA in which the containment pressure is about 0.1 MPa as a result of either spray operation and/or fan cooler availability, this velocity is about 22 m/sec which is well below the initial gas discharge velocity from the manway and the tunnel; thus extensive entrainment would be expected. This process is illustrated in Figure 3.2.9-7 where the driving force for water flowing toward the manway and the tunnel region would be its own gravitational head. The water velocity (U_ℓ) toward the tunnel lip induced by gravity is expressed as

$$U_\ell = (2gy)^{1/2}$$

where y is the height above the tunnel lip. This can be employed to evaluate a flow rate (w) as given by

$$w = \rho_f b \int_0^{y_1} (2gy)^{1/2}\, dy = (2/3)\rho_f b\, (2g)^{1/2}\, (y_1)^{3/2}$$

where b is the sum of the curb perimeter around the instrument tunnel and the manway and y_1 is the water height above the curb. (For normal flow over wiers, this is multiplied by a coefficient of 0.6 which represents the vena contracta. This factor is neglected in this order of magnitude illustration.) For the Indian Point plants, the length b is about 13 m and if the water depth is assumed to be 0.2 m, the flow rate would be almost 3550 kg/sec (59,000 gpm); this represents the entrainment rate, atomization generated by the high velocity discharge of steam and hydrogen from the reactor vessel. This is far in excess of the rate at which the containment sprays inject water into the containment.

With the initial discharge velocity, the stable water droplet size can be estimated using the Weber number of 12. For a velocity of 115 m/sec and a containment pressure of 0.1 MPa, this corresponds to a droplet diameter of 76 μm; i.e., a very fine mist. Equating the weight of the droplet and the drag force gives an expression for the terminal velocity (U_T) for the fall of these droplets after they have been deposited in the containment atmosphere:

$$U_T = \left(\frac{8}{3} \frac{\rho_f r_d g}{\rho_g} \right)^{1/2}$$

where r_d is the droplet diameter and the drag coefficient has been assumed to be unity. This results in a fall velocity of only 1.3 m/sec, which means that these droplets would remain in the atmosphere for an extended time (tens of seconds) providing an intimate radiation heat sink for any exposed core material. This atomization also provide an efficient quenching mechanism for an airborne particle generated by steam explosions on the containment floor or entrained by the gas stream in the reactor cavity/instrument tunnel regions.

This atomization would also provide a substantial heat sink for steam in the containment atmosphere. For example, consider the entrainment to occur at a rate of 3550 kg/sec for an interval of 30 secs such that 106,500 kg of water would be deposited in the atmosphere. For 50 percent release of the core from the reactor vessel (noncoherent case) with a temperature of 2200°C, the stored energy in the core debris above water saturation at one atmosphere is about 63,000 MJ. If the water temperature before entrainment is assumed to be 30°C, over 31,300 MJ is required to heat the entrained subcooled liquid to saturation at 0.1 MPa. Therefore, this would play a major role in limiting the rise of the containment pressure as the degraded core material is quenched.

The previous discussion regarding the water entrainment at the tunnel entrance illustrates the strong dynamic processes which would occur at the beginning of the high pressure gas discharge. As a result of this entrainment behavior, the quenching process most likely occurs at a more rapid rate than characterized by the pool boiling CHF approximation. However, such a formulation gives the appropriate dependencies on the containment pressure and also clearly illustrates the vigorous steaming that would follow the removal of the material from the instrument tunnel.

One additional water source that would experience atomization and entrainment into the containment atmosphere is the accumulator water. For the small break LOCA and transient types of sequences, the primary system pressure could remain at a level during the degradation process such that the accumulators did not discharge their water into the primary system. However, as the primary system depressurizes following reactor vessel failure and release of the degraded core material, the accumulators would begin to discharge the water into the primary system. This water would be entrained with the exhausting steam/hydrogen mixture and will eventually be added to the containment atmosphere. The details of this discharge will be discussed in a later subsection.

For large break LOCA sequences, the debris would remain in the reactor cavity and would quench at a rate governed by a CHF limitation at the surface of the bed. If the containment pressure is 0.1 MPa, the heat flux would be almost 1200 kw/m^2 and the steaming rate would be about 60 Mw.

3.2.10 Additional Ex-Vessel Hydrogen Generation

As quenching of the degraded core material progresses on the containment floor, the potential for additional hydrogen production exists as long as the material is at a temperature sufficient to continue the interaction. The time interval of interest would be approximately 0.044 seconds (see the previous subsection) during which an elevated surface temperature could be sustained by internal conduction in the presence of radiative and convective dominated film boiling from the surface of the debris particles. One feature to be evaluated during this interval is the additional hydrogen that could be generated during this quenching process.

As discussed for the in-vessel steam spike, the removal of the degraded core debris from the reactor cavity involves dynamic energy transfer processes that are competetive mechanisms, such as rapid heat transfer and continued chemical reaction (i.e., oxidation). If the process is assumed to be one in which steam is formed rapidly, then the surface temperature of the debris would be cooled at some corresponding rate, which would substantially limit the chemical reaction. As discussed in Section 3.1.6, radiation dominated film boiling requires a steam generation rate that is close to CHF which can be interpreted as the maximum steaming rate that would enable water to remain in the vicinity of the hot material. That is, if the rate of steam production were greater, the water would be unable to effectively flow downward in the presence of the upward flowing steam. This would, of course, decrease the source for steam, thereby resulting in a decrease in the rate of steam production, i.e. this would be a self-limiting process. In addition to providing the source for steam generation, the water also provides the source for additional oxygen to continue the oxidation of any unreacted metal in the core debris (i.e., either zircaloy or stainless steel). If the rate of steam production is too large, the water would be driven off and the supply of oxygen would be depleted (i.e., if only steam is available, the oxygen would be rapidly used up if the reaction is assumed to occur). Thus, the CHF limitation also has order of magnitude physical meaning when considering the formation of additional hydrogen.

To calculate the reaction, the previous history of the material and the composition of the debris in this ex-vessel configuration must be known. This would require an extensive knowledge of the initial degradation process. However, if a reasonable upper limit for the process shows that the maximum quantities that could be generated represent small perturbations on the uncertainties already treated with respect to the initial degradation process, then the details of the process require far less attention and the overall behavior can be treated.

To provide a reasonable upper bound for the reaction, the limitation assigned to the interacton is that the reaction cannot proceed any faster than the hydrogen can be diffused from the debris surface. This is schematically represented in Figure 3.2.10-1. To evaluate the hydrogen diffusion, the equivalence of heat and mass transfer is used. The convective film boiling heat transfer coefficient (h) for pool boiling is about 0.3 kw/m^2 C, and with the standard formulation for the

effective conduction layer ($\delta = k/h$ where k is the thermal conductivity of the steam $\sim 3\times10^{-5}$ kw/m°C), the layer is about 100 μm thick. Given the similarity of heat and mass transfer, the effective conduction layer can also be used as the effective layer for the diffusion processes associated with mass transfer. The number of moles of gas diffused per unit time and area (N/A) can be expressed by

$$N/A = \frac{D_v}{RT}\left(\frac{\Delta P}{\delta}\right)$$

where D_v is the mass diffusivity ($\sim 4\times10^{-5}$ m^2/sec for hydrogen diffusing through air), R is the universal gas constant, T is the absolute temperature, and ΔP is the partial pressure difference in the gas across the effective diffusion layer. If we assume the containment pressure to be 0.1 MPa and the relative concentration of the hydrogen to be 1.0 at the surface of the debris and zero at the outer surface of the vapor layer, the molar flux is about 0.013 kg-moles/m^2-sec. With the surface area of about 600 m^2 and the time of 0.044 secs, this would result in the production of 0.34 kg-moles, or 0.68 kg of hydrogen. This corresponds to a reaction of a negligible fraction of the original core material and is within the sensitivity limits analyzed with respect to the initial degradation process. If the superficial velocity for the H_2 alone is evaluated, it corresponds to about 0.4 m/sec as compared to 0.8 m/sec for the CHF limitation. Thus, the hydrogen formation alone would tend to force the liquid away and would be additive to the steam flow. This represents a conservatism in the analysis.

This calculation has ignored the diffusion processes in the melt itself, and as such, represents a very conservative estimate of the process. It has also neglected the energy generated by the oxidation reaction, but since the amount oxidized is such a small fraction, the inclusion of the additional energy would make very little difference. Nevertheless, even this substantial overestimation of the additional hydrogen formed during the ex-vessel quenching process is of little consequence in the containment evaluation.

3.2.11 Continued Steam/Hydrogen Release From the Vessel

The continued release of the gaseous mixture is driven by the exponential decaying pressure in the primary system and is approximated by an isothermal process in a constant volume system. Since the volume remains constant, the depressurization rate can be determined by differentiating V = mv:

$$dV = 0 = v\frac{dm}{dt} + m\frac{dv}{dt} = v\frac{dm}{dt} + m\frac{dv}{dP}\frac{dP}{dt}$$

where for the assumed isothermal process

$$Pv = RT \text{ or } \frac{dv}{dP} = -\frac{v}{P}$$

Since the flow rate can be given by

$$-\frac{dm}{dt} = \dot{m}_g = \eta P_o A \Big/ (RT)^{1/2}$$

the depressurization rate can be then expressed by

$$\frac{dP}{dt} = \frac{\eta P_o A (RT)^{1/2}}{V}$$

where η is the critical pressure ratio (0.6) for isothermal flow, P_o is the instantaneous pressure within the primary system, A is the area of the vessel breach, R is the gas constant for the steam/hydrogen mixture, and V is the total volume of the primary system. Integrating this gives the transient expression for the instantaneous pressure within the primary system and can be expressed by

$$P_o = P_o' \exp\left[-\frac{\eta A (RT)^{1/2}}{V} t\right]$$

where P_o' is the primary system pressure at the time of initial steam/hydrogen discharge. As illustrated, this is an exponential decay in pressure governed by the gas mixture properties, the area of the vessel breach (A), and the volume of the gases within the primary system (V). As an example, consider a transient sequence in which 65 percent of the cladding would be oxidized; the hydrogen produced is retained within the primary system until vessel failure. In addition, the entire primary system volume ($\sim$ 314 m^3) is pressurized with the steam/hydrogen mixture to 16 MPa, and the vessel breach diameter is 0.34 m ($A \sim 0.09\ m^2$). For these conditions, the atmosphere will contain about 300 kg-moles of hydrogen and 700 moles of steam. The molecular weight of the mixture would be approximately 13.2.

Given the gas mixture properties and the other conditions specified, the vessel blowdown can be calculated and is illustrated in Fig. 3.2.11-1

for typical transient and small break LOCA conditions. (The same gas mixture properties and vessel breach diameter were used for the small break calculation.) As shown, the vessel blowdown requires several tens of seconds of completion, which is much longer than the time intervals required to remove the debris from the cavity and freeze the surface of the accumulated debris. In addition, it is comparable to the time available for quenching of the dispersed debris. Thus, the integrated analyses must account for simultaneous steam addition to the containment atmosphere from the quench and the addition of the steam/hydrogen mixture from the RCS blowdown. Only by correctly time phasing these various processes can the overall system response be adequately represented.

The points just reviewed occur in less than one minute following the onset of vessel failure. The relative sequence of their occurrence and the time frames required for their initiation and completion are extremely important in formulating a realistic overall assessment of the containment response capabilities. Such considerations are also important in assessing the response of various safety features within the containment for severe accident sequences. One particular feature that should be represented in such detailed analyses is the onset of the containment spray as a function of the containment pressure response. The detailed time dependent behavior available from these calculations will allow a more definitive evaluation of the time in which the activation signal for the spray system is initiated, its associated delay time before water is injected into the containment atmosphere, and the resulting energy absorbtion rate of the containment spray as compared to the other competitive and complimentary processes that are occurring simultaneously. By providing such a formulation in the evaluation structure, the totality of the process can be adequately represented so that representative containment loading parameters can be determined. Only through such an evaluation can reasonable probabilities be assigned to such phenomena as the failure of the containment boundary for such postulated accident sequences.

3.2.12 Material Disposition After Release From The Primary System

For the three general classes of accident scenarios of large break LOCA, small break LOCA, and transients, the material disposition within the containment building at the time when the primary system is depressurized to the containment pressure and the core material has been released from the vessel, can be categorized in two different manners. In the first category, almost all the core material remains within the reactor cavity/instrument tunnel region, whereas in the second category, the 50 to 80 percent (noncoherent or coherent) initially released from the vessel is distributed on the containment floor. The remainder of the material may accummulate within the cavity as it drips from the vessel. The conditions corresponding to the first category are called "gravity drop" in the containment event tree, while those associated with the second category are called "dispersive". To properly characterize the effects resulting from a dispersive behavior and the resultant influence on the ultimate cooling of the debris, it is helpful to view the processes immediately after vessel failure in terms of both their initiation and duration.

The key features of the ex-vessel phenomena outlined in the previous sections are

1. Ex-vessel steam explosions,

2. Release of core debris,

3. Direct concrete attack,

4. Additional steam generation in the reactor cavity,

5. Steam/hydrogen blowdown,

6. Removal of debris from the reactor cavity,

7. Vigorous steaming on the containment floor, and

8. Additional hydrogen generation.

The initiation and interrelationships of these dynamic processes are represented in the bar charts Figs. 3.2.12-1 and 3.2.12-2, for the noncoherent small break LOCAs and transient cases, respectively. As illustrated, all the processes, except for the steam/hydrogen blowdown and the steaming off of debris on the containment floor, occur within a few seconds. Since the gaseous blowdown forces are imposed on the system for a comparatively long time, there can be little doubt that the material discharged from the vessel would be removed from the cavity region. In the high probability paths for these sequence categories, essentially all of the 50,000 kg of core debris (noncoherent melt) would be deposited on the containment floor. For the transient scenario, because of the higher containment pressure, the debris would be completely quenched about 50 seconds after removal from the cavity. With the general containment conditions for a small break LOCA, this quenching process would require about 75 seconds.

After the gaseous blowdown, excess water on the containment floor can drain into the instrument tunnel/manway and reactor cavity. Additional steam would form as the water cooled any remaining debris and structural material that had been heated by the molten debris and the hot gases, but this would not provide a limitation on the drainage rate. As a result, the water that had been displaced from the cavity region by the dynamic processes, minus that which was either entrained or vaporized into the atmosphere, would reenter the instrument tunnel within several tens of seconds. This is important in assessing the ultimate cooling of the degraded core since half of the material remains within the vessel, and as this fuel and cladding eventually melt and either drip or run out of the vessel breach, the debris will fall into a region where water is available on a continual basis. The exception to this is a postulated sequence in which there is no heat removal capability within the containment. In such a case, the water would be initially available to cool the debris, but would eventually enter the containment atmosphere as high pressure steam, i.e. the debris bed could eventually dryout. With a sustained water supply, the debris bed can be permanently cooled in a least two different manners: (1) as a coarsely particulated bed within the reactor cavity region or (2) as a more finely divided particulate spread over the entire horizontal surface of the reactor cavity and instrument tunnel region.

The material accumulated on the containment floor would be submerged in water and would remain coolable as long as water was available. Thus, when either the building fan coolers or the containment spray is available, this material would have long-term cooling.

The material release and quenching processes associated with a large break LOCA scenario are represented by the bar chart in Fig. 3.2.12-3. As illustrated, these occur over a considerably longer time frame and there is no dynamic mechanism for removing the debris from the cavity. Quenching of core debris would occur within the reactor cavity and instrument tunnel and would require up to 30 minutes. During this time, some concrete attack could occur and could potentially produce some additional hydrogen, but the rate of generation would be much lower than the diffusion limit used to calculate the behavior of the material on the containment floor. The amount of additional hydrogen would still be within the uncertainty included in the in-vessel calculations. As will be discussed in the next section, the gases evolved by concrete attack would tend to augment the heat transfer between the core debris and the water.

Given these general material distributions for the various accident categories, the essential feature to be evaluated for this stage of the accident is the establishment of a coolable debris bed. This must be assessed for the early material release and that which could melt and leave the reactor vessel at a later time.

3.2.13 Ex-Vessel Debris Bed Coolability

Given the material distribution, discussed in the previous section, for the major categories of accident scenarios, the Indian Point containment configurations provide a continued supply of water on the containment floor and reactor cavity as long as either the containment sprays or fan coolers are functioning. This is based on the elevated steam generator design of the primary system for which at least 65 percent of the primary coolant must be lost before the core can be uncovered (Ref. 3.1.1-7), and the fact that if the coolant is lost from the RCS, it must be accumulated within the containment. For this amount of water (~ 150,000 kg), both the containment and recirculation sumps would be full, the containment floor will be flooded to the top of the 15 cm curb surrounding the instrument tunnel, and a substantial quantity would spill over into the reactor cavity. In addition, if water had been injected during the course of the accident, it would also be accumulated in the containment. Thus, on a short-term basis, water is always available, and with the operations of either the building fan coolers or the containment sprays, water will be continually supplied to the debris. To assess the coolability, the level of fragmentation and the mechanism for cooling in the bed must be considered.

A. Experimental Data

Several experimental studies (Refs. 3.1.1-3, 3.1.1-4, and 3.2.13-1) have addressed the coolability limits for particle beds classified as deep beds, which are configurations that remain fixed in the presence of vaporization within the bed. These studies, one of which was carried out as a part of this study and is detailed in Appendix 3.4.5, have considered particle sizes between 500 μm and 6350 μm. These experimental results are compared in Figure 3.2.13-1. There is excellent agreement between the dryout flux measurements for these two different experiments. (Only representative data are shown for the results from this study with vertical bars describing the scatter. The complete data listing is given in Appendix 3.4.5.) This agreement is encouraging since the heating method used in Ref. 3.2.13-1 was electrical resistance of the particles whereas electrical induction heating was used for the tests carried out in this study. The simplified debris bed dryout model used in evaluating in-vessel coolability (designated by $c_f = \frac{90}{N_{Re}}$ in the figure) is also shown as is the saturated critical heat flux prediction for a pressure of 0.1 MPa.

The simplified model that predicts that the dryout heat flux varies as the square of the particle diameter is in close agreement with the measured behavior for particle diameters of 500 μm, but it overpredicts the measured results for larger particles. However, the CHF limitation underpredicts the measurements for particles of 6 mm in diameter. This particle size would be the lower range of the expected sizes for the imposed accident conditions. Consequently, the combination of the simplified debris bed model and the CHF limitation is a valid order of magnitude representation of the experimental data. These available experimental results substantiate the thesis that in-vessel coolability and accident termination can be achieved if water is added to the damaged core while it is in the original core boundaries.

As illustrated in Figure 3.2.13-1, the new, large particle diameter results reported in this study show that the dependence upon particle diameter changes as the diameter increases. For smaller diameters, the functional dependency appears to be the diameter squared. This was discussed and modeled by the authors of Refs. 3.1.1-3 and 3.1.1-4. At larger particle diameters, the dependency is closer to the square root of the diameter, which would reflect a constant frictional coefficient (c_f). This type of bed behavior has been reported for single phase flow through fixed particle beds and is represented in Ref. 3.1.1-2 as a frictional coefficient of the form

$$c_f = \frac{A}{N_{Re}} + B; \qquad N_{Re} = \frac{\rho_g J_g d}{\mu_g}$$

where A and B are constants, J_g is the superficial steam velocity, d is the particle diameter, and μ_g is the steam viscosity. If the simplified formulation is retained and the 6 mm results are used to determine the value of B, a functional form of

$$c_f = \frac{90}{N_{Re}} + 5$$

results. The dryout heat flux for this empirical model is expressed by

$$q/A_{do} = \rho_g h_{fg} \left[\frac{\rho_f g d \varepsilon^3}{\left(\frac{90}{N_{Re}} + 5\right) 2\rho_g (1-\varepsilon)} \right]^{1/2}$$

which requires an iterative solution since the heat flux determines the superficial velocity and thus the Reynolds number. The calculated heat fluxes for the range of particle sizes tested are also illustrated in Figure 3.2.13-1. The agreement with measurements is very close and the limiting two-phase flow through these volumetrically heated beds can be described in the same functional dependence as single phase flow. (The calculations were carried out for a bed porosity of 0.4; this was essentially that measured experimentally in both test series shown in the figure.)

B. Ex-Vessel Debris Bed Characterization

Of all the accident scenarios that result in release of core debris from the RPV, the large break LOCA sequences are the most severe tests of ex-vessel debris cooling. This is because vessel failure conditions would not provide any significant dispersion of the material as it streamed into the reactor cavity. While an ex-vessel steam explosion could occur when the first part of the core debris enters water, the amount of core material involved would be small and the net result of such an event would be the temporary displacement of water away from the

interaction locale. Consequently, the remainder of the discharged material would accumulate in the reactor cavity with the water temporarily displaced without a significant dispersive mechanism. As a result, the surface area for quenching and heat removal is limited to the floor area of the reactor cavity and instrument tunnel; i.e. about 50 m^2. Assuming that the more volatile fission products represent about one-third of the decay heat generation, then the permanent coolability of 50 percent of the core debris would require a surface heat flux of about 200 kw/m^2. In addition, if all of the debris were to eventually melt and run into the cavity, a surface heat flux of 400 kw/m^2 would be required. Since all the debris is accumulated in the reactor cavity/instrument tunnel, this is the maximum average surface heat flux necessary to provide permanent coolability. This also represents the debris condition used in the low probability paths (gravity drop cases) used in the containment event trees for the sequences with elevated RCS pressures at reactor vessel failure.

The principal assessment for these debris bed configurations is the particle size developed by the release from the vessel and the quenching process in the cavity. In this evaluation, one can draw heavily upon the available experimental data for similar conditions, such as the reported particulate distributions of Benz et. al. (Ref. 3.1.3-2) which are listed in Table 3.1.3-1. These data show that the major fraction of the material is in the form of large fragments (a few millimeters) and 95 percent of the debris has a characteristic size greater than 500 μm. As discussed in Subsection 3.1.3.2.1, these experiments, which were carried out with an excess of water, could be readily interpreted by a hydrodynamic, film boiling fragmentation mechanism. For those sequences with limited water in the reactor cavity, i.e. those without injection, this would probably not be the major fragmentation mechanism. However, it could be a mechanism to consider for those sequences with substantial water accumulation in the cavity (loss of recirculation scenarios). If the water in the cavity is assumed to be saturated, this fragmentation mechanism would predict a particle diameter of almost 2 m for any non-coherent melt and a containment pressure of 0.1 MPa, and if the water is subcooled 60°C, the particle diameter would be about 0.6 m. These large diameters are unrealistic in that such large configurations would pass through the water to the concrete working slab without freezing and would coalesce into a molten layer. Consequently, there would be no significant fragmentation process as the melt was discharged into the water for these "gravity drop" situations. As a result of this lack of fragmentation and the maintenance of a molten state as the material is discharged into the cavity, it is reasonable to assume the material is uniformly distributed over the floor surface of the reactor cavity and instrument tunnel.

After the material discharge has been completed, the water will cover the debris and the quenching process will follow. This vigorous steaming process can generate substantial temperature gradients on the material when nucleate boiling occurs, but as discussed in Section 3.1, the minimum film boiling temperature is several hundred degrees centigrade below the freezing point of the degraded material; i.e. the material has considerable strength when direct contact and nucleate boiling occur.

As a result, the likely event progression would be a solidification of the debris surface. This is a result of convective and radiative film boiling and water eventually contacting the surface, ensuring a reasonably thick oxide crust that would likely crack upon freezing. However, as discussed in a later section and supported by extensive large scale studies at the Sandia Laboratories, the molten material on the working slab would overheat and eventually thermally attack the concrete. The first result of overheating the concrete would be the vaporization of entrapped water within the pores; the aleviation of the steam would be upward through the melt. Experimental observations summarized in Appendix 3.4.2 report that this release of steam and the other gaseous products is a very dynamic process: one capable of dispersing at least half of the molten material out of the crucible in one test and levitating the solidified core material in another. It is this vigorous generation and release of steam and gaseous products that would provide the most influential fragmentation mechanism, one which is also self-limiting.

Experimental data demonstrates that the gas evolution plays a major role in the rate of thermal attack of the concrete. Thermal attack generates steam and gaseous products, but the continued attack requires the removal of these products. For a melt configuration spread over the entire floor, the mechanism for releasing these products is upward through the melt and the cracks in the frozen crust. The spacing over which these gaseous products are "vented" through the overlying melt can be estimated by the fastest growing wavelength (λ) for a Taylor instability:

$$\lambda = 2\pi \left(\frac{3\sigma}{g(\rho_F - \rho_g)} \right)^{1/2}$$

where σ is the melt surface tension, g is the acceleration of gravity, ρ_F is the density of the fuel, and ρ_g is the density of the gaseous products. This represents the fastest growing surface disturbance for the unstable configuration of heavier fluid (molten debris) overlying a lighter fluid (gaseous products) as shown in Figure 3.2.13-2. Consider a melt with a density of 7000 kg/m^3, a surface tension of 1 N/m, and a gas mixture density of 1 kg/m^3, for which the fastest growing wave length would be about 4 cm. This provides an estimate of the smaller fragment sizes that would result from the upward flow of the gaseous products. It should be noted that the solidified material may have characteristic dimensions larger than this value as demonstrated by the experiments, but the gaseous flow does not provide a mechanism for substantially finer fragmentation than shown here.

Another aspect of the concrete attack and gas evolution demonstrated in Ref. 3.2.13-2 for experiments with stainless steel and concrete is that the initial attack and steam/gas release can cause the melt to "boil-up" to twice its volume or more. For such conditions, the solid crust, formed by energy transfer with the overlying water, will have a density much greater than the two-component, two-phase pool below. As a result, the crust pieces would sink, bringing more molten material to the

surface to enhance the energy transfer with the water. The sinking particulate would exchange heat with the melt and enhance the cooling process as well as generally grow in size. This cyclic process is the likely mechanism for establishing the particle bed for the gravity drop cases.

Considering (1) the particle sizes reported by Benz et. al. (Ref. 3.1.3-2) for both stainless steel and uranium dioxide; (2) the limited material involved in an ex-vessel steam explosion if it occurs at all; (3) the spreading of core material over the floor area as it is released from the vessel, and (4) the Taylor instability mechanism for material break-up, the particulation of the debris would result in sizes of several millimeters or larger. The deep bed data illustrated in Figure 3.2.13-1 show that the coolability limits for these particle sizes are considerably in excess of the heat flux required for permanent coolability. Consequently, the process would be one of net quenching; permanent coolability would be established within the cavity for the gravity drop cases. As will be discussed later, some limited concrete attack would occur during the quenching process.

For those accident sequences with elevated RCS pressures in which the material released from the vessel is dispersed onto the containment floor, the material configuration to be evaluated would be one in which 50 to 80 percent of the debris is distributed on the containment floor and the remainder accumulates in the cavity. The fraction of the debris dispersed by the high pressure gases would require an average surface heat flux of between 17 kw/m^2 and 27 kw/m^2. Comparing this with the deep bed data shows that extremely fine fragmentation would be required to preclude permanent cooling. In addition, this would be a very shallow bed that has a higher heat flux limit than the deep beds as shown in Appendix 3.4.5. Consequently, the material on the containment floor would be coolable as long as water is supplied to the surface.

For the remainder of the material accumulated in the reactor cavity in the dispersive events, the fragmentation would be similar to that experienced in the tests of Benz et. al. The material that could potentially be involved in small steam explosions could not only be fragmented but also dispersed. Hence, the character of the debris remaining in the cavity would have a typical dimension of a few millimeters. Such particle beds would be permanently coolable as long as water is continually supplied to the cavity, which only requires that there should be sufficient water on the containment floor to spill over into the manway, the instrument tunnel and the reactor cavity.

C. Conclusions

For the gravity drop cases including the large break LOCA sequences and the low probability paths for the small break and transient sequences, the debris would remain in the reactor cavity and instrument tunnel, with the particulate sizes having a characteristic dimension of several millimeters. The dispersive sequences would result in shallow debris beds on the containment floor with the remainder of the material accumulating in the cavity over an extended interval. This latter material

would have a characteristic dimension of a few millimeters. These debris configurations would be permanently coolable as long as water was supplied to the debris.

3.2.14 Establishment of a Heat Transport Cycle

Before core degradation can occur, the core must be uncovered. As discussed in Ref. 3.1.1-7, this would require the loss of at least 65 percent of the primary coolant from the RCS. The accumulation of this water in the containment would result in flooding of the containment floor to the depth of the curb surrounding the manway and the instrument tunnel. Water would also drain into the reactor cavity. The amount of the water would depend on the specific accident sequence, but for those in which either the containment sprays or fan coolers are operational, considerable water will be ensured in the reactor cavity. For those sequences with injection but loss of recirculation capability, even more water will be available.

Given the guaranteed initial supply of water on the floor of the containment building and the reactor cavity, the steam from the initial quench and the removal of decay heat will rise in the containment. With the operation of the fan coolers, the steam would be circulated over the cooling coils, condensed, and would then drain back to the containment floor. Since the floor would already be flooded, the addition of this condensate would force more water over the curb into the cavity. This completes the heat transport cycle and guarantees permanent coolability.

Steam can also be removed from the containment by the sprays. The water would drain onto the containment floor causing the water on the floor to spill over into the manway and the instrument tunnel. This insures that a continual supply of water would be available in the reactor cavity. A heat transport cycle would be established by cycling the water through the Residual Heat Removal System heat exchangers. This recirculation takes suction from the baffled recirculation sump on the containment floor. Since the floor is flooded, this guarantees a continual water supply with particle dimensions of a few millimeters. The baffles will allow the particulate to be separated out from the suction flow.

For sequences in which the containment safeguards are operational, the establishment of the necessary heat transport cycle would occur naturally from the core quench and the decay heat removal from the debris.

3.2.15 Concrete Attack by a Bed of Overheated Core Debris

The concrete basemat beneath the reactor vessel is subject to attack by the hot molten core debris if the overheated debris comes into contact with the concrete. Two types of events are considered in this report. The first is a dispersive event, caused by rupture when the system is at high pressure, resulting in ejection of the core debris from the reactor vessel as a core melt debris jet. If the water in the cavity is ejected as a result of a steam explosion or if the cavity is dry at the time of melt through, the fuel jet can impinge directly on the concrete producing basemat attack. The second is an accumulation of debris in the reactor cavity in which either no water is present or it is temporarily displaced so that direct concrete attack occurs. For such an event, the debris can collect in the reactor cavity and attack the concrete basemat. If water is present, a coolable debris bed can form and no significant concrete attack will occur.

Concrete attack by a jet of molten debris is discussed and evaluated in Section 3.2.4. It is concluded in that section that the total concrete penetration as a result of interaction with the debris jet would be much less than the thickness of the concrete working slab (2 ft.).

For the drainage of molten core debris into the reactor cavity in the "gravity drop" mode, the debris would displace the water and thermal attack could occur during the quenching interval. As discussed previously, if the quenching process is limited by a CHF mechanism that underestimates the quenching rate, the time to quench 50 percent of the debris at a containment pressue of 0.1 MPa is about 17 minutes. Since the containment would pressurize as a result of the steam formation, the quenching rate would actually increase with the increasing pressure. For instance, if the pressure increases to 0.2 MPa, the quenching rate would be increased from 60 Mw to 84 Mw, and to 104 Mw if the pressure reaches 0.3 MPa. In addition, the quenching time is not the appropriate time scale for assessing concrete attack since the significant attack occurs when the concrete can be melted. Using the data summarized in Appendix 3.4.2, the minimum measured melting point would be about 1100°C. For a 50 percent release of material, this corresponds to an energy removal of approximately 33 MJ, which requires 6.5 minutes for a quenching rate of 84 Mw. As discussed in the appendix, the data showed penetration rates varying from 0.4 cm/min with melt temperatures of 1700°C, to 2.8 cm/min with temperatures of 2800°C. Considering the melt temperature to be about 2200°C, a penetration rate of 1.5 cm/min is a reasonable estimate to evaluate the concrete attack. This would result in a penetration of 10 cm (4 in.) over the quench. If an 80 percent melt is considered, the estimated penetration would be slightly over 15 cm (6 in.). The basic conclusion reached for the quenching conditions is that the concrete attack is minimal and much less than the thickness of the working slab. Consequently, the containment liner would also remain intact.

With regard to concrete attack by core debris accumulating on the floor of a dry reactor cavity, the result of a sequence without containment safeguards in which the cavity water is vaporized and not returned to

the cavity, the computer code INTER as used in MARCH was used to estimate the rate at which molten core debris will penetrate the concrete basemat. The behavior of two types of concrete was investigated: limestone and siliceous. The composition of each aggregate is given in Ref. 3.2.13-2 (also see Appendix 3.4.2).

For these calculations, it was assumed that (1) the molten core-concrete interaction starts one hour after shutdown, (2) no sump water is in the reactor cavity, (3) 90 percent of the decay heat is generated in the oxidic portion of the melt and 10 percent in the metallic portion, and (4) that the initial melt pool diameter is one and a half times the reactor vessel diameter.

The results from the INTER code calculations indicate that the molten core debris in the absence of water, would penetrate a 10-foot thick basemat in approximately 20 to 25, hours depending on the type of concrete. Limestone concrete takes longer to penetrate than does the siliceous concrete.

Concrete attack also leads to production of noncondensable gases including hydrogen. The quantities of gases that could be generated by concrete attack and their effect on possible containment overpressure are discussed and considered in Section 4 of this report.

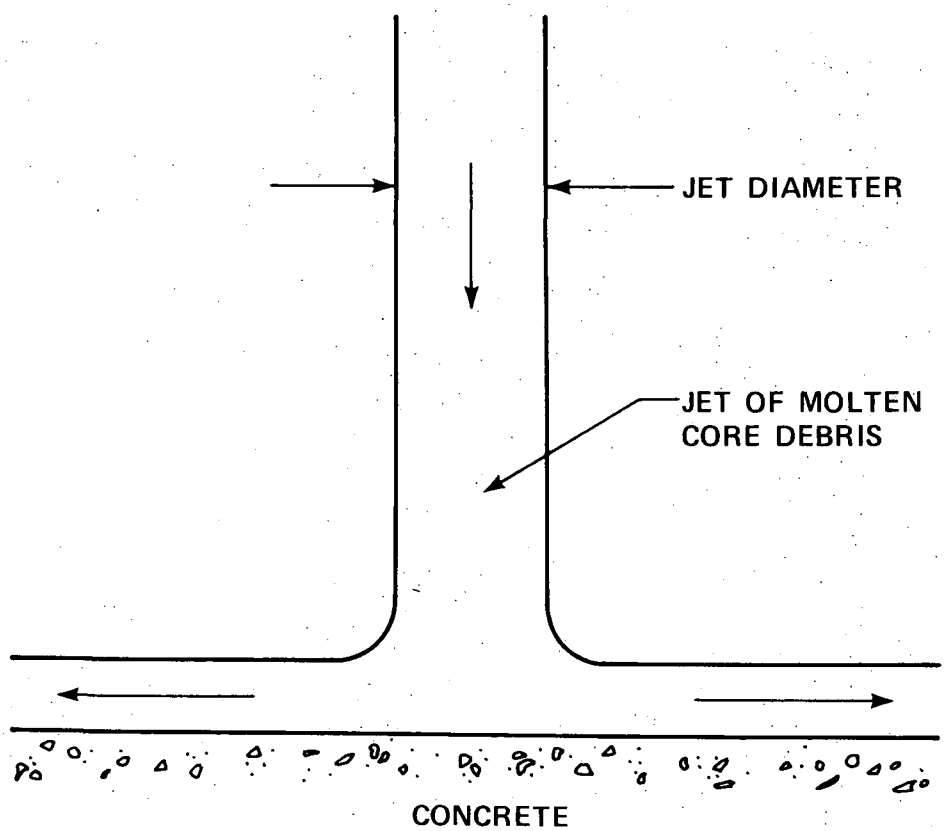


Figure 3.2.4-1. Jet of Core Debris Impinging on Concrete

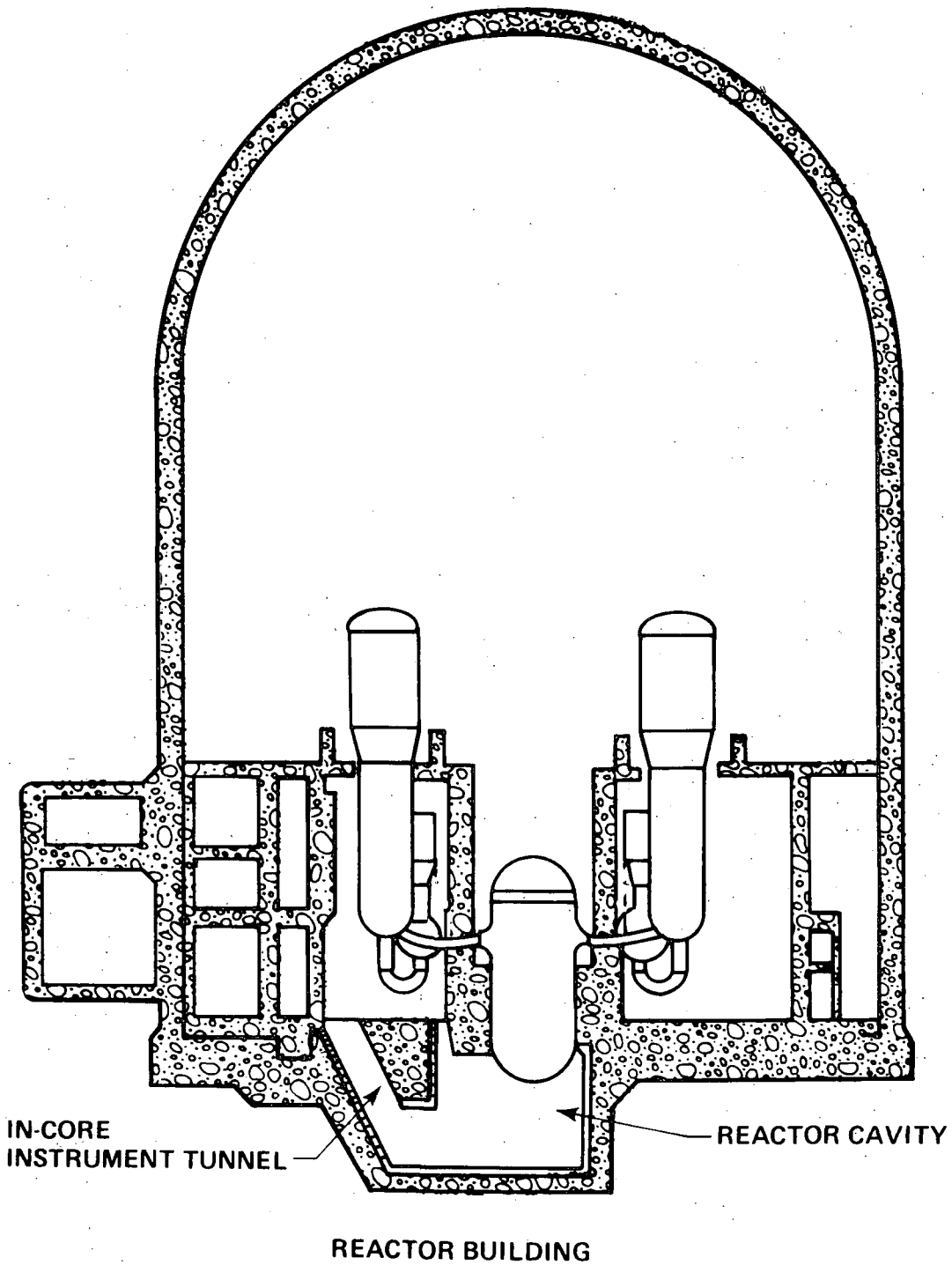


Figure 3.2.5-1. Indian Point Reactor Building

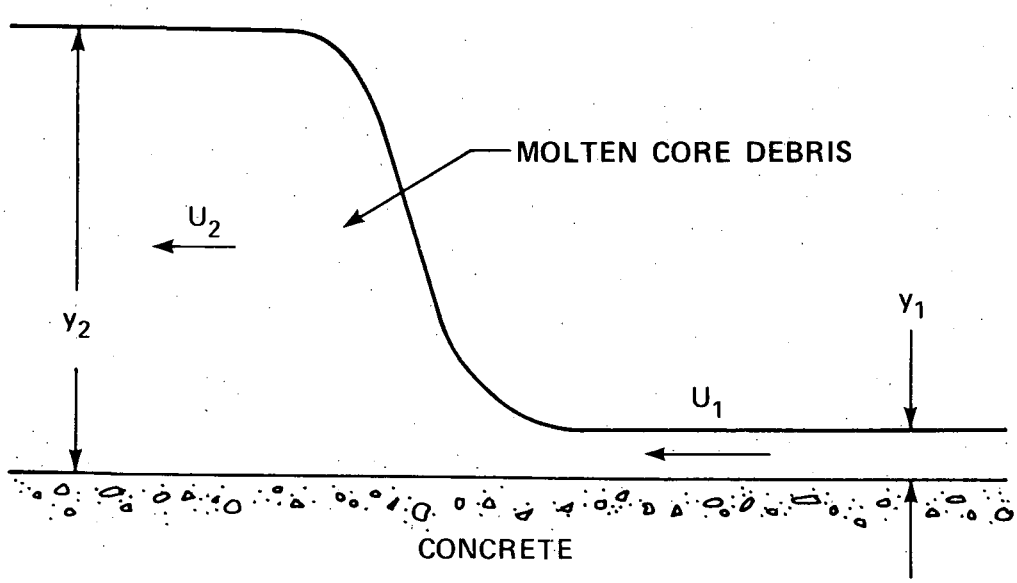


Figure 3.2.5-2. Hydraulic Jump Configuration

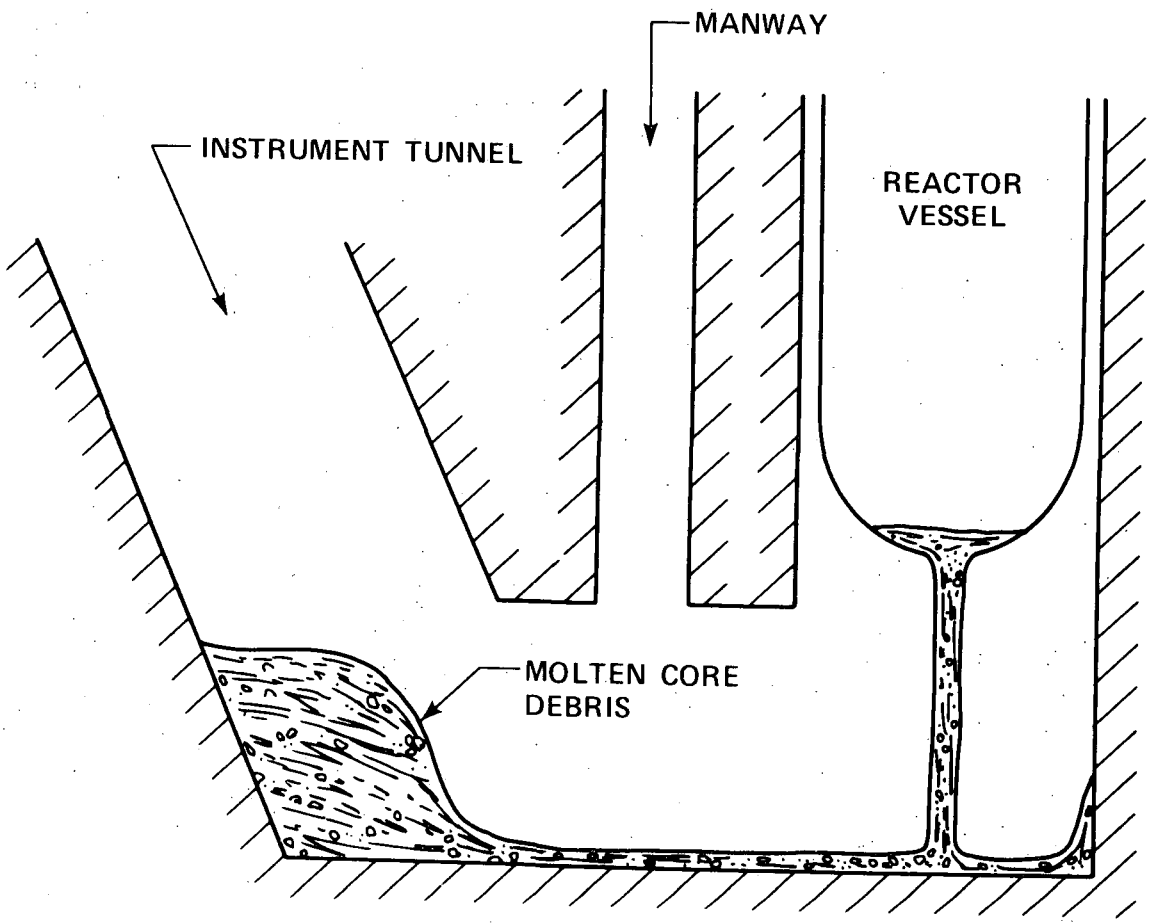


Figure 3.2.5-3. Molten Core Debris Configuration at the End of the Liquid Discharge

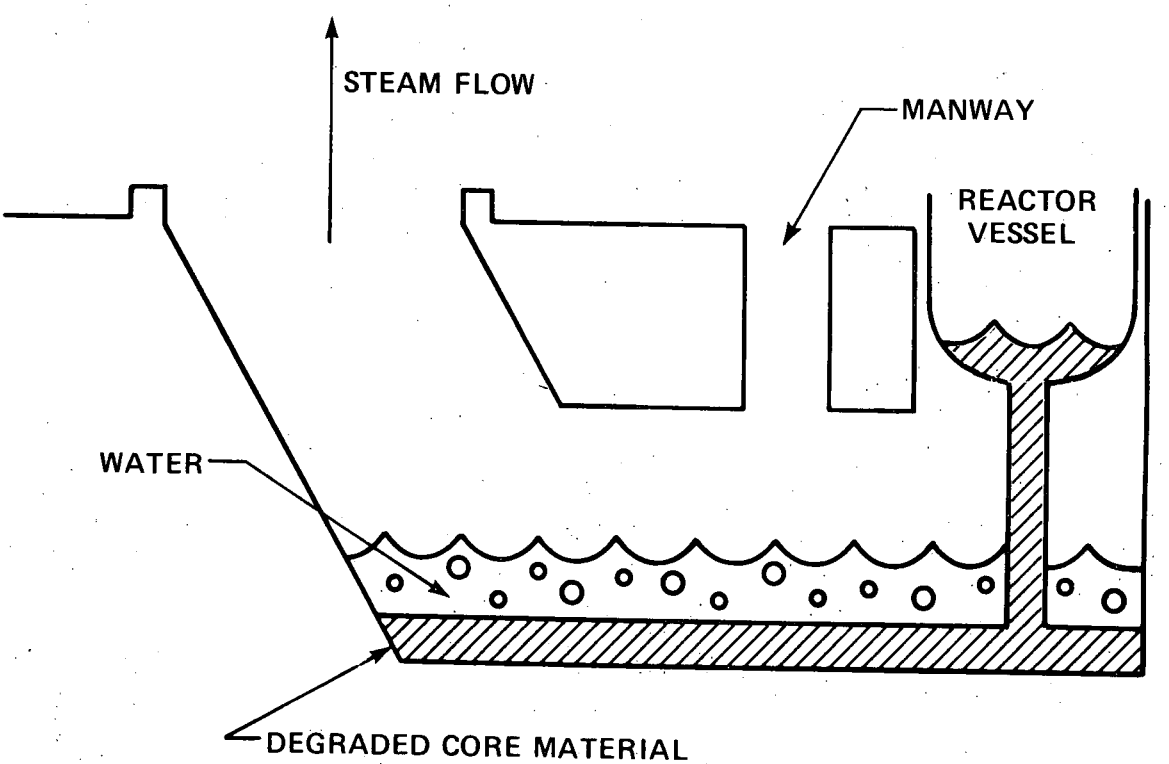


Figure 3.2.6-1. Possible CHF Limited Quenching Mechanism During Material Discharge Stage

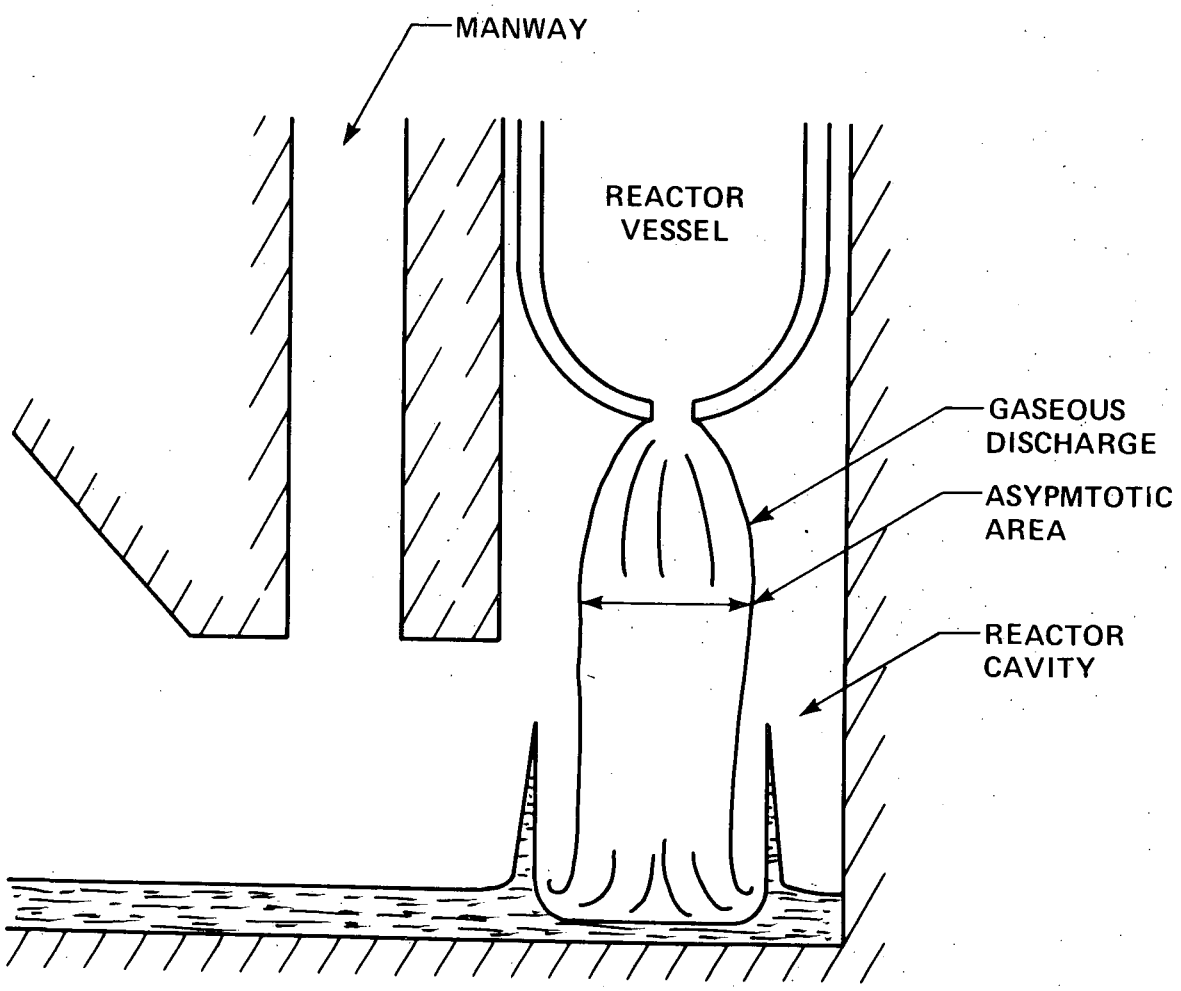


Figure 3.2.8-1. Dynamic Pool Configuration as a Result of Initial High Pressure Gas Discharge

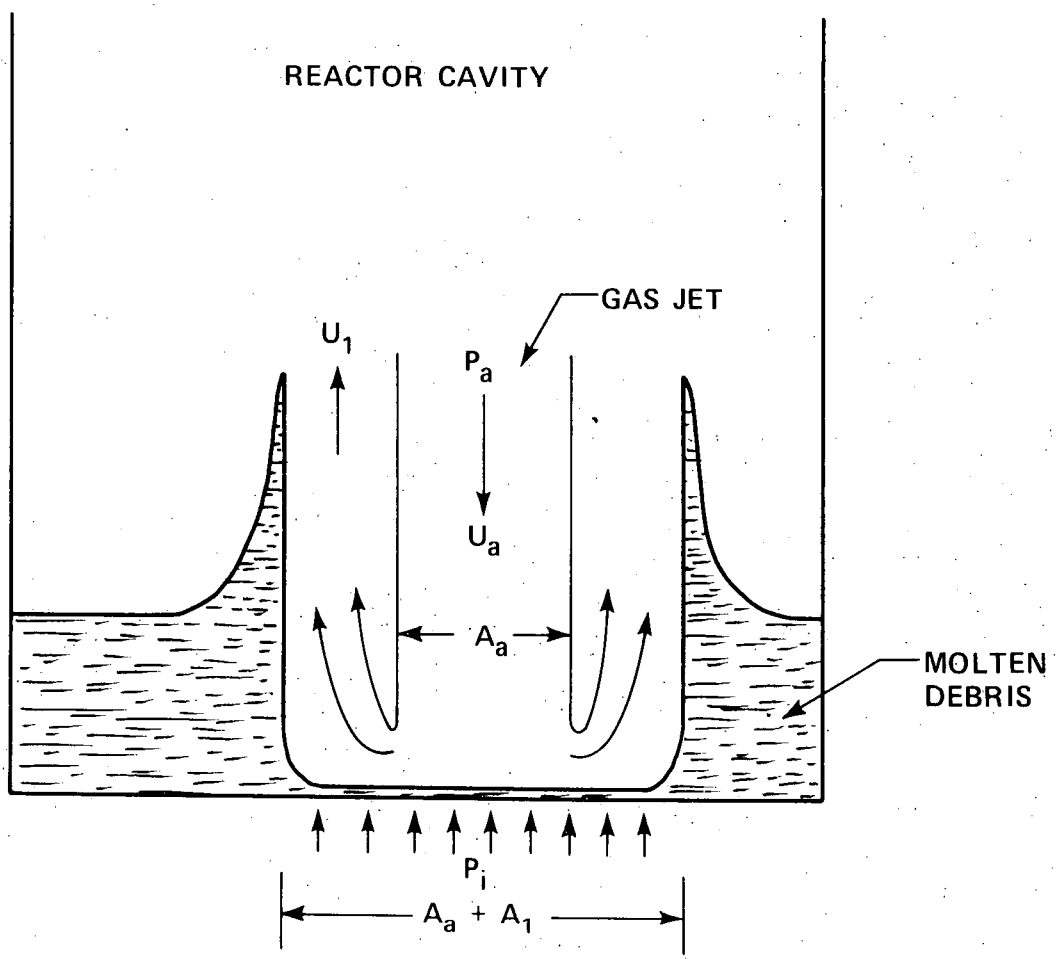


Figure 3.2.8-2. Stagnation and Reversal of the High Velocity Gas Jet

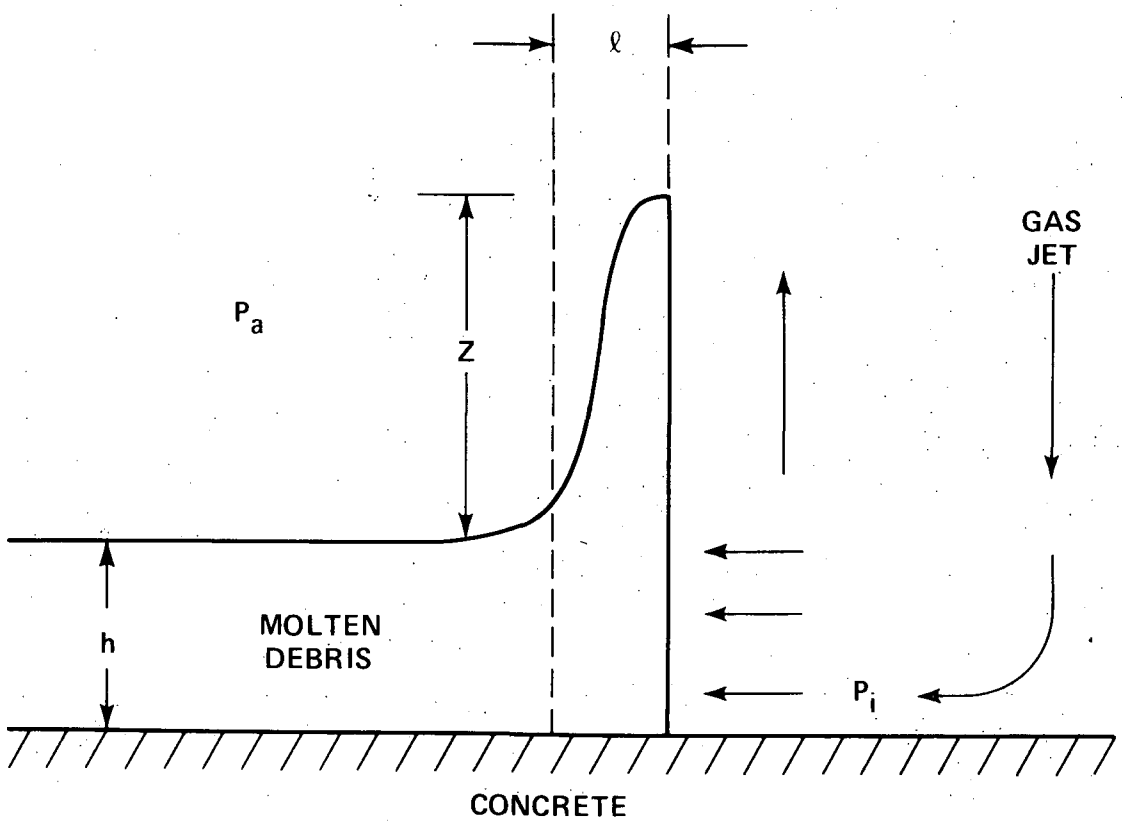


Figure 3.2.8-3. Forces Acting on the Distorted Surface

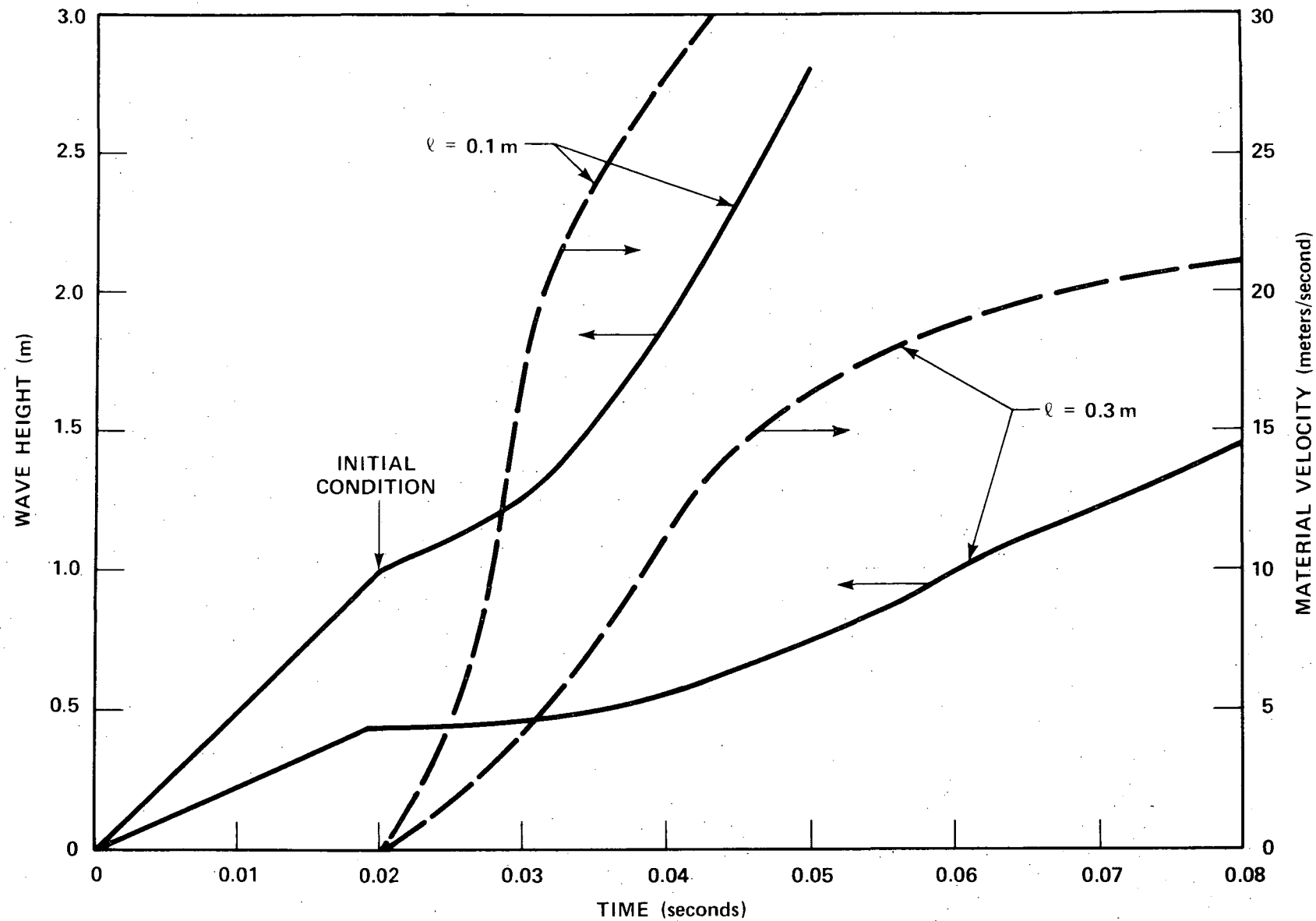


Figure 3.2.8-4. Wave Growth and Material Velocity

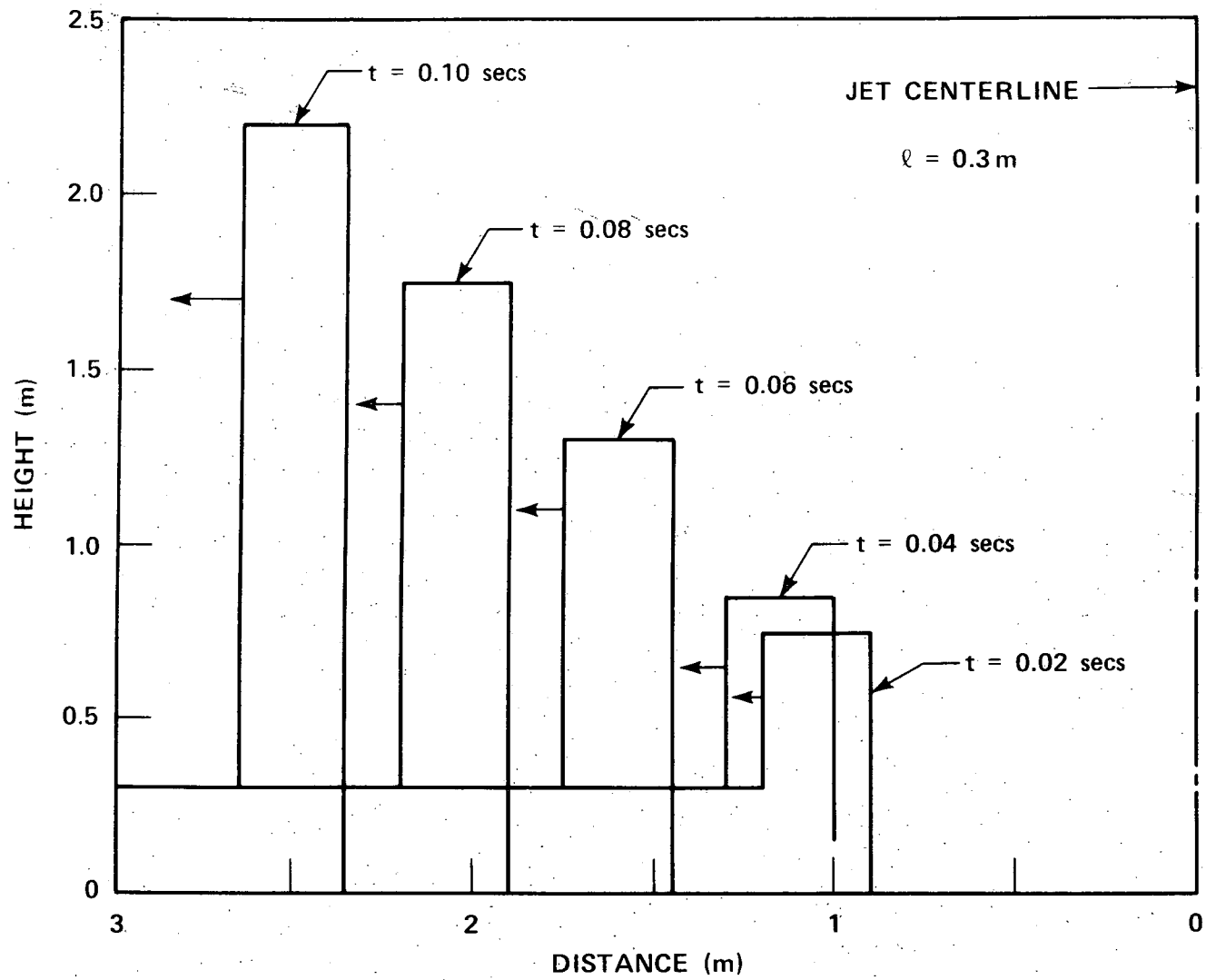


Figure 3.2.8-5. Wave Development for a Transient Sequence with ℓ = 0.3m

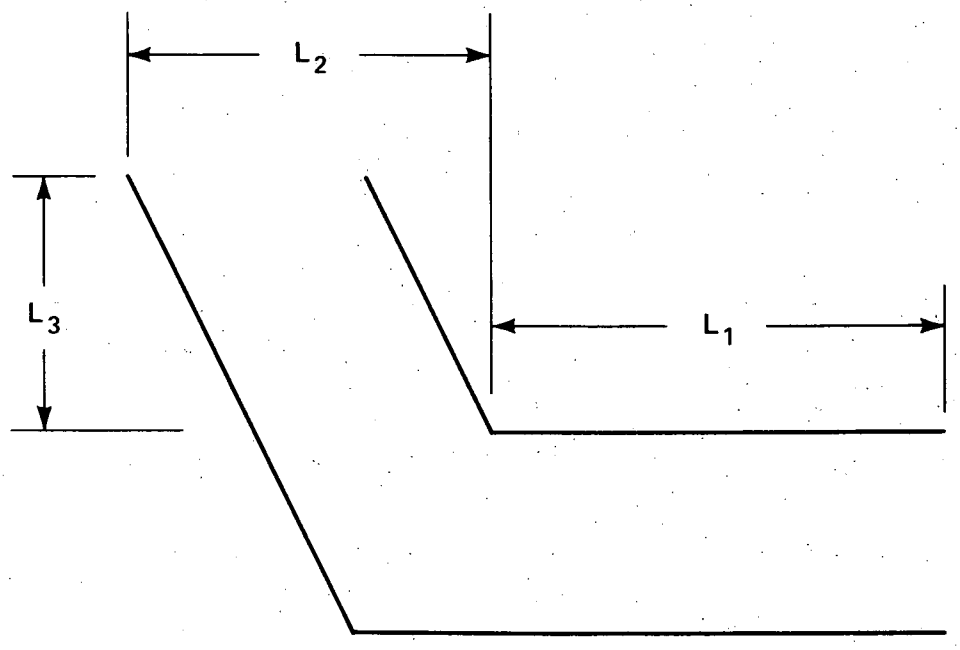


Figure 3.2.8-6. Instrument Tunnel Configuration for Separation Calculations

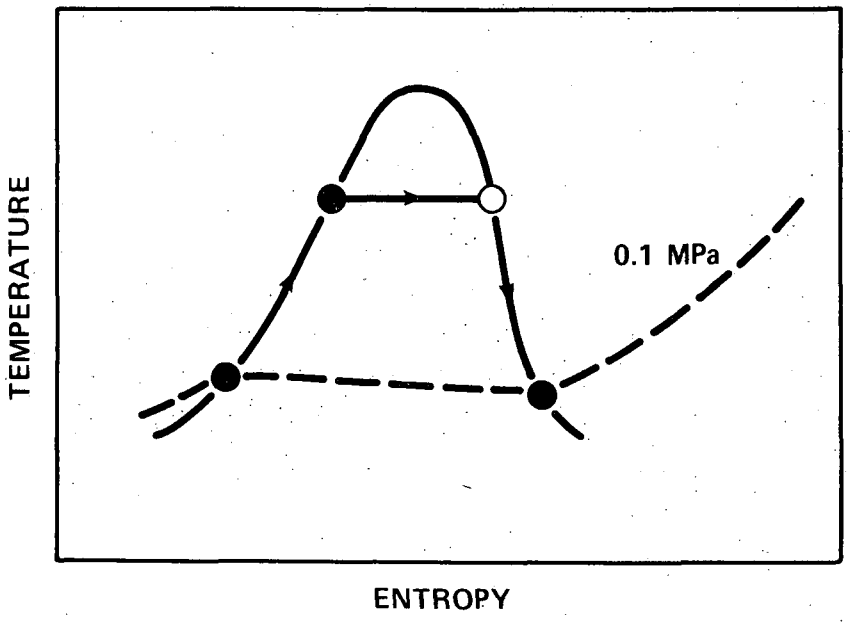


Figure 3.2.9-1. Thermodynamic Path for Localized Steam Explosions

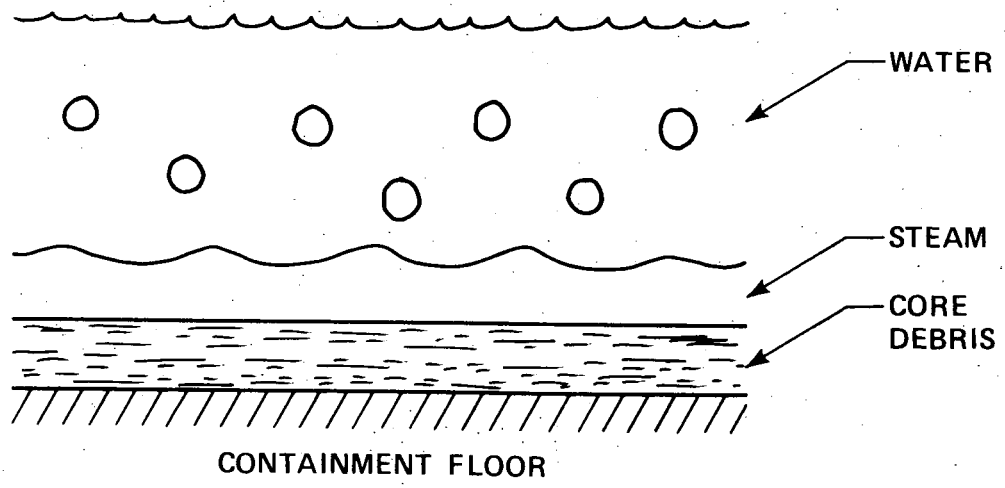


Figure 3.2.9-2. Radiation – Film Boiling Cooling Configuration

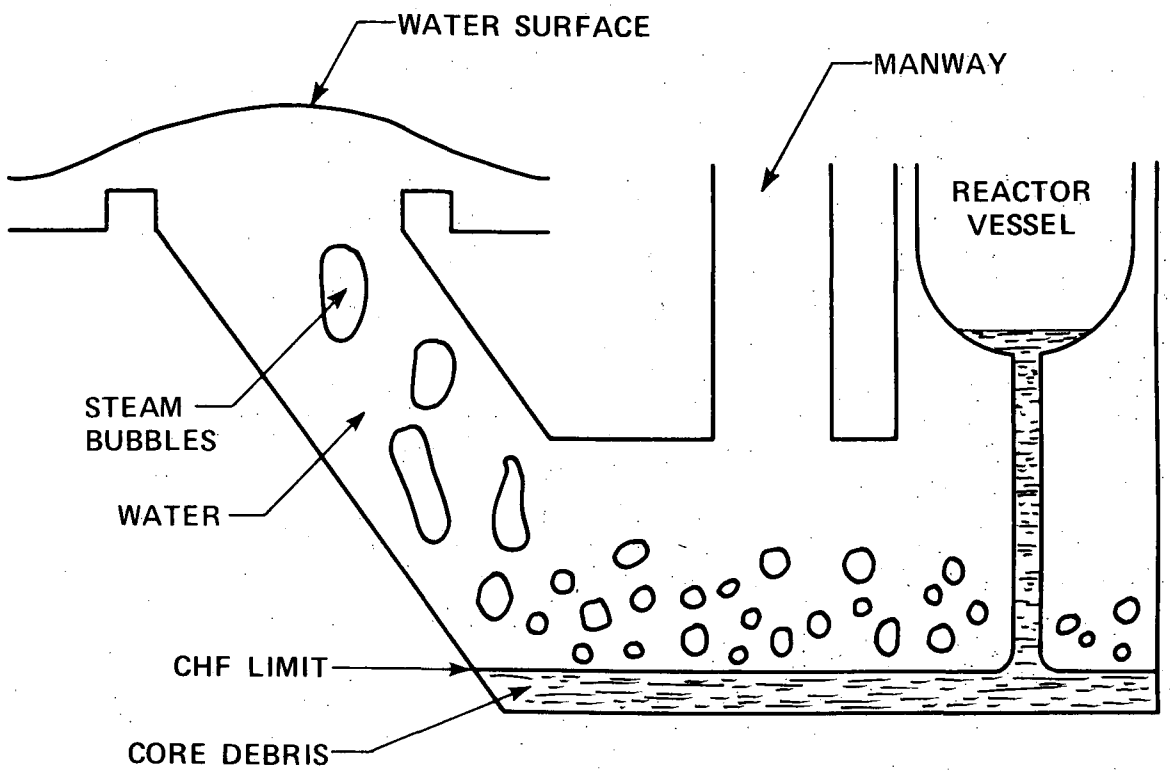


Figure 3.2.9-3. Boiling from Debris Bed and Water Displacement

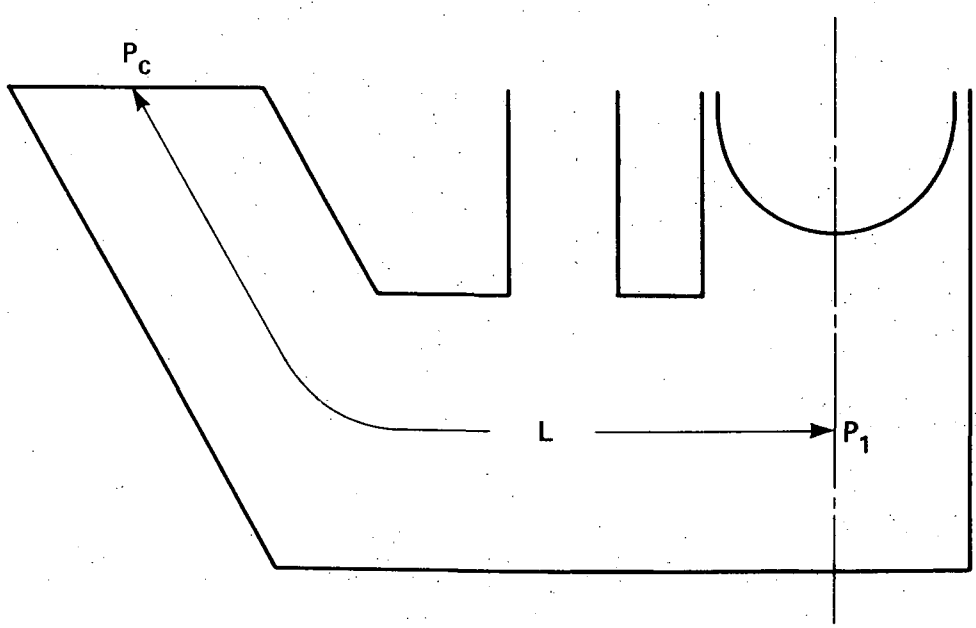


Figure 3.2.9-4. Configuration Assumed for Water Expulsion Calculation

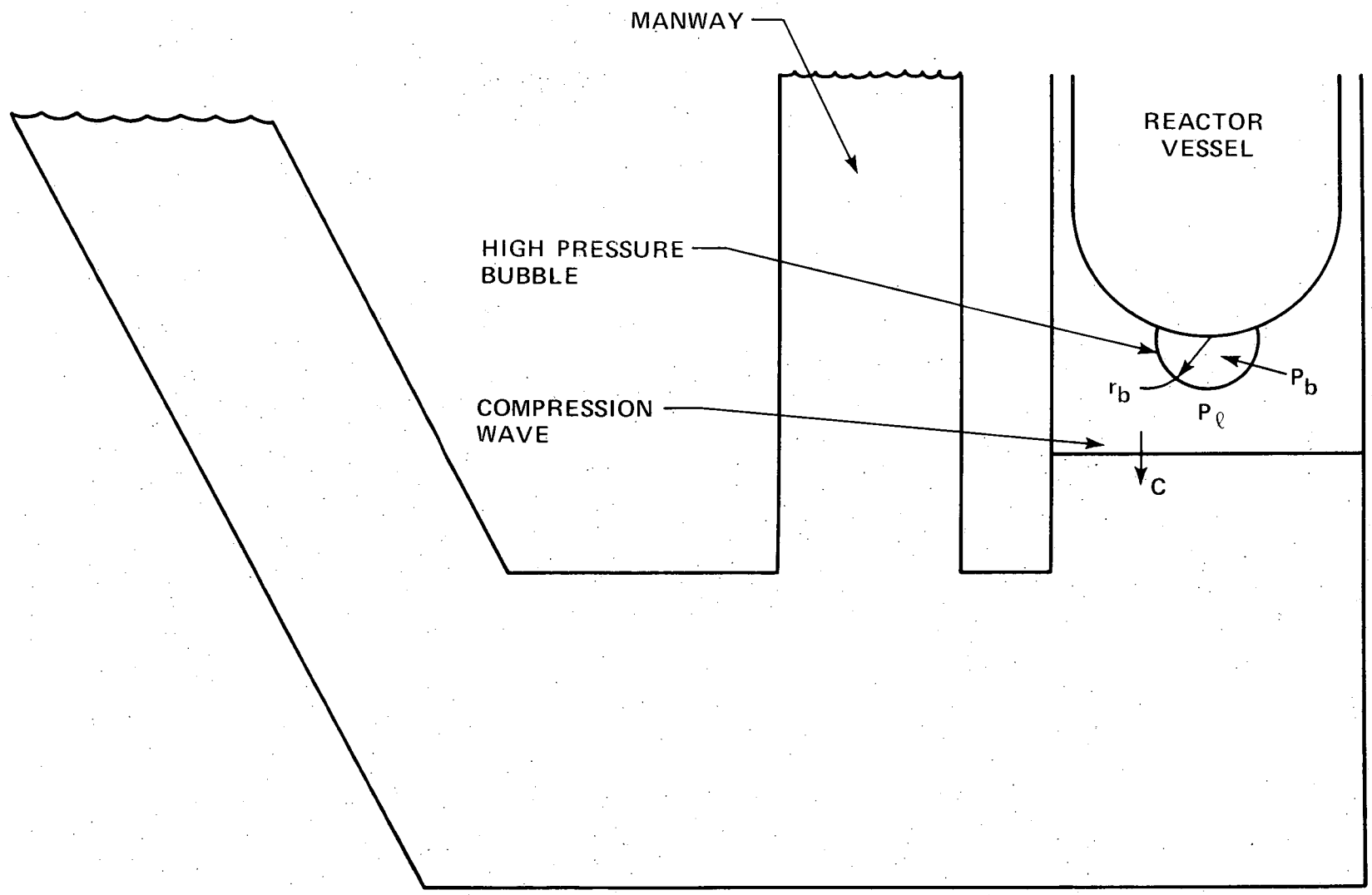


Figure 3.2.9-5. Model for Calculating Vessel Failure Transient with a Flooded Cavity

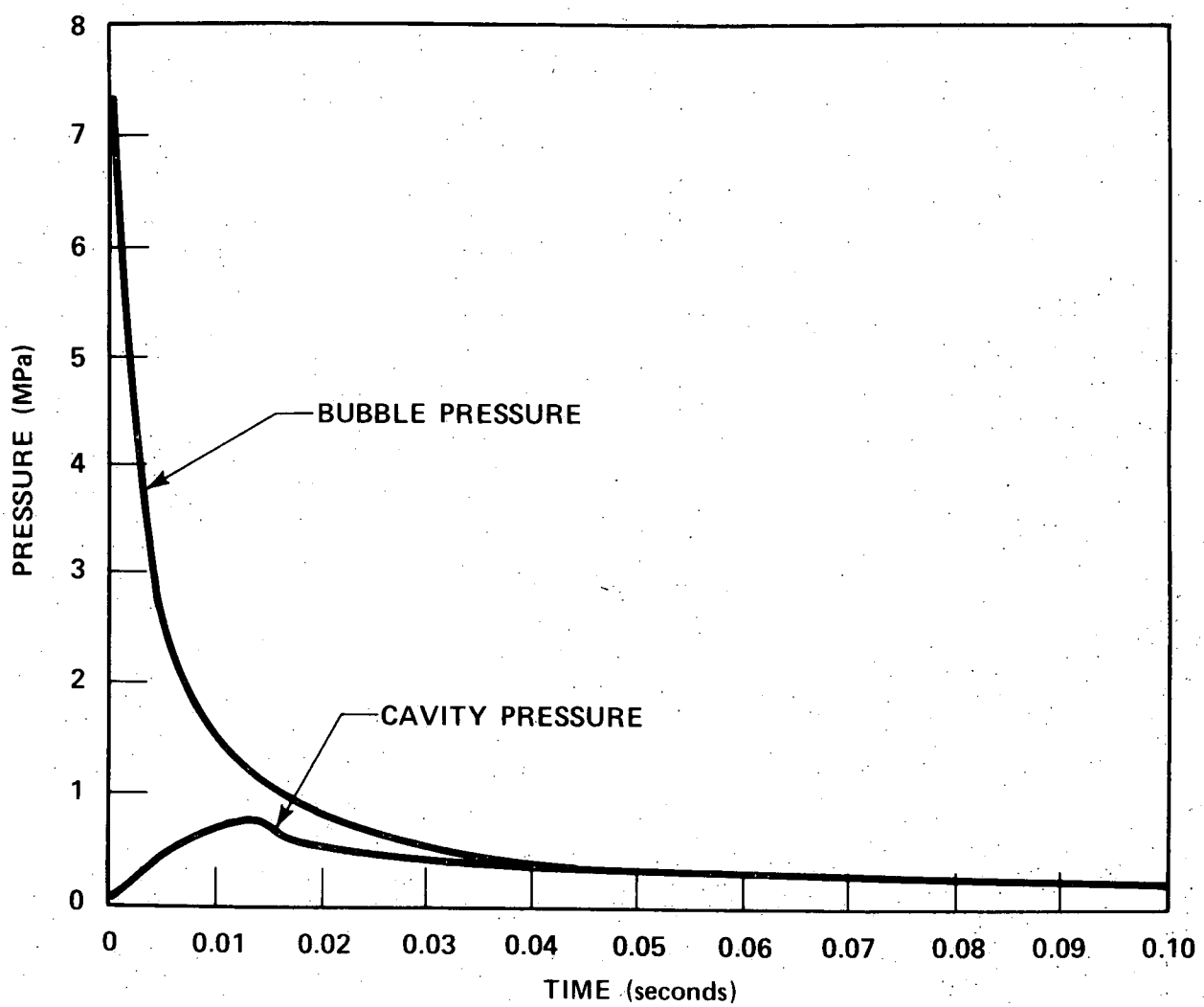


Figure 3.2.9-6. Prediction for Bubble and Cavity Pressures Immediately Following Vessel Failure for a Case With the Cavity Flooded

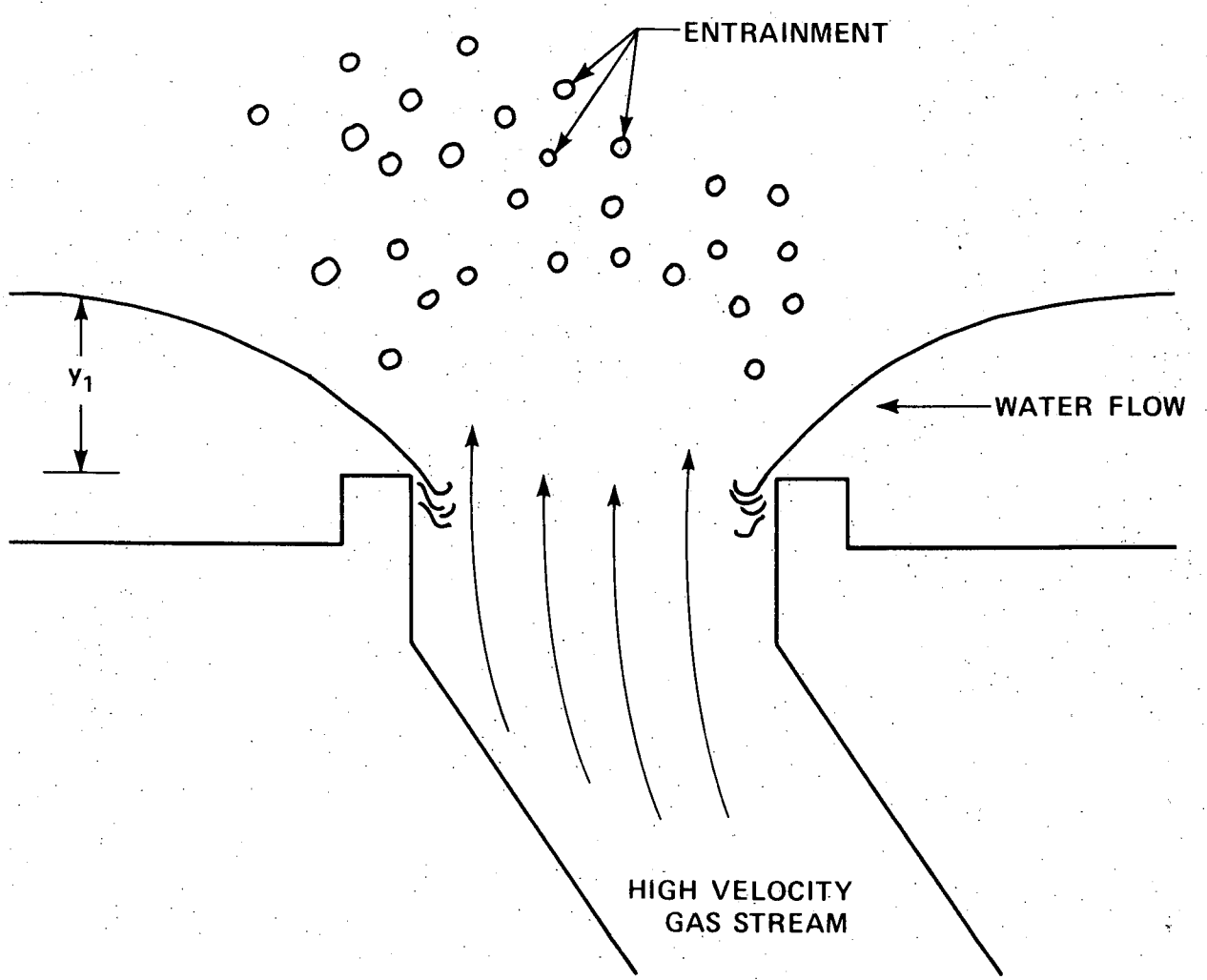


Figure 3.2.9-7. Water Entrainment at the Mouth of the Instrument Tunnel

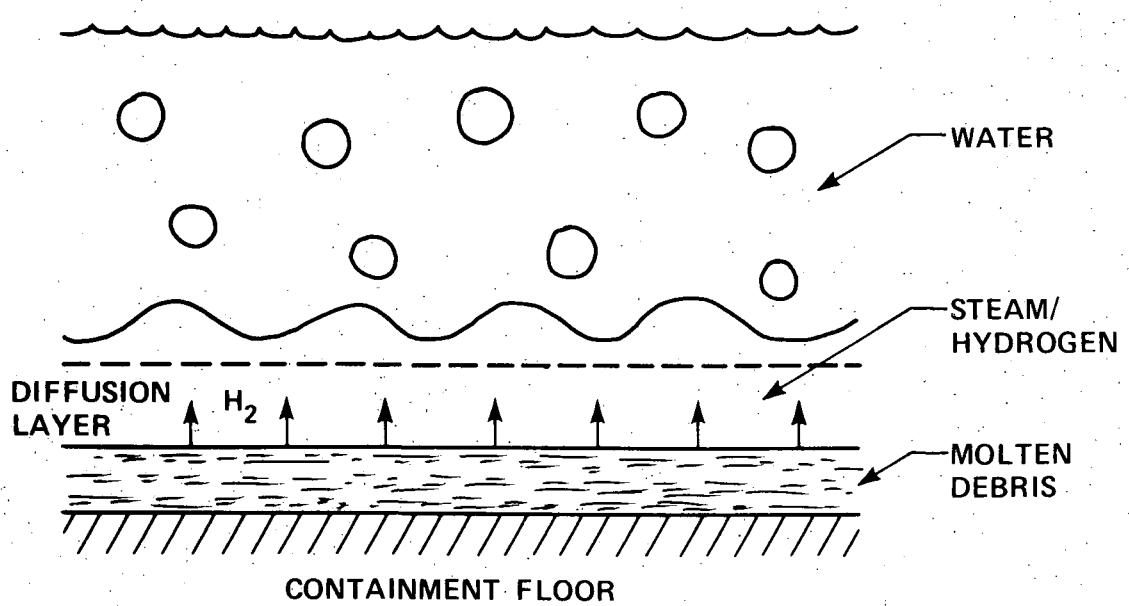


Figure 3.2.10-1. Schematic of Hydrogen Diffusion Limitation

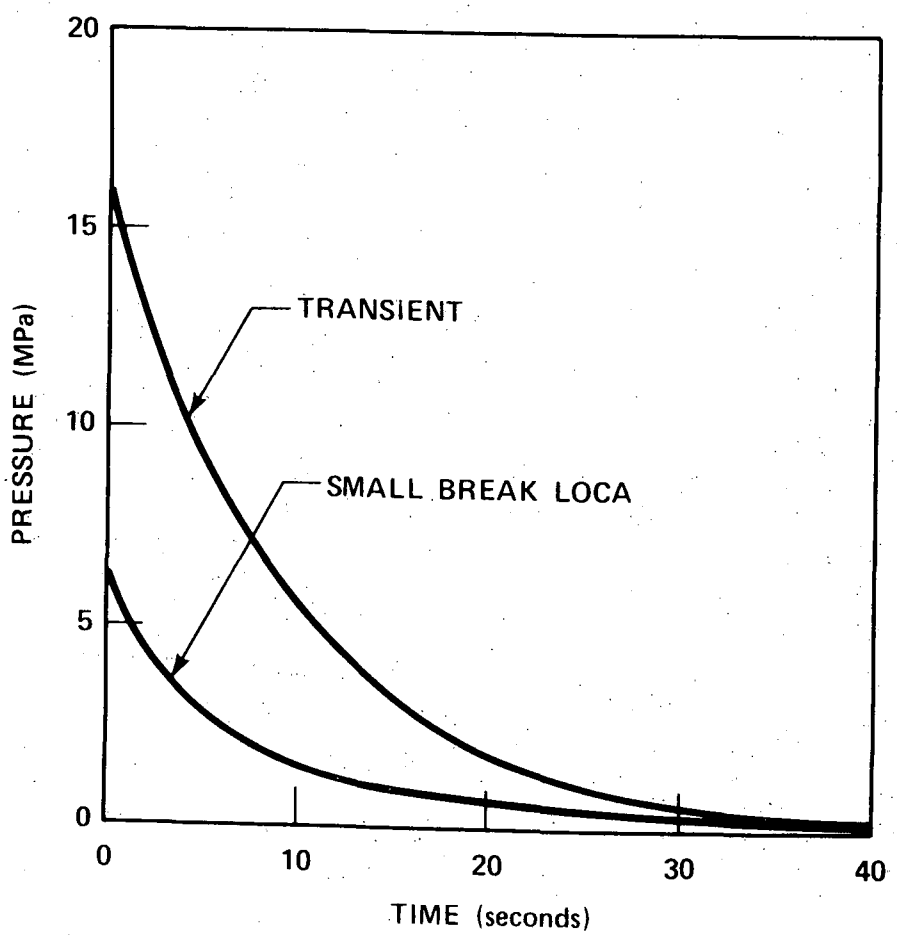


Figure 3.2.11-1. Pressure Vessel Blowdown for Typical Transient and Small Break LOCA Conditions

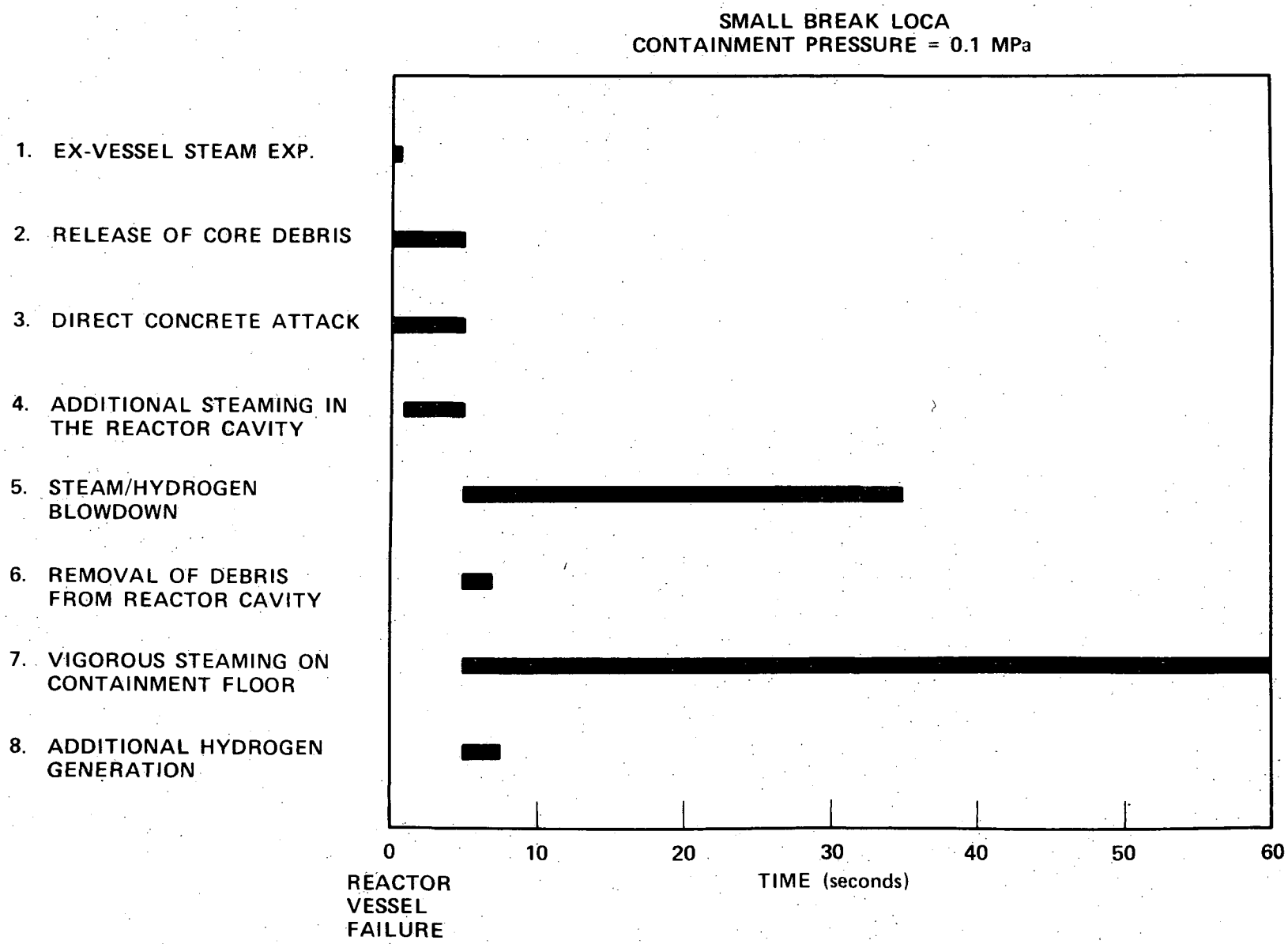


Figure 3.2.12-1. Comparative Time Intervals for Small Break LOCA Scenarios

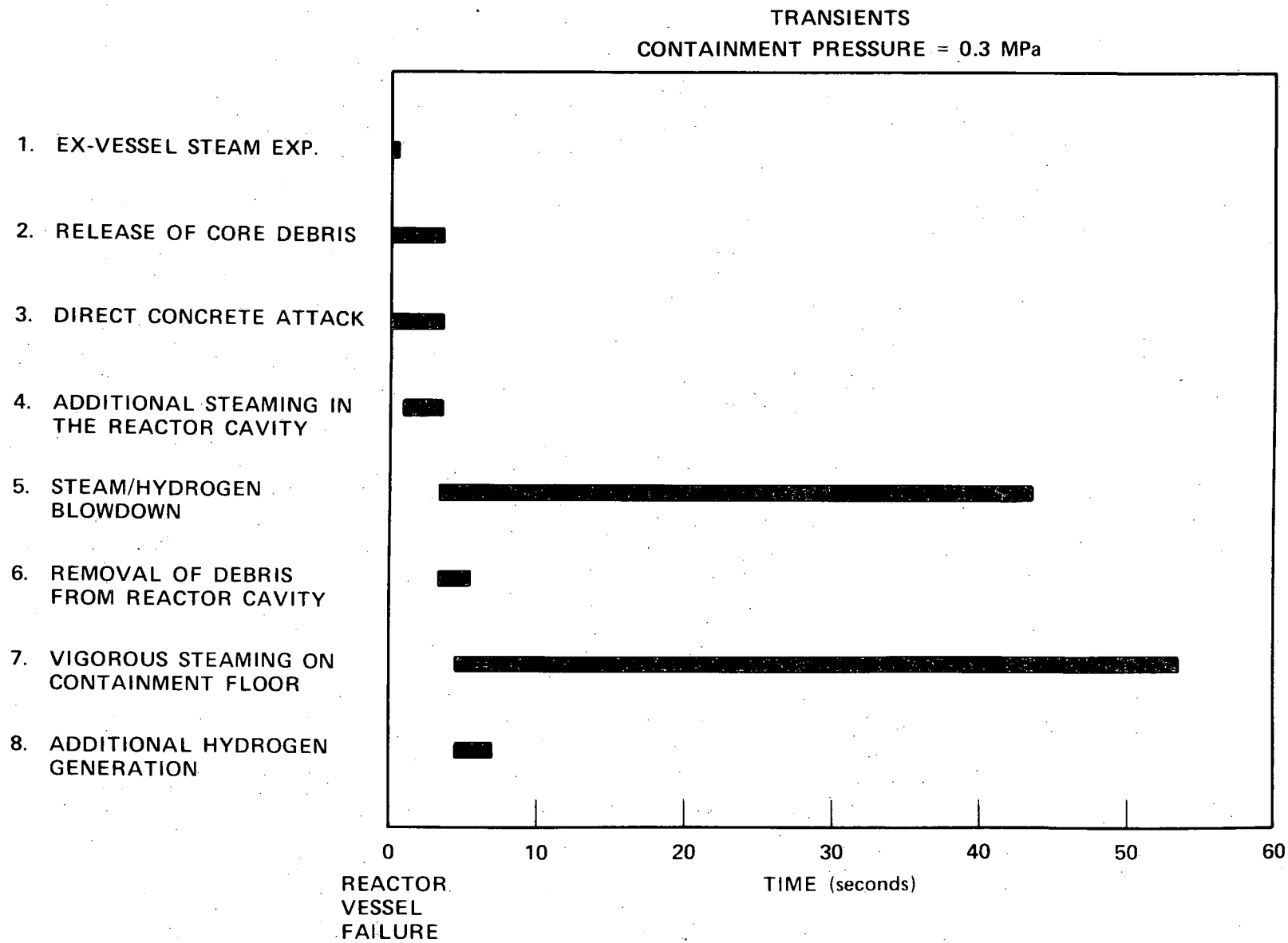


Figure 3.2.12-2. Comparative Time Intervals for Transient Scenarios

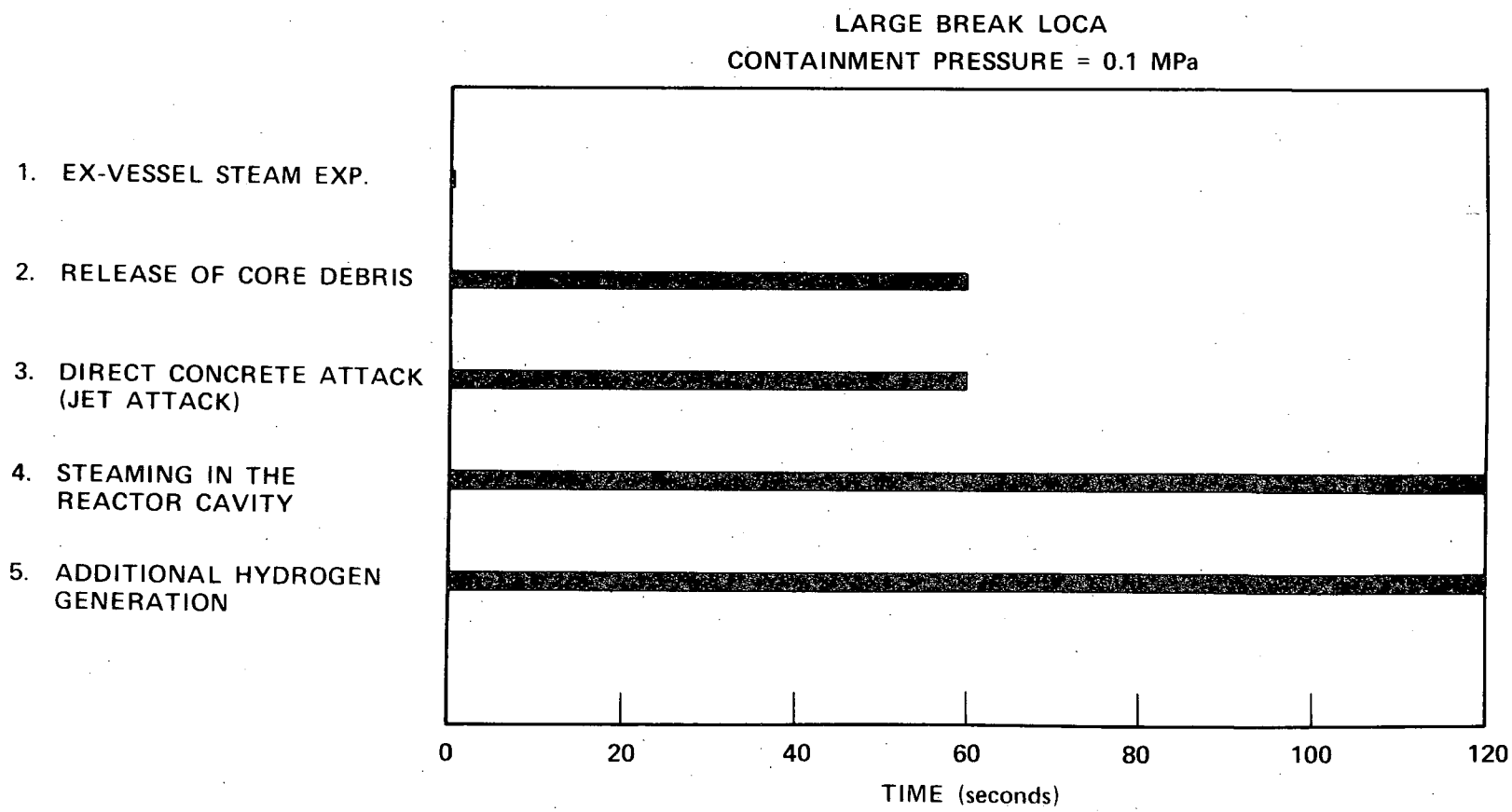


Figure 3.2.12-3. Comparative Time Intervals for Large Break LOCA Scenarios

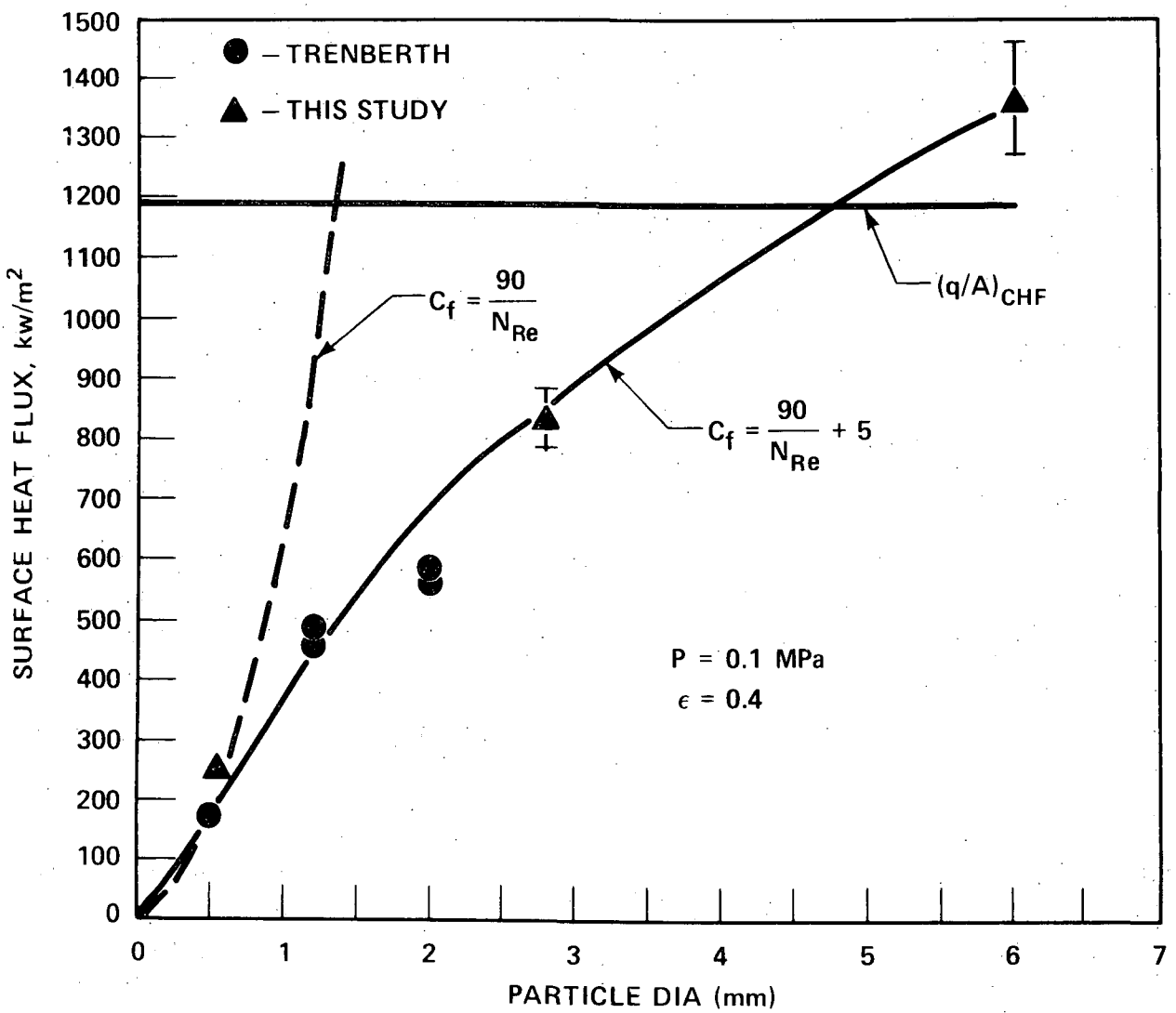


Figure 3.2.13-1. Dryout Heat Flux Data for Water in Deep Beds

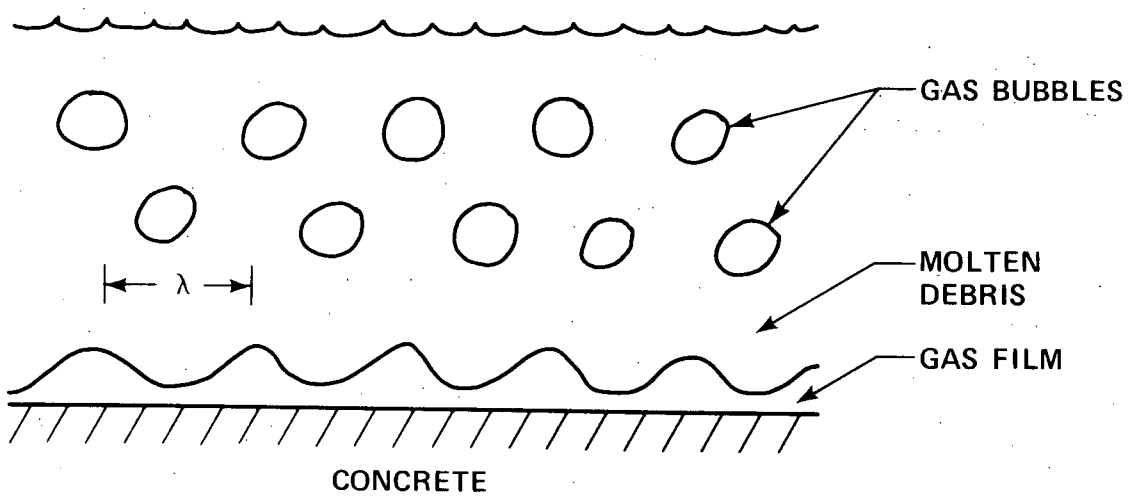


Figure 3.2.13-2. Taylor Instability Gas Release Mechanism

3.3 TECHNICAL SUMMARY

As a result of the discussion and analyses presented in this section, the following major observations can be made.

1. Even if a postulated accident sequence would progress to the point where core degradation has begun, it is still possible to terminate the accident and cool the degraded core. The requirements for successfully achieving core coolability are a supply of water and a heat sink for removal of the decay heat energy. Sufficient water could be supplied by the emergency core cooling systems (ECCS) or could even be supplied by the charging pumps through limited pump seal injection. Heat rejection could occur through steam relief valve action, by reflux/condensation via the steam generator, or by steam release through the break with subsequent condensation using the containment safeguards (i.e., fan coolers and/or containment sprays).

   Within the degraded core, cooling can be achieved by several possible mechanisms involving radiation heat transfer or the counterflow of downward flowing liquid in the presence of upward flowing vapor. The important consideration is that, as long as a coolant supply is available, even an accident sequence involving a partial melted core can be successfully terminated.

2. During the core degradation process, one phenomenon that occurs is the oxidation of the overheated zircaloy cladding by the steam. This process generates hydrogen that could eventually accumulate in the containment building to the point where combustion could occur. The amount of hydrogen generated therefore becomes an important consideration in the evaluation of the accident sequence.

   A review of experimental results show that the amount of hydrogen which can be produced is highly dependent upon the size of the particles involved and upon the availability of the steam supply. Given the hypothetical configurations postulated for the slump of the degraded core into the lower plenum, calculations show that for the size of particles expected, the oxidation process would cool the core debris rapidly and only a minimal amount of hydrogen would be generated. However, to allow for variations in the detailed accident sequence, reactions of 20 and 50 percent were used.

3. Steam oxidation of the steel, particularly the upper internals in the reactor vessel, is another potential source of hydrogen generation.

   Calculations that were performed assuming an unlimited steam supply indicate that 9 to 14 kg-moles of hydrogen would be produced from the upper internals under worst case conditions (i.e., during a large break LOCA when the internals reach 2000°F). However, close examination of the conditions that prevail during this accident sequence show that very little steam can actually flow into upper plenum region since most of the steam being produced was reacting

with the zircaloy in the core. The use of 14 kg-moles of hydrogen in the calculations for the large break LOCA is, therefore, very conservative.

4. Should the core degradation process proceed to the point where a significant amount of core melting has occurred, the assessment of the manner in which the molten material "slumps" becomes an important factor. In the WASH-1400 study, approximately 80 percent of the core was assumed to fall in a coherent fashion onto the bottom head of the reactor vessel. Mechanistically, such behavior would not occur. Because of power gradients that exist in both the axial and radial directions, and heat sinks at the boundaries of the core, the melting process will be noncoherent. A realistic evaluation of the three-dimensional heating within the core suggests that initially only 50 percent of the core would be transported into the lower plenum in a coherent fashion. However, to conservatively bound the problem, cases involving 75 to 80 percent of the core were also considered. This did not have a significant influence on the results of the study.

5. Steam explosions were considered as a possible source of containment failure in the WASH-1400 study.

   In the RSS, a steam explosion within the vessel was assumed to propel a slug of water upward against the vessel head, shearing the bolts and sending a missile (i.e., the reactor vessel head) against the containment wall resulting in loss of containment integrity.

   A careful evaluation of the conditions and geometric constraints that exist in a PWR, show that it is mechanistically impossible to achieve the WASH-1400 scenario. The combination of an elevated system pressure, the inability to instantly mix the molten debris with the water, the unavailability of an overlying water slug, and the presence of structural members within the reactor vessel, preclude the possibility of reactor vessel failure by this mechanism.

6. Another potential pressure source that could occur during the core degradation process is that caused by rapid steam generation. This "steam spike" would occur on a much longer time scale than the acoustic relaxation time and therefore, will not produce a shock wave. The question addressed is whether the pressure increase could be sufficient to result in equipment failure, i.e., the steam generator tubes.

   Calculations show that on a realistic time scale, the energy exchange between the heated core debris and the water coolant does not result in a vaporization rate that exceeds the capacity of the pressure relief valves. Therefore, while "steam spikes" may have a role in the ultimate distribution of core debris, they do not present a mechanism for substantial overpressurization of the primary system.

In fact, the analyses for a "steam spike" and in-vessel cooling strongly suggest that the addition of water to the damaged core would always have a positive effect on the termination of the accident. Consequently, the addition of water should be the operator's highest priority in the course of these accident sequences.

7. In the WASH-1400 study, reactor vessel failure was assumed to occur in a catastrophic manner in that the entire lower hemispherical dome, and the core debris accumulated on it, fell into the cavity below the reactor vessel. A series of stress analyses were performed to investigate the mechanism by which vessel failure would occur. It was found that if it were assumed that the core debris accumulated on the lower head uniformly, the most probable vessel failure mechanism was loss of integrity of one or more in-core instrument tubes which penetrate the bottom head of the RPV.

   A more realistic evaluation of the core degradation process shows that the debris would not cover the head uniformly but, because of the locations of holes in the lower support structure, would collect in the center region of the head. Since this is the area in which the instrument tubes are located, failure of one or more of these tubes is considered much more likely than the catastrophic failure assumed in WASH-1400. The resulting breach in the vessel would provide the pathway through which the core debris would be discharged into the reactor cavity.

8. After vessel failure has occurred, the potential for an ex-vessel steam explosion exists if there is an accumulation of water in the reactor cavity and instrument tunnel. However, because a finite time interval would be required to discharge all of the core debris from the vessel, only a small fraction of the molten material would initially come in contact with any water that has accumulated in the cavity. The limited explosion that might result from this initial contact would affect the disposition of the water and core debris. However, the explosion would not challenge containment integrity.

9. If the initial ex-vessel steam explosion displaces the water, the concrete cavity floor would be exposed to a high velocity stream of molten core debris. Analyses show that even using a conservative set of assumptions, the maximum depth of concrete that could be eroded is only 18 cm. This will not result in the loss of either the containment integrity or the steel liner.

10. For those cases with high residual primary system pressure, after all of the molten core debris has been discharged from the reactor vessel, a high velocity jet of steam and hydrogen would be released through the vessel breach.

    This jet of gases would displace the core debris in a rapid manner, forcing it out of the cavity (through the instrument tunnel) and onto the containment floor. As the core debris is swept out of the reactor cavity, additional thermal interactions could occur with any

water retained on the containment floor. These interactions could be localized, low-grade steam explosions or simply rapid vaporization. While the steam, which is produced during the approximately two minute time period during which the process occurs, contributes to pressurization of the containment, the same process will also quench the core debris. Experimental and analytical studies show that a coolable debris bed can be formed under these conditions. In fact, they show that even if the debris had remained in the reactor cavity, the "deep bed" that would form could also be cooled by a counterflow heat removal mechanism.

11. An evaluation of the concrete attack that would occur as the debris was being quenched shows that such thermal attack would only involve a few inches of the working slab. Consequently, the debris penetration would be far removed from the steel liner.

SECTION 3

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APPENDIX 3.4.1

MIXING CONSIDERATIONS

APPENDIX 3.4.1

Mixing Considerations

When considering the intermixing of hot and cold materials which are initially in a totally separate state, one must consider the energy requirements for the fine scale intimate mixing of these two materials, particulary if this is assumed to occur on a rapid time scale. Such an evaluation was presented by Cho, Fauske, and Grolmes (Ref. A-1) at the 1976 International Meeting on Fast Reactor Safety and Related Physics. In this assessment, the energy requirements to overcome the frictional dissipation were found to be substantial for rapid intermixing.

The assessment of frictional dissipation was based upon two different types of intermixing processes. The first of which assumed that the total intermixing occurred in a "one-step" manner as illustrated in Figure A-1, and the other formulation assumed a progressive mixing pattern as graphically illustrated in Figure A-2. The frictional dissipation for such a mixing process is expressed by

$$\text{frictional dissipation} = NC_D\pi R^2(\tfrac{1}{2}\,\rho_f U_m^2)L_m \qquad \text{(A-1)}$$

where N equals a number of fuel particles, R is the radius of the fuel particle being mixed, U_m equals the mixing velocity, L_m is the mixing distance, ρ_f equals the water density, and C_D equals the drag coefficient, which in these order of magnitude analyses is usually taken to be unity. The mixing energy is generally dominated by the frictional dissipation term, especially if rapid intermixing is postulated as was done in the WASH-1400 analyses. While its term is designated as frictional dissipation, it is principally characterizing the form drag and is not representative of a truly viscous characteristic. If the mixing velocity is assumed to be equal to the mixing length divided by the mixing time (t_m) and the mixing length is approximated by the cube root of the volume to be mixed ($L_m \sim V^{1/3}$), the one-step mixing energy is then given by

$$(E_m)\ \text{one-step} = 3/8\ \frac{\rho_f V^2}{t_m^2 R} \tag{A-2}$$

As discussed by the above authors in their paper, the mixing energy depends upon the mode of breakup in intermixing of the hot and cold materials. The "one-step" mechanism requires the maximum energy and the actual energy requirements could be considerably less if the intermixing process occurs in a progressive fashion involving a number of steps. If this is assumed to occur in a finite number of steps, the expression for the energy required in progressive mixing is given by

$$E_n = V(3/8)\rho_f \frac{L_o^2}{t_m^2} \left(\frac{1 - \gamma^n}{1 - \gamma}\right) \frac{n}{\gamma} \tag{A-3}$$

where n is the number of steps in the mixing process and γ is the reduction factor of fuel particle size in each step. This energy expression exhibits a minimum energy level when

$$n = \frac{1}{1.74}\ \ell n\ (L_o/R) \tag{A-4}$$

and if this minimum number of steps is considered, the progressive mixing formulation is then expressed as

$$(E_m)_{min} = 1.81\ \rho_f V \left(\frac{V^{2/3}}{t_m^2}\right) \left(1 - \frac{R^2}{V^{2/3}}\right) \ell n \left(\frac{V^{1/3}}{R}\right) \tag{A-5}$$

where the mixing length has again been assumed to be equal to the cube root of the mixing volume.

For analyses such as those conducted in WASH-1400, the rapid intermixing of hot and cold materials results in thermal energy transferred from the hot material and this is then realized as rapid vaporization of the water, which expands and performs mechanical work. The mechanical work estimated from large scale steam explosion experiments is a small fraction of the thermal energy transfer from the melt, typically less than 1 percent (Ref. A-2). However, the amount of thermal energy extracted from the melt is a useful reference to compare against the energy required simply for mixing these materials on a very rapid time scale. This energy cannot be transferred faster than the thermal energy can be conducted to the surface of the core material and, the rate of thermal penetration into the core material can be estimated by using linear approximation of the error function solution as given by

$$x = 2\left(\alpha_F t\right)^{1/2} \tag{A-6}$$

where x is the thermal penetration distance, t is the mixing time, and α_F is the thermal diffusivity of the molten core material. For a time scale of 1 millisecond, the thermal penetration given by this linear approximation is approximately 22 microns. Consequently, if one assumes that all the energy is transferred in this time scale, a particle radius of 66 microns would be necessary since the equivalent thermal length for spherical particle is approximately 1/3 of its radius. This is illustrated in Table A-1 for the cases of 100 percent, 10 percent and 1 percent thermal energy release. A similar calculation is also provided for the mixing time of 10 milliseconds, and these two time scales bracket the mixing times of interest for rapid intermixing. (In this context, rapid intermixing infers that the mixing process takes place on the time scale of the explosive event.)

Table A-1 lists the mixing energies required for the various particle sizes determined from the percent energy released. The salient feature depicted in the table is the immense amount of energy required to rapidly mix such particle sizes, particularly when large volumes are considered. (The volume considered in this analysis is approximately

14 m^3, which represents 100,000 kg of core material.) The table also shows the level of thermal energy transfer and this can then be compared with that required for the mixing process itself. Since a vapor explosion is a self-sustaining process, the thermal energy transferred must be far greater than mechanical work delivered by the explosion. Such a comparison shows that the one-step mixing process requires far more energy to mix the two materials than can be transferred from the fuel as thermal energy. The progressive mixing conditions also require more mechanical energy than is transferred as thermal energy from the core material, with the exception of the two smallest particle sizes in the time scale of 10 milliseconds. These two conditions, for particle radii of 210 microns and 2,100 microns show that the mixing energy is about 10 percent to 50 percent of that thermal energy transfer. As mentioned above, the large scale steam explosion experiments reported in the literature have measured a mechanical work output which is 1 percent or less of the thermal energy contained in the melt. Consequently, these simplistic energy considerations for the rapid intimate mixing of the core materials and water from initially separated state show that the mechanical energy requirements for mixing alone necessitates a trigger which is far larger than the explosion itself.

As a result of the above considerations for mechanical energy requirements in rapid intermixing, one arrives at the substantial conclusion that such rapid interdispersion of hot and cold materials cannot be achieved. Consequently, the only means of achieving such a state is by a slowly developing, progressive mixing state.

REFERENCES

A-1. D. H. Cho, H. K. Fauske and M. A. Grolmes, "Some Aspects of Large-Mass, Energetic Fuel-Coolant Interactions," Proc. of the ANS-ENS International Mtg. on Fast Reactor Safety and Related Physics, pp. 1852-1861, Chicago, Illinois, October 1976.

A-2. L. D. Buxton and W. B. Benedick, "Steam Explosion Efficiency Studies," NUREG/CR-0947, SAND 79-1399, November 1979.

TABLE A-1

MIXING REQUIREMENTS

Time Scale (sec)	Penetration Depth (μm)	Percent Energy Release (%)	Particle Radius (μm)	Mixing Energy One-Step J	Mixing Energy Progressive J	Thermal Energy Transferred J	Mixing Energy/Thermal Energ One-Step	Mixing Energy/Thermal Energ Progressive
0.001	22	100	66	7.2×10^{14}	1.0×10^{12}	1.2×10^{11}	6000	8.3
		10	660	7.2×10^{13}	8.1×10^{11}	1.2×10^{10}	6000	67.5
		1	6600	7.2×10^{12}	5.8×10^{11}	1.2×10^{9}	6000	483
0.010	69	100	210	2.3×10^{12}	9.2×10^{9}	1.2×10^{11}	19.2	0.077
		10	2100	2.3×10^{11}	6.9×10^{9}	1.2×10^{10}	19.2	0.58
		1	21000	2.3×10^{10}	4.6×10^{9}	1.2×10^{9}	19.2	3.83

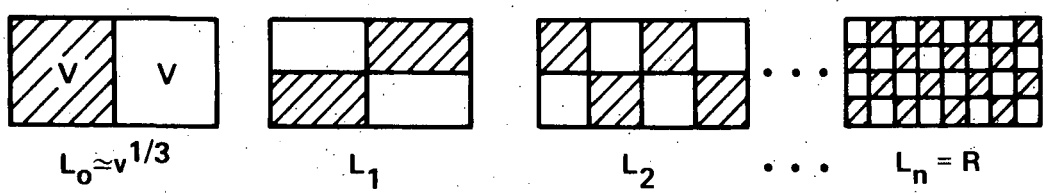

Figure A-1.

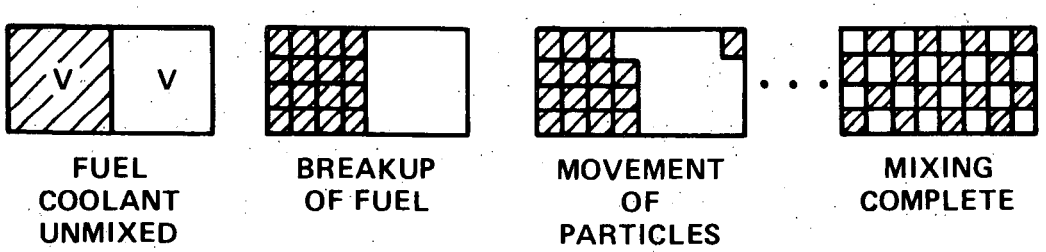

Figure A-2.

APPENDIX 3.4.2

LITERATURE REVIEW OF THE SANDIA MELT/CONCRETE EXPERIMENTS

Table of Contents

		Page
1.	Introduction	1
2.	Burn Series Melt/Concrete Interaction Tests (I)	2
3.	Coil Series Melt/Concrete Interaction Tests (II)	6
4.	Miniature Scale Melt/Concrete Interaction Tests (III)	9
5.	Large Scale and Small Scale Melt/Concrete Interaction Tests (IV)	11
6.	Gas Generation Impact on Melt Behavior (V)	20
7.	Heat Flux/Concrete Tests (VI)	24
8.	Qualitative Data Summary From Experimental Review of Sandia Melt/Concrete Experiments	27
9.	References	30

APPENDIX 3.4.2

1.0 INTRODUCTION

This Section presents the results of a literature review of the melt/concrete experimemts conducted by Sandia over the past several years. Sections 1 through 7 discuss the respective experiments and results. Section 8 presents a qualitative data summary of all the experiments. Ther review was conducted to ascertain the applicability of Sandia work to the transients and phenomenology germaine to these core melt studies.

Conclusions

The Sandia experiments are small scale tests representative, to whatever degree, of the interaction of molten core material and dry concrete basemats. As such, they do not completely address the states considered in this assessment but they do have some applicability to the overall questions considered in the containment event tree (Section 2).

Therefore, the information summarized in this appendix was used to support the core-concrete interaction evaluations, which were a very important part of the overall phenomenological assessment.

2.0 BURN SERIES MELT/CONCRETE INTERACTION TESTS (I)[3],[4]

2.1 Introduction

Small-scale experiments (labeled Burn) were performed in which melt-concrete interactions were investigated.

2.2 Test Description

Limestone and generic Southeastern concrete were employed in the first five Burn series tests. The concrete crucibles measured 15.2 cm in diameter and 30.5 cm long with axisymmetric cavities approximately one-half of the indicated dimensions. Burn-0 and Burn-1 were designed to sustain a thermite-generated Corium melt at temperature. Burn-2 and 3 tests used inductive heating to raise an eleven pound steel slug in contact with the concrete crucible to its melting point. The Burn-4 test sustained a deposited thermite-generated melt by inductively heating the metallic phase. Table 1 presents a summary of the Burn tests.

2.3 Results

The Burn-0 test was unsuccessful due to equipment problems with Joule heating.

The Burn-1 test purpose as Burn 0 was primarily to determine the feasibility of continuous real-time, reliable observation. A pulsed x-ray system coupled with an image intensification system was employed to observe the melt interaction with concrete. The concrete crucible was charged with $\sim$ 2000 grams of stoichiometric aluminum-iron oxide mixture. For a period of about 2 seconds following contact between the liquid steel and the bottom of the crucible, the melt was subjected to a vigorous surge. The melt was then violently levitated from the surface by gases liberated from the concrete. Melt surging and levitation occurred for nearly half a minute. Subsequently gas liberation became more quiescent. Gases were observed to be expelled around the periphery

of the melt. These gases considerably reduced the time the melt was in contact with the cavity sidewall. Localized gas evolution was observed to develop at points on either side of the crucible centerline. A viscous crust began to develop on the upper surface of the melt 56 seconds after the start of the test. Solidification began 63 seconds after the start and was complete within a few more seconds.

Burn-2 test similarly was quite successful. Collected data indicated that erosion of concrete began around 1300^{0}C, a temperature below the liquidus of the concrete but above the solidus. Radial and downward erosion rates measured $\sim$ 1.7 cm/hr and $\sim$ 3 cm/hr respectively.

The Burn-3 test was similar to the Burn-2 test, however generic concrete (Southeastern United States) and more extensive instrumentation were employed. Some resuts were also found to be similar. Concrete materials need not be molten for the onset of erosion or for the liberation of large amounts of gas. Erosion was found to be dependent on concrete melting properties. However, the rates of downward and radial penetration were found to vary with respect to the other Burn series experiments. Specifically, downward erosion was estimated to be 3.7 cm/hr and radial erosion was found to range from 4.1 to 4.6 cm/hr. The 10 to 24% increase in the radial erosion rate relative to the axial rate contrasted the Burn-2 results where the radial erosion rate was found to be only 70% of the axial.

The Burn-4 test where a thermite-generated melt was deposited onto concrete resulted in immediate gas release. Subsequently, the melt was expelled from the cavity of the crucible and destroyed most of the instrumentation. At this point the test was terminated.

2.4 Summary

Erosion was found to be dependent on concrete melting properties. Melting was determined to take place below the concrete liquidus temperature (accompanied by the release of large amounts of gas). Liberated gases from concrete were found to vigorously stir and initially levitate the melt. Maximum erosion was found to occur somewhere near the midpoint of the cavity.

TABLE 1

SUMMARY OF BURN TESTS

Test	Concrete	Objective	Remarks
Burn-0	Limestone	To sustain a Thermite-generted Corium melt at temperature using Joule heating supplied via two tungsten electrodes buried in concrete.	A wild variation in the resistivity of the oxidic phase made control of the dc power supply difficult. After ∿ 30 seconds, an overload occurred and the test was terminated.
Burn-1	Limestone	To employ x-ray imaging technique to observe the melt/concrete interface in real time.	This test was successful. The melt was observed to be vigorously agitated and levitated during the first 30 seconds. A viscous crust was observed to occur within 56 seconds and solidification followed shortly after.
Burn-2	Limestone	To employ inductive heating to warm steel near its melting point while in contact with concrete. The test was so designed to simulate both the interaction of fragmented debris beds with concrete and the interaction of core melts late in an accident when melt solidification occurs and the concrete has been largely dehydrated.	Burn-2 was successful. The erosion of concrete was observed to begin at ∿ 1300°C (a temperature below the liquidus of concrete but above the solidus. Downward erosion measured ∿ 3 cm/hr. Radial erosion measured ∿ 1.7 cm/hr.

TABLE 1

SUMMARY OF BURN TESTS (CONTINUED)

Test	Concrete	Objective	Remarks
Burn-3	Generic South-eastern United States concrete.	To simulate Burn-2 with a more refactory concrete and with more extensive instrumentation.	Results analogous to those of Burn-2.
Burn-4	Generic South-eastern United States concrete.	To deposit a thermite-generated melt onto concrete and sustain that melt by inductively heating the metallic phase.	Prompt gas release at the time the melt impacted. The concrete caused the melt to be expelled from the crucible cavity. Instrumentation was destroyed and the test was terminated.

3.0 COIL SERIES MELT/CONCRETE INTERACTION TESTS (II)[6]

3.1 Introduction

Experiments were performed where large steel melts were teemed onto concrete crucibles. These particular tests were labelled Coil. The first of the series will be addressed in this review.

3.2 Test Description

The Coil-1 experiment utilized inductive heating to maintain 200 kg of stainless steel in the molten state after the melt had been teemed onto a calcareous concrete crucible. The crucible, a cylindircal block measured 73.3 cm high and 83.8 cm in diameter with a coaxial, cylindrical cavity 38.1 cm deep and 38.1 cm in diameter. When the melt temperatures reached approximately 1720^{0}C, the molten material was teemed onto the crucible. The teem lasted for 17 seconds. The sustained inductive heating of the test lasted about about 10 minutes due to equipment failure.

3.3 Results

Contact between the molten stainless steel and concrete initiated a vigorous pyrotechnic display that increased in intensity throughout the teem. Flames, fully developed in seconds after the start of the metal pour, reached a maximum height of over 9 feet after the teem was completed. The flames were accompanied by a dense brown aerosol. Post-test examination showed that of the 200 kg of metal originally teemed onto the crucible only half remained as a coherent solidified slug in the cavity.

The forced convection patterns produced in the melt by escaping gases appeared to overwhelm all other thermal processes. The ejection of melt was a continual process throughout the experiment.

During the latter portions of the test, a distinct slug layer was observed. This layer appeared to be fairly liquid throughout the test. Post-test exmaination revealed the metal slug was wedged tightly into the crucible but not bonded nor wetted to the concrete. The upper surface of the slug was coated with a dense dark brown slag-metal and appeared to be heavily oxidized at the surface. The concrete below the metal slug was observed to be significantly thermally altered with the appearance of a white powder.

Erosion was observed to be predominately downward. The extent of erosion decreased towards the walls of the crucible so that the bottom of the cavity had a dish-shaped appearance. The dominance of downward erosion as compared to radial erosion was the result of gases that passed along the sides of the melt successfully shielded the walls.

The concrete specimen was observed to be nearly dehydrated when temperatures approached 500°C. Furthermore, decarboxylation (essentially the decomposition of calcareous species to carbon dioxide) was observed when temperatures of 600°C were reached.

Gas sampling indicated the formation of hydrocarbons within 3 minutes after the start of the test. The concentrations of methane and ethene were found to reach maximum values of 25 and 10 volume percent, respectively. Since hydrogenation reactions do not proceed significantly to the right at temperatures encountered in the melt, the hydrocarbons must be products of reactions in the gas phase once it has cooled somewhat. Also those reactions were probably aided by the presence of a catalyst in the melt (i.e., nickel).

3.4 Summary

Gas generation by thermal decomposition of the concrete takes place below the melt/concrete interface such that the gas composition does not reflect the composition of the eroding concrete. Gases were observed to be reduced as they passed through the melt and reacted to yield hydrocarbons. The generated gases from the concrete crucible were found to have a significant impact on the directional nature of erosion. Concrete spallation was found not to be a significant aspect of erosion. Finally, upward heat transfer was observed as a significant heat loss from the melt.

4.0 MINIATURE SCALE MELT/CONCRETE INTERACTION TESTS (III)[11]

4.1 Introduction

A series of "miniature scale" tests were performed which consisted of forming melts via metallothermic reactions.

4.2 Test Description

Metallothermic reactions were employed to generate 1.2 kg melts. The melts were subsequently teemed onto concrete crucibles. The types of concretes tested were basalt and limestone. Both test articles weighed approximately 7 kg and measured 17 cm in height and 15 cm in diameter.

4.3 Results

Both tests involving limestone and basalt concrete resulted in a substantial flow of material out of the crucible due to the voluminous generation of gas.

The concrete crucibles developed numerous crack patterns and some evidence of spallation was noted.

Decomposition scaling analysis of the test articles indicated the following: the gas production rate from limestone should be about 50% greater than that of basalt concrete. The melt penetration rate into basalt concrete should be approximately 75% more rapid than that of limestone.

Stratification of the crucible contents was found to be well-developed in both tests. The following layers, listed in order from the bottom of the crucible cavity to the top, were identified:

a. an interfacial oxide layer between the base concrete and the metal layer;

b. a metallic layer; and

c. the slag material which was retained in the crucible cavity.

The interfacial region was found only adjacent to the metallic portions of the crucible contents. The interface was complex and could be divided into 3 layers. Adjacent to the metal was a sheet 1-3 mm thick of oxide material which previously had been molten. This material was crystalline, homogeneous and gray-brown in color. Below this layer was a powdery layer of thermally altered, but never melted material. Below this altered layer dehydrated concrete existed.

Migration of water from the heated regions to the external surface of the concrete was observed. The migration was unimpeded when it occurred along the cracks in the crucible body. However, extrapolating such results from small scale experiments to developing conclusions about the real behavior of large concrete surfaces may be erroneous. The bulk resistance of large concrete structures would oppose water migration. This would be due to the opposing concentration gradient and to the general mechanical resistance of unaltered concrete.

4.4 Summary

Voluminous gas generation was observed in both experiments. The limestone gas-release was found to be more extensive. The post-test examination showed the metal phase played an important role in the attack of the concrete. This is due to the fact that the high thermal conductivity of the molten metal is responsible for the significant thermal processes between the melt and concrete.

5.0 LS & SS SERIES MELT/CONCRETE INTERACTION TESTS (IV)[2],[7],[8],[12]

5.1 Introduction

Large-scale and small-scale experiments were performed designated LSL, LSB, SSL and SSB (the third letter designated concrete type; limestone or basalt) where steel melts were teemed onto concrete crucibles.

5.2 Test Description

Crucibles employed in the LS series tests were 42x42x26 inch concrete blocks with hemispherical cavities 12 inches in radius capped with 2 inch high cylinders. Reinforcing bar was included, but removed from the cavity to minimize its influence on melt/concrete interactions. When the melt reached 1700°C, the molten mass was teemed onto the awaiting crucible. Table 2 lists the pertinent parameters for the LS series tests.

The small-scale tests (SS series) employed high temperature (2600-3000°C) melts, 10 to 12 kg in size. These melts, generated from metallothermic reactions, were likewise teemed onto basaltic and calcareous concrete crucibles. The crucibles' cylindrical cavities measured 12.4 cm in diameter and 44.7 cm long. Like the large-scale tests, the small-scale experiments were transient in nature since no further heating was provided to the melt once the melt-forming reactions were completed. Table 3 lists several parameters of the tests.

5.3 Large-Scale Test Results

The initial contact between the melt and concrete (LSL-1) resulted in a brilliant pyrotechnic display. Molten droplets were sprayed from the crucible. The molten pool was vigorously agitated and splashed about by gases released from concrete. The following observed stages were noted.

a. The molten pool initially had the appearance of a vigorously boiling liquid.

b. The pool subsequently had the appearance of a smoothly boiling liquid coupled with the formation of a coherent slag.

c. The slag then appeared to cool well below the pool temperature with gases causing the edges of the pool to froth. Some gas bubbles were found to occasionally pass through the body of the pool.

d. The slag layer crust continually hardened, however, the interior of the oxide and slag melts remained molten. Gases escaping through the body of the pool caused the slag layer to raise.

e. Finally, solidification of the melt was complete.

Basically all the above mentioned stages were observed in all the tests conducted in the program. The duration and intensity of activity of a given stage varied from test to test.

Throughout those phases of the melt/interaction in which melt was present, gases passed freely through the body of the melt. The passage of gases through the body of the melt caused vigorous agitation. This gas-induced agitation completely obscured the effects of natural convection or forced convection in the melt. Therefore, as a first approximation, the metallic melt could be considered as an isothermal mass with sharp thermal gradients at the perimeters.

The oxide melts were more viscous and less thermally conductive than the metallic melts. Exposed surfaces of the oxide cooled rapidly and formed a relatively hard crust, while the interior remained fluid. The oxide melt consequently presented some barrier to the escape of gas. However, preferred gas-escape pathways often developed. The oxide melt was not well stirred by the gas.

The vigorous gas evolution did not interfere with the density-driven stratification of the melt. Stratification was found to occur early in the course of the test and remained stable.

A solidified layer between the melt and the concrete either did not exist or was of no structural consequence.

Spallation was observed in the tests of virgin concrete. Spallation events were found to occur during the most vigorous stage of the melt/concrete interaction. As the availability of fresh concrete declined, spallation processes began alignment to decline quickly. Such events were observed not to occur at positions where a previous spallation event occurred. Furthermore, observations indicated that spallation seems to be a phenomenon associated with the surface of formed concrete; however, as other tests have indicated, it will make little contribution to the extent of erosion in a prolonged interaction of melt and concrete. In fact, spallation was observed to occur only over the first 3 to 5 mm of the concrete surface. The fragments were thin plates with a mean thicknes of 4.1 mm.

Below the incipient melt zones, layers of powdery, thermally altered, but not melted concrete, were observed. This material was devoid of structural integrity. The area below the powdery layer was partially dehydrated concrete but was observed to be structurally sound.

The erosion rates observed in both tests were dependent on melt temperature. They varied between approximately 25 cm/hr in the large-scale tests with melts initially at 1700°C and 170 cm/hr in small-scale tests with the melts near 2800°C. No significant variation in

erosion rate with concrete type could be detected. However, it was noted that the melting erosion of virgin basaltic concrete was about 1.8 times more extensive than the melting erosion of virgin calcareous concrete. At the end of the test series, the extent of erosion was nearly equal for both types of concrete. This observation implies that the more voluminous gases released from calcareous concrete impeded the melt attack on concrete. Once the limestone crucible is decarboxylized and dehydrated, then the extent of erosion approaches that of basaltic concrete. Escaping gases also caused the upper surface of the melt to be disturbed, which results in an effective increase in the surface area of the melt. Consequently, increasing gas generation rates also increase the efficiency of heat transfer from the top of the melt to the atmosphere.

First order calculations estimated that the fraction of sensible heat and latent heat available in the molten pool which passed into the concrete increased over the test series for calcareous concrete (25% to 40% for the final crucible test). Partitioning of heat into basaltic concrete was nearly constant at about 30%.

Very early in the tests with virgin concrete, the crucible cracked. In general, the cracks were along the midplane of the walls of the crucibles. The cracks appeared to pass entirely through the body of the test fixture. The fixture did retain its structural integrity. The melt was never observed to penetrate the cracks. Liquid water, however, was observed to flow from the cracks from the hot surface. As expected, the flow was more voluminous with tests involving virgin concrete crucibles.

5.4 Small-Scale Test Results

As in the case of the large-scale tests, the initial contact of melt and concrete resulted in a vigorous pyrotechnic display. Material was rapidly ejected once the test was started; this continued for about 20 seconds. Fifty seconds after ignition in test SSL-1, no further signs of active attack by the melt on the concrete could be detected. No significant differences were observed in the qualitative nature of the melt/concrete interaction when basaltic concrete was used in place of calcareous concrete of test SSL-1.

No data in the small-scale tests have indicated that spallation occurs to depths greater than 5 mm. Erosion of both types of concrete was found to be similar. This suggests the erosion rate to be independent of the aggregate type and that melting actually begins in the cementituous portion of the concrete which is similar in both concrete types. This leads to the conclusion that liquefaction of the cementituous phase controls the rate of penetration.

As observed in the large-scale tests, erosion of concrete is preceded by the thermal degradation of the concrete. Below the melt, a layer 0.2 to 0.3 cm thick of material determined to be iron rich was situated. This layer was thought to be molten at one time. Below the incipient melt zone, a layer of thermally altered but not melted concrete was found. This heat-affected zone, powdery in nature, lacked structural capacity. This area was completely dehydrated and partially decarboxylized.

In all of the small-scale tests, the concrete crucibles were cracked during exposure to high temperature melts. The cracks were strictly interaggregate ruptures.

5.5 Summary

Comparison of the results obtained in the small-scale tests with those from the large-scale test show that the observed phenomena are largely the same. Differences occur in the magnitude and intensities of the phenomena. This is attributed to the differences in melt temperature. Melt temperature is the most important parameter for determining the rate of gas evolution, rate of melt penetration, and the formation of aerosols.

Similarities between the two sets of experiments are numerous. Spallation was found to contribute little to erosion. Concrete penetration is dependent on the ability of the melt to impart its heat on to concrete. Consequently, the metallic melts attack concrete more aggressively than oxide melts. The rate of concrete erosion was found to be independent on the type of aggregate. Gases thermally released from concrete were reduced as they pass through the melt and were found to readily ignite when oxidizing conditions were available. Those gases were found to be released in such volume resulting in a vigorous stir of the melt that natural convection of the pool need not be considered. However, density driven stratification was an observed phenomena in all of the tests and should be considered.

In addition to the above stated conclusions, the following inferences can be made.

a. Steel melts were found to erode concrete at a rate of 1.7 to 2.8 cm/min. This should be considered as a lower limit, since in both the large-scale and small-scale tests, prototype temperatures were not maintained.

b. Radial and vertical penetrations were found to be not equal in magnitude.

c. The rate of melt penetration is controlled by melting in the cementitious portion of the concrete. Overall erosion was primarily caused by the metallic portions of the melt. The superior heat transfer from the metal to the concrete dominated the effects of wetting and dissolution by the oxide portion of the melt. Consequently, erosion by the metal is a heat transfer process which could take the form of spallation or melting.

d. Gases evolved from the concrete impede the heat transfer from the melt to the concrete.

e. Evolved gases, after chemical alteration during their movement through the melt, remain in thermodynamic equilibrium at temperatures as low as 700°C (below 700°C, hydrogenation of CO was observed, resulting in the formation of hydrocarbons).

f. The evolved gases contribute significantly to the upward heat flux from the melt/concrete interaction which constitutes a significant portion of the system's heat loss.

g. Gas equilibrium processes were found to lead to the formation of aerosols as gas sparging can.

h. Concrete cracking was determined to be the result of thermally-induced tensile stresses generated by the melt.

i. Water in the concrete was observed to migrate both toward and away from the hot zone in the concrete.

j. Atomic hydrogen makes a significant contribution to the composition of the gases evolved during the melt interaction.

TABLE 2

SUMMARY OF LARGE-SCALE MELT/CONCRETE TESTS

Test Designation	Concrete Type	Melt	Remarks
LSL-1	Calcareous	Initially 200 kg mild steel 170 kg after test	Virgin concrete
LSB-1	Calcareous	Initially 200 kg mild steel 140 kg after test	Virgin concrete
LSB-2	Basaltic	200 kg mild steel	Virgin concrete
LSL-2	Calcareous	200 kg mild steel	Repour into LSL-1 crucible
LSL-3	Calcareous	200 kg mild steel	Repour into LSL-1 crucible
LSL-4	Calcareous	200 kg mild steel	Repour into LSL-1 crucible
LSB-3	Basaltic	200 kg mild steel	Repour into LSB-2 crucible
LSB-4	Basaltic	200 kg mild steel	Repour into LSB-2 crucible

TABLE 3
SUMMARY OF SMALL-SCALE MELT/CONCRETE INTERACTION TESTS

Test Designation	Crucible Description	Melt Description	Remarks
SSL-1	Calcareous concrete block with a cylindrical cavity 12.4 cm dia. and 44.7 cm long	12.1 kg of iron and aluminum oxide	An unconstrained test in which a brilliant evolution of aerosol and flame occurred. Substantial ejection of melt material occurred.
SSB-2	Basaltic concrete block similar in dimensions to that used in Test SSL-1	12.4 kg of iron and aluminum oxide	Phenomena occurring in this test were qualitatively similar to those observed in Test SSL-1.
SS-1	Steel crucible 1.2 cm wall thickness, 45.7 cm in dia. and 11.4 cm tall	10.8 kg of iron and aluminum oxide	Unconstrained test with an inert crucible to demonstrate that little of the phenomena observed in Tests SSL-1 and SSB-1 were due solely to the melt-generating reaction.
SS-2	Steel curcible similar to that used in Test SS-1	10.8 kg of iron and aluminum oxide	A constrained test whose objective was the same as in Test SS-1. Only a brief emission of aerosol could be ascribed to the melt-generating reaction during this test.
SSL-2	Similar to that used in Test SSL-1	11.5 kg of iron and aluminum oxide and 564 cm of fission product mock materials	First attempt to constrain melt/concrete interaction. Within 14 seconds of the start the test fixture was pierced and the instrumentation was destroyed.
SSB-2	Similar to that used in Test SSL-1	10.8 kg of iron and aluminum oxide	Successful test of melt/concrete interaction with a constraining test fixture. The fixture retained the melt within the crucible.

6.0 EFFECT OF GAS GENERATION ON MELT/CONCRETE INTERACTION (V)[1],[6],[10]

6.1 Introduction

This assessment strictly focuses on concrete gas behavior. A central discussion of this topic is necessary since gas behavior would play a predominant role in a core/concrete interaction. Some of the material in this address has been discussed in other sections of this appendix, however, those major points will be reiterated.

6.2 Sources of Gas Generation

Basically, concrete is a heterogeneous material with no specific composition. The aggregate material is bound together by a cement paste. This aggregate is basically the source of variability of concrete to concrete. The three types of concrete considered are basaltic, limestone (common sand concrete), and generic Southeastern United States concrete.

The basaltic concrete is rich in silica. It contains little calcareous material and, as a reference point, yields only 77 cm^3/gm of volatile material upon heating to 1000°C. The limestone type with common sand aggregate generates 187 cm^3/gm of volatiles when heated to the same temperature. These first two varieties of concrete have been found to melt over the temperature range of 1100-1400°C. The third type of concrete having limestone aggregate was found to yield over 254 cm^3/gm of volatiles. This concrete melts over the temperature range of 1350-1600°C.

The thermal decomposition reactions of all three concrete varieties are similar. Upon initial heating, water is lost over a temperature range of 40 to 250°C. This evaporable water loss comes from free water in the concrete and the loss of molecular water from the cementitious species such as tobermorite and gypsum. A second water loss occurs over the range of 380 to 520°C. This is the result from the decomposition of $Ca(OH)_2$ and other hydroxide containing species. The magnitudes of

these two weight losses have been found to be similar in all three concrete varieties. Table 4 lists the concrete volatiles weight percent and temperature range of release.

Above 600°C another weight loss occurs in concrete due to the decomposition of calcareous species. Carbonates occur in the cementitious phases of concrete due to the action of air on calcium salts. Those are the only carbonates present in basaltic concrete. The other concretes contain dolomite and calcite aggregates which decompose in addition to the cementitious phase to yield carbon dioxide. This particular decomposition occurs at a somewhat higher temperature and over a narrower temperature range than does the decomposition of the cementitious portion.

Empirical correlations describing the kinetics of concrete decomposition have been developed. These equations can be employed to determine what the species decomposition are for the three types of identified concrete. Reference 11 contains the empirical relationships.

6.3 Gas Melt Behavior

The interactions between the concrete decomposition gases and melt have been observed to be both mechanical and chemical.

Qualitatively, the most obvious feature of the gas/melt interaction has been that the gases vigorously agitate the melt. Because of this consequence, a first approximation of the melt as an isothermal pool with sharp temperature gradients at the boundaries can be made. The agitation of the melt was the result of preferred sites of gas evolution in the form of random bubble or gas jet formation.

Gases passing up the cavity walls between the melt and the concrete have been observed to shield the concrete from the melt. This effect is clear when a comparison is made between the erosion of generic Southeastern United States concrete (which has the greatest gas producing potential) and basaltic concrete (which has the least

potential of gas production). Comparisons of the post-test melt/concrete interactions[6] indicated the ratio of maximum radial erosion to the maximum axial erosion of basaltic concrete is 0.7 to 1.1. The same ratio for the calcareous concrete is 0.3.

Another qualitative feature of the melt/concrete experiments is that as the gases percolated through the melt, actual swelling of the molten mass occurred. Comparison of calculations and observations have indicated that the mean swelling can be as much as 250%. Because of the difficulty in determining gas bubble residence times, a direct correlation between gas evolution and melt swelling is unavailable.

Gases emerging from the melt produce aerosols either by sparging volatile constituents of the melt or by the usual bubble breaking process. The data has indicated that a linear correlation exists between the rate of gas generation and the concentration of aerosol in the gas.

6.4 Chemistry In and Above the Melt

When the concrete decomposes during core/melt interaction, the gases released are reduced as the metallic portions of the melt become oxidized. At high temperatures, calculations based on experimental results indicated that H_2, CO, CO_2, and H_2O were the major reaction products. As the temperature falls, the CO_2 and H_2 concentrations were found to increase. Furthermore, as the temperture was observed to drop below 700°C, hydrogen was consumed in the production of methane (CO, H_2 in the presence of a catalyst react to form CH_4). Other hydrocarbon compounds could result from such gas reductions, but methane was observed to be the predominant product.

6.5 Summary

The most significant aspect of this section is the fact that as the system temperature was observed to drop in many of the experiments, methane formation occurred. However, if hydrogen can be adequately controlled, then methane should not be a problem since 3 moles of hydrogen are required to form 1 mole of methane.

TABLE 4

CONCRETE VOLATILES WEIGHT PERCENT AND TEMPERATURE RELEASE RANGE

	Weight Percent	Temperature Range
Evaporable water (cementitious)	2.3 to 3	30-250°C
Chemically constituted water (cementitious)	1.5 to 2	380-500°C
Decarboxylation of both cementitious and aggregate concrete	23 to 37 (calareous) 1 (basaltic)	550-1000°C

7.0 HEAT FLUX/CONCRETE INTERACTION TESTS (VI)[5],[8],[9]

7.1 Introduction

Experiments were conducted to investigate the response of concrete exposed to a high heat flux on one surface in the absence of chemical interactions with molten core materials. Primary emphasis was placed on determining the dominant surface erosion mechanism (violent spallation versus quiescent melting). Other parameters reviewed included thermal shock, surface erosion rates, aggregate material and size effects on erosion rates, surface heat flux, and the conduction of heat into concrete through exposed reinforcing rods.

7.2 Experimental Procedure

The experiments were conducted at the Sandia Plasmajet and the Radiant Heat Facilities. Physical parameters varied during the tests included aggregate material (limestone and basalt), aggregate size (0.9 and 2.5 cm maximum) and the surface heat flux (ranging from 30, 60, 120 and 280 w/cm^2).

The concrete test samples consisted of a flat-faced cylinder, approximately 14.5 cm in diameter by 8 cm deep, encased in a 15.2 cm O.D. steel liner. The influence of reinforcing rods was studied by embedding a single 1.3 cm diameter rebar along the centerline of some of the samples with one end flush with the heating surface.

7.3 Results

7.3.1 Experimental

The dominant erosion mechanism for both calcareous and basaltic concrete appeared to be the melting of the cementitious material accompanied by dehydration and decomposition of the underlying concrete and periodic removal of the larger aggregate. The erosion was a quiescent process with negligible spallation. Violent erosion, characterized by thermal shock was not observed. Overall, the aggregate size did not appear to be an important physical parameter.

Following exposure to high-heat fluxes, the erosion of both types of concrete became a steady process, with essentially a constant erosion rate, within minutes after the initiation of heating. The material removal mechanism differed considerably between the two facilities. In the radiant heat experiments, the melt formed a layer over the exposed vertical surface as it flowed down the surface and off the sample under gravitational forces. In the plasmajet tests however, the melt was driven out from around the aggregate by the action of the jet and flowed radially outward from the center of the surface.

The average overall erosion rates computed from the experimental data ranged from approximately 6 to 70 cm/hr and were found to increase with increasing heat flux. The effect of exposed reinforcing rods on the erosion process was negligible.

Experimental observations of the temperature profiles through the concrete samples indicated that the employment of effective thermal properties would be appropriate in the analytical solution of various problems. These effective properties are a cumulative sum of the steady state and transient latent heats of concrete exposed to high heating rates. This method is employed in lieu of detailed thermal analysis required with the various chemical reactions to determine the temperature response of concrete.

7.3.2 Analytical

Estimates of the "net" heat flux to the melting concrete surface were made for both series of tests. The net heat fluxes, $\dot{g}_e$, were found to be significantly lower than the incident heat fluxes, $\dot{g}_o$. The incident heat flux, $\dot{g}_o$, is that heat which would be transmitted to the concrete surface in the absence of ablation and reflected and emitted radiation. Subsequently, the net heat fluxes, $\dot{g}_e$, were determined to range from 30 to

80% of $\dot{g}_0$. In general, the emitted radiation was determined to be the largest contributor to reducing the incident heat flux, varying from approximately 13 to 53% of $\dot{g}_0$. This was true for all but the highest heat flux plasmajet (convective heating) tests of limestone aggregate concrete which resulted in the highest gas generation rates and consequently the most effective heat removal process. The energy absorbed by the gas and melt flows contributed the least in reducing the incident heat flux. As a result, the surface temperature was determined to be the most single important parameter affecting the net surface heat flux.

Finally, the net heat transmitted to the melting surface is partitioned among several energy sinks including the sensible or stored energy and the energies of vaporization, decomposition, and fusion as the concrete heats up, decomposes, and melts. The greatest fraction, approximately 45 to 70% of the net flux, goes into sensible energy. The smaller fraction, roughly 4 to 6%, is absorbed during evaporation of free water.

7.4 Conclusions

High incident heat fluxes do not result in violent erosion (spallation) characterized by the removal of large chunks of concrete and controlled by thermal shock.

Although analyses of the experimental results indicated that the incident heat flux was reduced by radiative and convective heat transfer processes, the application of this observation to actual melt/concrete interactions may not be appopriate. This is because a continuous gas film would have to be present at the melt interface, thereby simulating the actual experimental setup. Results from melt/interaction experiments indicated that a continuous gas film is not always present. However, it should be noted that when the metallic portion of the melt interacts with the concrete, thereby promoting heat transfer, the concrete decomposition gases increase in volume. Consequently, this would increase the contribution of convective processes to reducing the incident heat flux.

Experimental observation indicated the support of the use of effective concrete thermophysical property data in the prediction of temperature profiles. Experimental work from Argonne also supports this position.

8.0 QUALITATIVE DATA SUMMARY FROM EXPERIMENTAL REVIEW OF SANDIA MELT/CONCRETE EXPERIMENTS

MELT BEHAVIOR	EXPERIMENTAL OBSERVATIONS
Stratification	Two distinct melt layers were observed, a metallic and oxide layer. In some tests, a less obvious interface oxide layer was found to exist between the degraded concrete and the metallic melt. The layer was found to be on the order of 2-5 mm thick. (II, III, IV)
Agitation	Gas induced forced convection. Preferred sites of gas evolution were found to exist. Gases passing alongside the melt tended to shield the test specimen's sidewalls. (I, II, III, IV)
Surface Crust Formation	Found on the surface of the oxide melt. (I, II, III, IV)
Precipitation	Only in metal not observed in the oxide melt. (II, III, IV)
CONCRETE THERMAL BEHAVIOR	
Melting	Melting temperature for limestone with common sand aggregate and basaltic concrete ranged from 1100-1400°C. (I, IV, V, VI)
	The melting temperature for generic South-eastern concrete was found to range from 1350-1600°C. (V, VI)

	EXPERIMENTAL OBSERVATION
Decomposition	Based on kinetics and found to be dependent on both temperature and heating rate; concrete dehydration was observed to occur over the 25-500°C temperature range; decarboxylation was observed to occur over a 550-1000°C range. (I, II, V, VI)
GAS PRODUCTION	
CO_2 and H_2O	Neither composition nor quantity were found to be proportional to the amount of concrete eroded. Determined to be dependent on heat transfer in concrete. (I, II, III, IV, V, VI)
CO and H_2	Gases were found to be extensively reduced as they passed through the melt. The reactions are described by the following general equations: $xM + yH_2O = xMyO + yH_2$ $xM + yCO_2 = xMyO + yCO$ The net effect being 1 mole of H_2O produces 1 mole of H_2 and similarly 1 mole of CO_2 produces 1 mole of CO. (II, IV, V)
Hydrocarbons	Hydrogenation of CO below 700°C was found to produce methane, ethane, etc. The general hydrogenation reaction is described by the following: $xCO + yH_2 = xC(y-x)H_2$ Methane was found to be the dominant reaction product. Note that 3 moles of hydrogen are required to form 1 mole of methane. Consequently if hydrogen can be suitably controlled then methane should not be a problem. (II, IV, V)

	EXPERIMENTAL OBSERVATION
Gas Ignition	Gas ignition was found to occur, diffusional limits applied. For melts at temperatures encountered in the small-scale and large-scale tests, less than 1 volume percent of hydrogen was necessary for self-sustaining ignition according to the flammability limits developed by Naughton[13]. (IV)
Aerosol Generation	Observed with particle sizes < 10μ.(IV)
GENERAL THERMAL PENETRATION	
Spallation	Not significant; only to 3-5 mm of the top surface layer. (II, IV, VI)
Erosion Rate	Depends on heat flux or melt temperature; 25 to 170 cm/hr was the overall observed range. The extent of erosion was determined to be dependent on aggregate type for the short-term. (I, IV, VI)
Directional Dependence	Horizontal/downward. (I*, II, IV)
Heat Disposition	Depends on gas generation rate, 21 to 40% into concrete. (IV, VI)
Reinforcing Steel	No significant effect. (IV, VI)
CONCRETE CRACKING	Thermally induced tensile stresses were found to cause extensive cracking. Melt penetration of the cracks was not observed. (III, IV)

*With the exception of the Burn-3 test.

9.0 REFERENCES

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APPENDIX 3.4.3

A LITERATURE REVIEW: THE CHARACTERISTICS OF ZIRCALOY OXIDATION

1.0 INTRODUCTION

The purpose of this literature search was to identify possible characteristics of the Zircaloy oxidation process which would permit the definition of the probable amount of Zr/H_2O reaction which could occur and define uncertainty ranges. During normal reactor operation, the Zircaloy used as fuel rod cladding in light water reactors (LWRs) is benign insofar as reactions with the coolant are concerned. However, under certain postulated conditions in which cladding temperatures increase significantly above the normal operating values, the cladding can react with the coolant in the following manner:[19]*

(steam oxidation) $$Zr + 2H_2O \rightarrow ZrO_2 + 2H_2 \quad (1)$$

(oxygen absorption) $$Zr + H_2O \rightarrow H_2 + [Zr,O]_{\text{solid solution}} \quad (2)$$

These reactions couple[19] to yield

$$Zr + ZrO_2 \rightarrow [Zr,O]_{\text{solid solution}} \quad (3)$$

Simplistically, when the temperature of the Zircaloy cladding is elevated above 1000°K (1340°F), reaction between the Zircaloy and the water (steam) occurs and an oxide layer is formed. The oxygen in the oxide layers then diffuses into the base metal forming an oxygen stabilized alpha phase. Figure 1 is a schematic representation of the process involved for a portion of cladding exposed to steam flow on both the outer and inner surfaces. The relative thicknesses between the ZrO_2 and alpha Zr layers varies with the exposure temperature.[6]

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*Refers to specific reference listed in the bibliography (Section 5.0); not all of the listed documents are used as references.

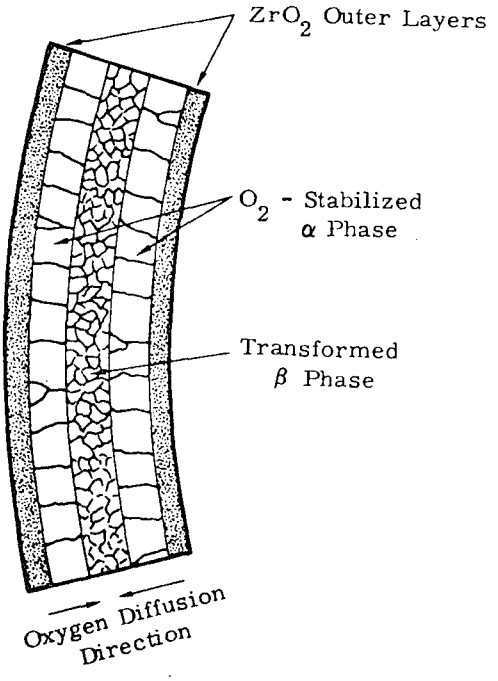

Fig. 1 Idealized cross section through the wall of a Zircaloy tube, which has been steam-oxidized from both sides, showing the phases that will form.[19]

The oxygen stabilized alpha Zircaloy can contain a significant amount of oxygen as is shown by the phase diagram (Figure 2). In fact, the beta phase shown in the center of the cladding in Figure 1 can also contain up to about 10 percent oxygen. Pawel[5], for example, notes that the amount of oxygen in the beta phase can play an important role in determining the mechanical properties of oxidized Zircaloy.

Oxidation reduces the ductility of the Zircaloy and could lead to cladding failure if more than 17 mole percent of the equivalent cladding thickness has been ozidized.[8] The equation used to determine the equivalent cladding reacted (ECR) is:[20]

$$\% \text{ ECR} = \left[\frac{100}{t_w}\left(\frac{\text{Oxide thk.}}{1.54} + \frac{\text{Alpha thk.}}{1.54\alpha}\right)\right]$$

where t_w is the cladding wall thickness

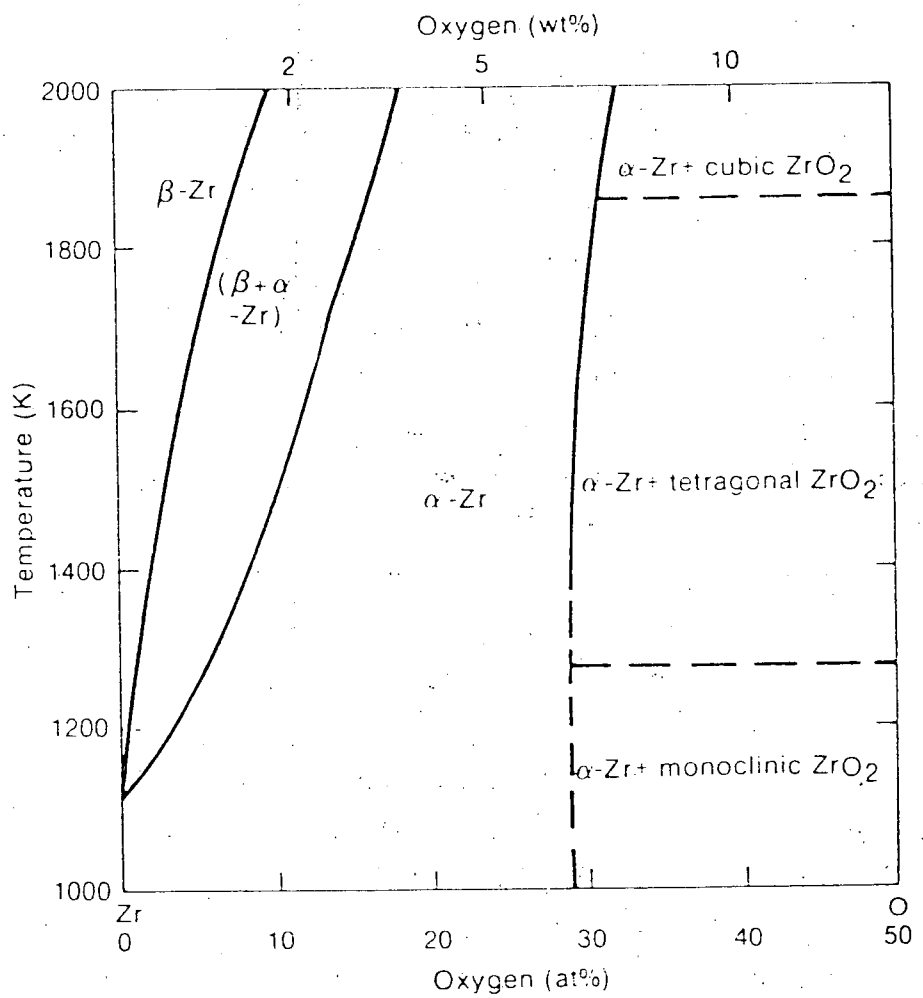

Fig. 2 Zirconium-oxygen equilibrium phase diagram.

1.54 is the oxide-to-metal volume ratio for ZrO_2/Zr

and α is the ratio of the weight fraction of oxygen in the stabilized alpha phase

It should be noted that this equation assumes that the oxygen content in the beta phase is negligible[8] even though some oxygen may be present in the beta phase.

While most of the work regarding the oxidation of Zircaloy cladding under postulated accident conditions has been concerned with the resulting embrittlement of the material[5,6,8,19], another consideration for some reactor safety studies is the formation of hydrogen[17] which occurs as a result of the oxidation process (eqs. 1 and 2). If the amount of cladding oxidized by reaction with steam is large, a significant amount of hydrogen could be liberated. This free hydrogen could become a potential source for a subsequent fire which, in turn, would exacerbate the consequences of the accident.

Although not all of the documents contained in the bibliography have been specifically referenced in the text, each of the documents listed has been reviewed relative to the type of information discussed in the following sections. Many of the documents contained virtually identical results and reached conclusions which were similar to many other documents. For simplicity, therefore, only a few representative references are given for each of the specific items discussed.

2.0 ZIRCALOY-WATER REACTION PROCESS

The oxidation process resulting from Zr/H_2O reaction is parabolic* in nature. The growth rate of the combined layer thickness of ZrO_2 and oxygen-stabilized alpha under isothermal conditions can be expressed as:[8]

$$X = 0.826\ t^{\frac{1}{2}}\ \exp[-10493/T] \tag{5}$$

where X is the combined thickness [cm]
t is the exposure time [sec]
T is the Zircaloy temperature [°K]

Differentiating this equation yields the following expression:

$$\frac{dx}{dt} = 0.413\ \exp[-10493/T]/\sqrt{t} \tag{6}$$

These two equations show that, at a given temperature, the rate of oxidation will decrease as the oxide thickness increases. The oxide layer in effect acts as a barrier to additional oxidation. Likewise, the more oxygen contained in the Zircaloy, the slower the absorption rate. Unless spalling of the oxide occurs, it becomes difficult to completely oxidize Zircaloy even under ideal conditions.

Many experiments have been performed to specifically study the oxidation of Zircaloy and zirconium[1,2,22,32]** while other experiments have been directed at studying the behavior of actual fuel rods under conditions which would result in cladding oxidation[7,8,10,12]**. In general, complete oxidation of the Zircaloy was never achieved except when the particle size was extremely fine. Baker[18] discusses many of the basic experiments in which molten zirconium of various forms (e.g., foils, globules, molten streams) were injected into water of different temperatures. The results of the experiments indicated that it was extremely difficult to achieve a very high percentage of reaction even under these controlled laboratory conditions.

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*There is some indication[32] that the process may not be parabolic between 900-950°C.
**These are only representative samples of such experiments.

Baker[18] reports specifically on one set of experiments[22,23] in which the zirconium-water reaction was extensively studied using the condenser discharge method. In these studies, specimen wires 30 and 60 mils in diameter were heated almost instantaneously to temperatures between 1100°C and 4000°C (2012°F to 7232°F). Spherical particles were produced whose size decreased as the metal temperature increased. Figures 3 and 4 show the results obtained from these experiments.* It can be seen from these figures that the extent of oxidation is quite limited except for the very fine particle sizes. (Reactions were on the order of 20-25 percent for particle sizes which are comparable to LWR cladding thicknesses.) Baker notes that "an important finding of the study was the surprising result that the reaction was largely independent of the initial metal temperature as long as the particles were fully melted." These experimental results were also found to be consistent with results obtained previously by Aerojet[24] and Battelle[25].

One interesting aspect of the results shown on Figure 4 is that is appears that a uniform thickness of ZrO_2 (i.e., a "crust") is formed regardless of particle size. This can be demonstrated by writing the geometric equations relating the volume of the spherical particle and the volume of the "crust" to the percentage of cladding reacted (% ECR).

$$(4/3)\pi \cdot (r_o^3 - r_i^3) = (\%ECR/100)(4/3)\pi \cdot r_o^3$$

which reduces to

$$r_i = r_o\,[1 - (\%ECR/100)]^{1/3}$$

where the crust thickness (t) is given by

$$t = r_o - r_i$$

*As defined by Baker, an "explosive pressure rise" is one in which a substantial reaction occurs in a few milliseconds.

From the results shown on Figure 4, the ECR for a 200 micron (μ) diameter particle is about 65 percent. Substituting in the above equation

$$r_i = 200\ [1 - .65]^{1/3} = 141\mu$$

or $\quad t = 59\mu$ (.0023 inch)

Assuming a constant thickness crust of 59μ and rearranging the equation derived above, we have

$$\%ECR = 100\ [1 - (r_i/r_o)^3]$$

from which the following table can be constructed:

CALCULATED % ECR
ASSUMING CONSTANT THICKNESS ZrO_2 LAYER

Mean Particle Diameter (μ)	Calculated % ECR
400	38.0
600	26.7
800	20.5
1000	16.7
2000	8.6

Comparison of the results shown on Figure 4, using this constant "crust" thickness model, shows reasonable agreement with the "theoretical curve" and definitely falls within the scatter band of the experimental points.

Baker[18] concludes that the failure to achieve 100 percent reaction by any of the experimental methods (except in the case of very fine particles), suggests that the protectiveness of the oxide layer (as reflected by the parabolic law) is retained even at temperatures beyond the melting point of the oxide (2700°C or 4892°F). It is therefore concluded that even under accident conditions in which melting of the cladding occurs, the extent of oxidation resulting from Zr/H_2O reactions will be limited.

The inability to completely oxidize the cladding of a fuel rod under accident conditions is also demonstrated by the PCM and IE tests[8] run in the Power Burst Facility. In 34 fuel rods test run with effective transient cladding temperatures in the range of 1800-3000°F, the equivalent cladding reacted ranged from 2 to 27 percent[8]. Even in one of the tests (PCM-1)[10] where the cladding temperature was estimated to have reached over 3600°F (above the melting point of Zr) at some points on the fuel rod, and in which cladding failure occurred at some time during the test*, complete oxidation of the cladding did not occur except in some regions. For example, at an elevation where the temperature exceeded 2600°F, the ZrO_2 thickness on the outside of the cladding reached a maximum thickness of 5 mils (out of 24 mils of original cladding). There was little or no evidence of a ZrO_2 layer on the inside surface in spite of the breached cladding. Most of the cladding at this elevation was composed of oxygen stabilized alpha-Zr, although some prior beta-Zr was still present indicating that less than 24 percent equivalent cladding reaction had occurred[10].

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*It is estimated that initial cladding failure occurred at ∿520 seconds of the 15-minute (900 second) test.

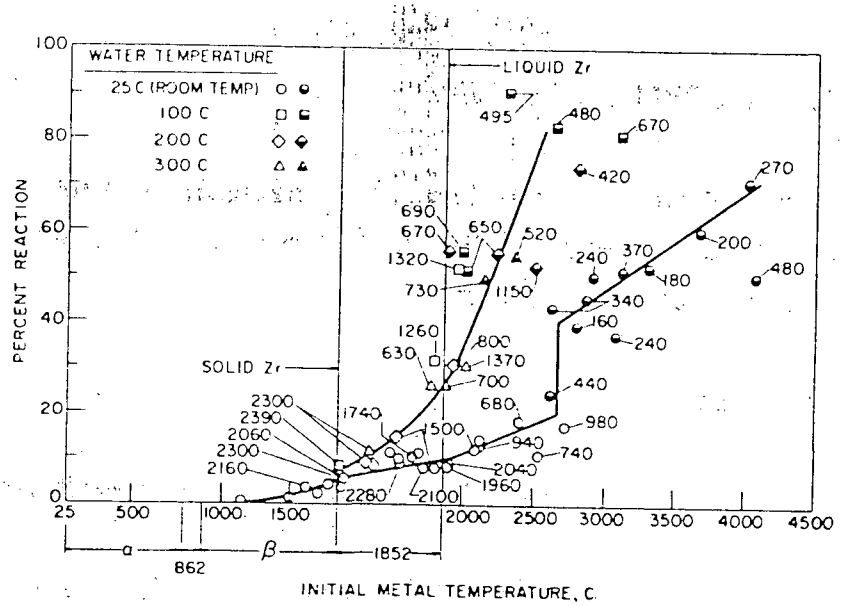


Fig. 3 Zirconium-water reactions by the condenser-discharge method. 60-mil (1.52-mm) wires used. The numbers indicate the mean particle diameter of residue in microns. Half-darkened symbols are for runs with an explosive pressure rise (from Ref.18).

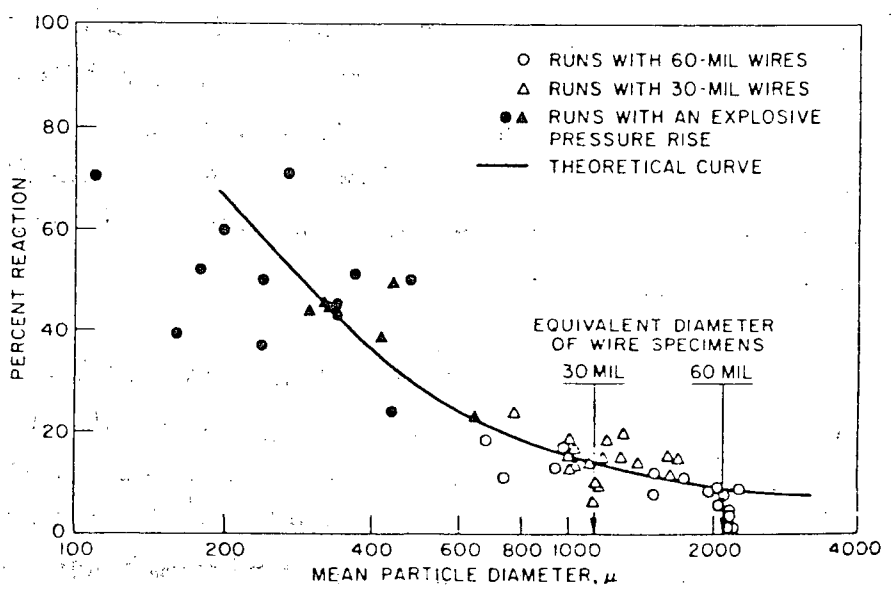


Fig. 4 Zirconium-water reaction as function of particle diameter for water at room temperature (from Ref.18).

3.0 ZIRCALOY-UO_2 CHEMICAL REACTIONS

It has been known for some time that chemical reactions do occur in Zircaloy clad UO_2 fuel elements. Mallet[21] shows that there are two possible modes of interaction which could occur:

$$UO_2 + Zr \longrightarrow ZrO_2 + U \tag{7}$$

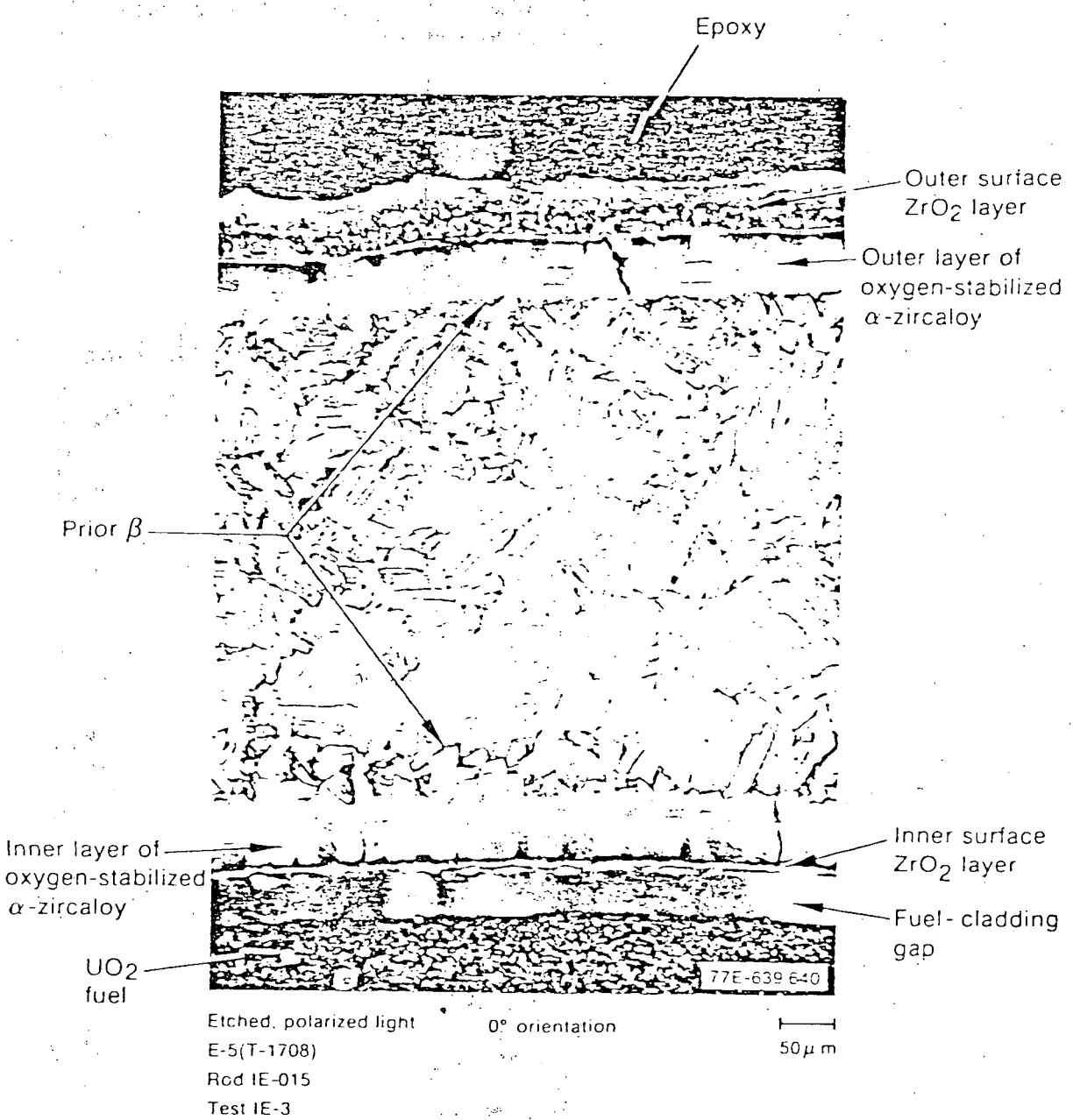
$$UO_2 + Zr \longrightarrow U(\text{with Zr in Solution}) + 2O(\text{in solution with Zr}) \tag{8}$$

Of the two, the former (Eq. 7) is an unfavorable reaction due to free energy values of the reactants and the products. The latter mode (Eq. 8) is, however, thermodynamically possible and has been shown to occur experimentally[8] and has been assessed by analytical models.[3]

The results of these studies[8] as well as those obtained on in-pile tests[10,11,12,13] have demonstrated that nearly as much oxygen is entering the cladding from the inside surface due to the Zr-UO_2 reaction as is coming from the outside surface from Zr-H_2O reaction.[3,7,8] Figure 5 is a photomicrograph[8] through a section of cladding in which oxide reaction has taken place on both the outside and inside surfaces. The similarity in the thickness of the alpha-Zircaloy oxygen-rich phase from both the outside and inside surfaces can clearly be seen.

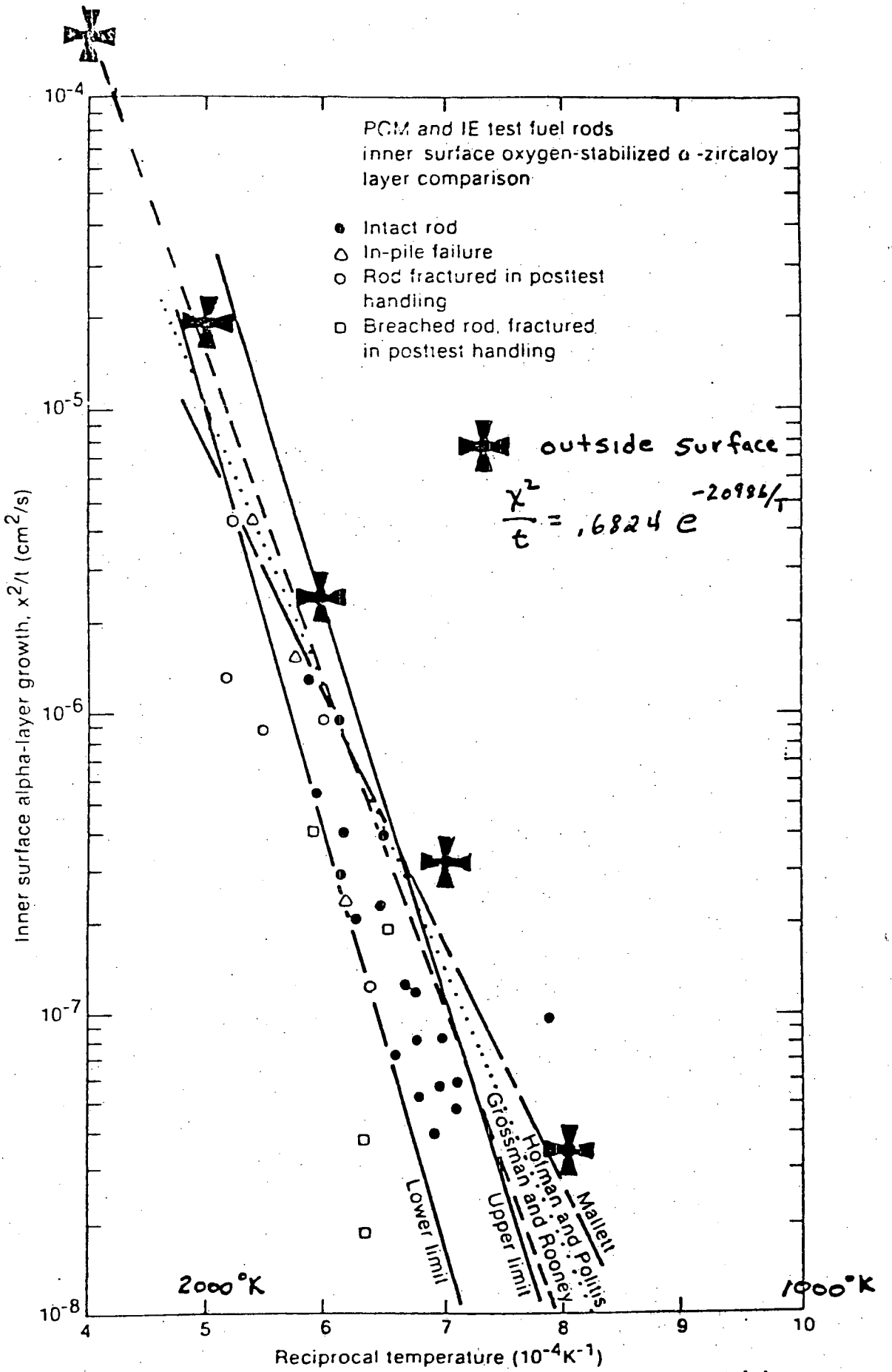
Another way of demonstrating that the oxygen-stabilized alpha-Zircaloy layer growth is the same on both the inside and outside of the cladding is shown on Figure 6. Here several data points (i.e., the crosses) calculated from the previously discussed parabolic reaction rate* for the outside surface (Zr/H_2O) have been superimposed on results obtained from inner cladding oxidation (Zr/UO_2) experiments.[8] Again, the rates of reaction are nearly the same for both surfaces. This oxidation process occurs on the inside of the cladding when the fuel and cladding are in contact and the temperature is

*The crosses which are plotted are, in fact, the square of the values obtained from Equation 5.



Photomicrograph through section of Zircaloy cladding showing similarity of oxide migration from both the outside and inside surfaces

Fig. 5



Oxidation kinetics and inner cladding surface oxygen-stabilzed alpha layer comparison. (8)

Fig. 6

greater than about 700-1000°C (1300-1850°F)[19,21]. The rate of oxidation increases with temperature and time, and as in the case with the outside oxidations, has a parabolic reaction rate.

The impact of this internal (Zr/UO_2) oxidation process is to decrease the amount of hydrogen which can potentially be formed from steam/Zircaloy reaction. This advantage occurs in two ways. First, assuming that the cladding does not rupture and remains free-standing in a steam environment, the presence of the inner layer of alpha-Zr will alter the kinetics of the steam/Zr oxidation process once the external oxidation process reaches the inner alpha-Zr layer. This is because the oxygen in solution will not only slow down the rate of reaction but, since some "oxidation" has already occurred from the inside, it will decrease the theoretical amount of oxidation which can occur from the steam/Zr reaction. Thus the amount of hydrogen potentially evolved from the steam/Zr reaction will be less than what could have occurred if the inner oxidation process (which produces no hydrogen) had not occurred.

The second consideration resulting from the internal (Zr/UO_2) oxidation process occurs subsequent to a postulated breach of the cladding. Normally, once cladding failure occurs, most analytical models (e.g., RELAP4[31]) assume that the oxidation process begins on the inside cladding surface as if this surface were essentially a pure metal surface*. If, however, the inside surface had already absorbed a significant amount of oxygen from the high-temperature Zr/UO_2 reaction, the kinetics would undoubtedly be different than if the metal did not contain oxygen.

Of course, one unfavorable result of the internal oxidation process is that a U/Zr metal compound is formed as a result of the reaction (Equation 8). If the oxidation process were taken to equilibrium, no advantage would be gained. The reduction in hydrogen due to a smaller amount of steam/Zr reaction would be offset by a steam/U reaction. However, if equilibrium is not reached, the internal oxidation process should reduce the amount of hydrogen evolved from disassociation of the water during the steam/Zr oxidation process.

*Many of these models do not even consider the fact that in order for the steam to react with the inside surface of the cladding, it must follow a very tortuous path from the point of the cladding breach.

There are several reasons why complete oxidation of either the cladding or any free U/Zr formed would not be expected even in the event of a cladding breach:

1. The steam must follow a tortuous path from the breach to reach the inside surface of the cladding or the free-uranium, particularly for areas far removed from the breach.

2. Oxidation kinetics are parabolic in nature and the reaction will slow down as oxidation progresses. As noted in Section 2.0, it is difficult to achieve 100 percent oxidation even under ideal conditions.

From results described in many of the documents listed in the bibliography (Section 5.0), there is little doubt that the Zr-UO_2 reaction does occur at elevated temperatures. The only question to be answered then appears to be what other conditions are necessary for this reaction?

Since intimate contact between the fuel and cladding is required[7], it has been stated[9] that the boundary condition necessary for the Zr-UO_2 reaction is that external system pressure must be greater than the internal pressure in the fuel rod. The reasoning behind this assumption is that when the system pressure is greater than the internal pressure of the fuel rod, the cladding will collapse onto the fuel (i.e., when the cladding temperature increases) producing intimate contact. Conversely, if the internal fuel rod pressure exceeds the system pressure, the cladding will tend to "balloon" away from the fuel when the cladding temperature exceed about 920°K (1200°F)[9]. It is assumed that this (i.e., the "ballooning") would separate the fuel from the cladding and prevent the Zr-UO_2 oxidation reaction.

While the assumption that "ballooning" will prevent the Zr-UO_2 oxidation process from occurring appears reasonable, there is evidence[14,15] that for irradiated fuel rods, the fuel and cladding may, in fact, already be chemically bonded. If this would be the case, the fuel would remain in contact with the cladding even if the cladding did "balloon" during a high-temperature transient. Figure 7 shows the approximate irradiation conditions identified by Bazin[15] under which adhesion will occur. Chubb[14] has found that adhesion will occur at 5 Kw/ft with as little as 10 MWD/Kg burnup. This is confirmed by Bazin[15], who notes that up to around 10000 MWD/MT the reaction layer is only visible microscopically and adherence is very infrequent and localized. However, with higher burnups (i.e., >10 MWD/Kg), fission products are in sufficient concentration to enter into the reaction* and the resulting adherences are much greater.

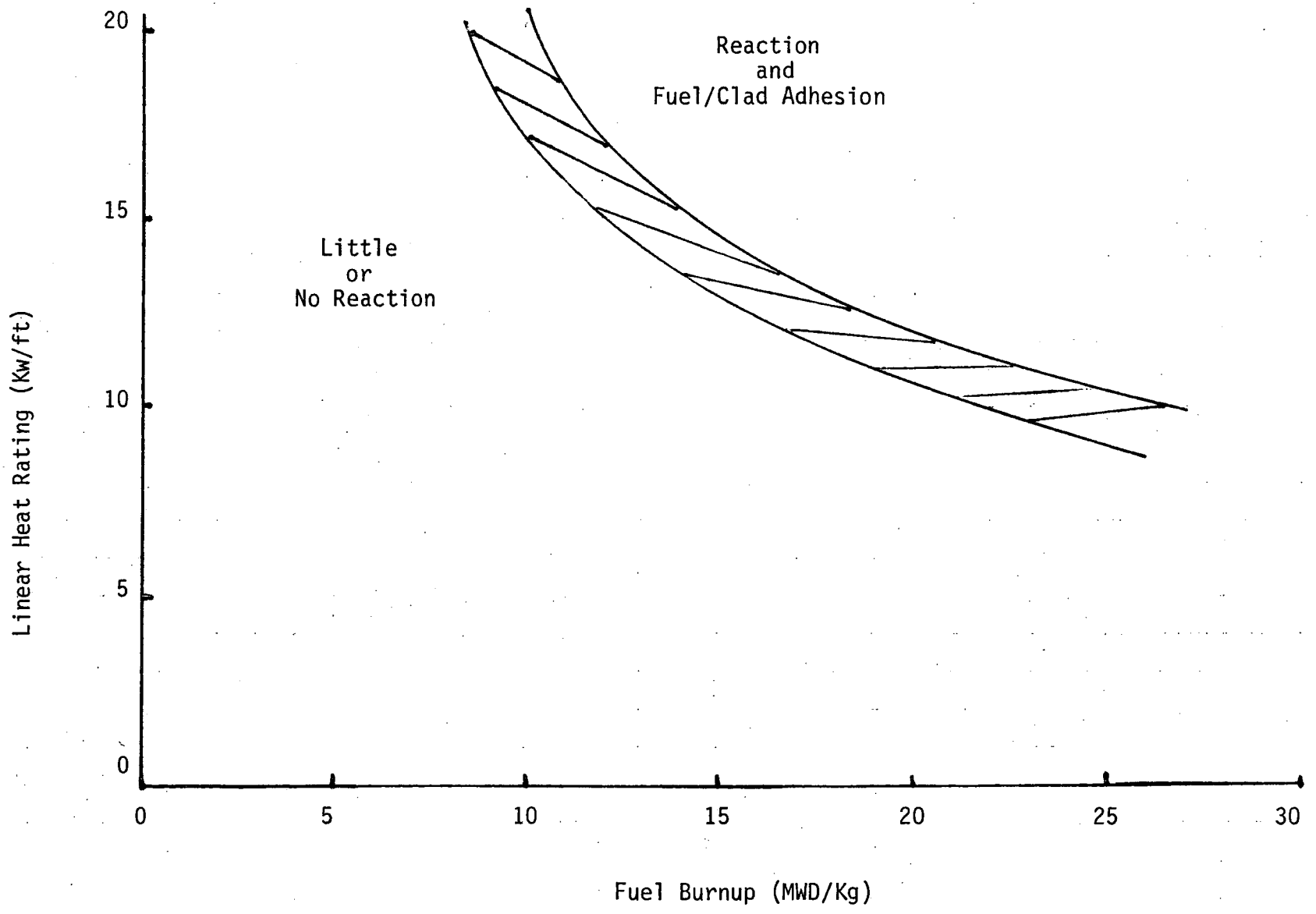
Additional supporting evidence, which seems to indicate that the fuel and cladding in irradiated ruel rods may be in more intimate contact than that of unirradiated fuel rods, is given on Figure 8. Here the observed[8] thicknesses of the alpha-Zircaloy layers resulting power-cooling-mismatch (PCM) and irradiation effects (IE) tests run in the Power Burst Facility (PBF) are plotted. In the case of the previously unirradiated specimens, the alpha-Zircaloy layer on the outer surface of the cladding (i.e., from the Zr/H_2O reaction) is generally somewhat greater than that on the inside surface (i.e., from the Zr/UO_2 reaction). However, for previously irradiated fuel rods, the opposite is true. This would appear to indicate that more intimate contact existed between the fuel and cladding for the previously irradiated fuel rods which enhanced the oxidation process.

Therefore, while it would appear that transients which result in clad ballooning might not exhibit Zr/UO_2 reactions, there is some evidence that in the case of irradiated fuel rods, the fuel may, in fact, already be adhering to the cladding.** In this case, the Zr/UO_2 reaction at high-cladding temperature might occur irrespective of the relative pressure of the system and the rod internal pressure.

---

*Bazin and Chubb both theorize that the fission products, such as cesium, may act somewhat as a catalyst in promoting fuel/clad bonding.

**This fuel/cladding adhesion layer may also act as a barrier between the steam and the inside surface of the cladding in the event of a cladding failure.



APPROXIMATE CONDITIONS REQUIRED FOR Zr-UO_2 REACTION[15]

Fig. 7

COMPARISON OF MEASURED ALPHA LAYER THICKNESSES FOR PCM AND IE TEST RODS[8]

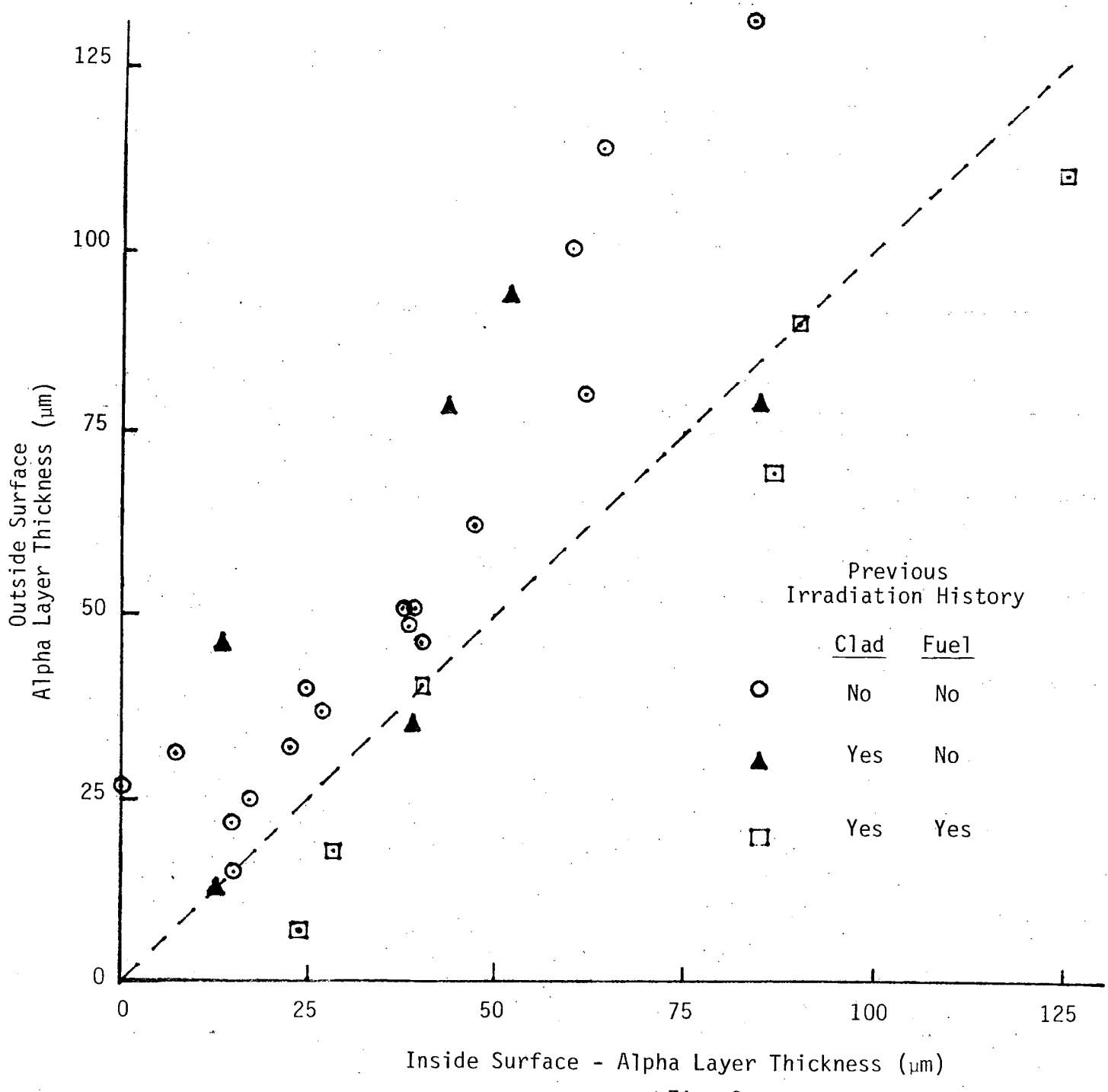


Fig. 8

4.0 SUMMARY AND CONCLUSIONS

With regard to the amount of hydrogen which might be produced due to the Zr/H_2O reaction under postulated high-temperature accident conditions, the preceding sections of this literature review have identified two areas which may limit the amount of hydrogen which could be produced:

1. Section 2.0 shows that, except in the case of very fine particles, it would be difficult to oxidize a very large percentage of the Zircaloy cladding even under ideal conditions. Of 37 experimental rods run in the Power Burst Facility, the equivalent cladding reaction (ECR) varied between 2 and 27 percent[8]. It has been estimated[17] that even if the emergency core cooling system did not work, the amount of cladding which would react with steam would be on the order of 25 to 50 percent prior to melting of the reactor core. (McLain[17] also notes that more sophisticated models indicate that the value could be less than 25 to 50 percent.)

2. A substantial amount of oxygen can be absorbed by the cladding from Zr/UO_2 reaction on the inner surface of the cladding (Section 3.0). Since this oxidation process produces no hydrogen, the amount of oxygen absorbed in this manner becomes quite important.

3. Based upon the review of the literature concerning Zircaloy oxidation, it would appear that there is a need to employ more mechanistic analytical models which consider all of the oxidation processes involved and thus provide more realistic predictions of hydrogen evolution during a

postulated high-temperature transient. Pending the completion of continuing experimental work, it is considered prudent to represent the data discussed above by a range of values for hydrogen generation from specific transients. However, from the data presented, it is clear that the probable reaction of Zircaloy with steam in degraded core transients will result in substantially less than complete reaction. Formation of an oxide layer from the parabolic rate law, even after melting, will act to limit the amount of reaction.

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APPENDIX 3.4.4

A LITERATURE REVIEW:

THE CHARACTERISTICS OF STAINLESS STEEL OXIDATION IN STEAM

1.0 INTRODUCTION

The purpose of this report is to summarize the information currently available regarding the oxidation of stainless steel in a steam environment. This literature review was performed in order to determine what information is currently available and to identify the characteristics of the stainless steel oxidation which would permit the definition of the probable amount of stainless steel-water reaction which could occur including uncertainty ranges.

Much of the data which have been generated regarding the oxidation of stainless steel in a steam environment was performed in the 1960s in support of various reactor fuel programs[4,9]* in which stainless was considered as a potential cladding material. Still other data were generated in support of steam generator/superheater research programs[20]. These latter experiments were generally in the temperature range of 1100-1500°F (600-800°C), whereas the data in support of the fuels programs investigated reactions at higher temperatures (∿1400°C or 2550°F).

Powers presented a several-page summary of the state-of-the-art of stainless/steam oxidation in a 1975 Sandia publication[1]. None of the references cited by Powers was more recent than 1968. It appears that while much research is still taking place in the lower temperature range (<900°C), very little has been done at the higher temperatures since Zircaloy replaced stainless as a preferred cladding material. Telephone conversations[17,18,19] held with several of the original, principal researchers in this area failed to identify any recent work although some additional references[11, 16] were identified during one phone conversation. The results of the review of these and the other documents listed in the bibliography (Section 5.0) are presented in the following section of this report.

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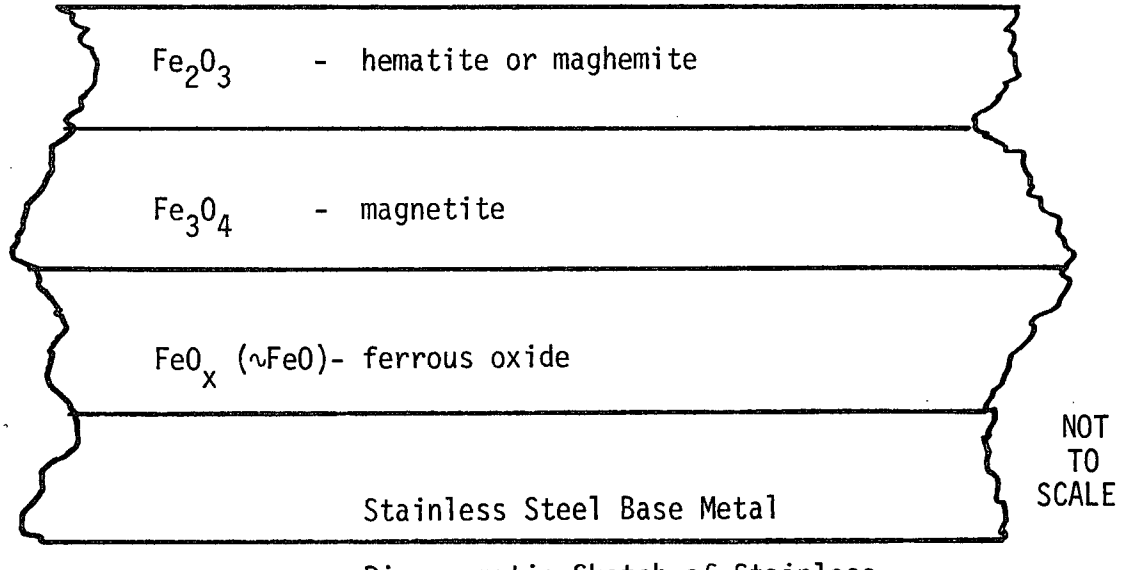
*Refers to specific references in the bibliography (Section 5.0); not all of the listed documents are used as specific references in this report.

2.0 STAINLESS STEEL/STEAM OXIDATION

2.1 Type of Oxide Formed

Unlike the steam oxidation of Zircaloy in which the principal product is a single oxide form (ZrO_2), the steam oxidation of stainless can result in several oxide forms. In the low-temperature experiments[20], two distinct layers are formed (Figure 1). The reason for this duplex layering may be associated more with the constituents of the oxide rather than with a different oxide. Microprobe analyses (Figure 2) show that the inner layer contains concentrations of silicon, chromium, nickel and manganese in greater concentrations than in the base metal. Apparently these materials diffuse outwardly as the oxygen diffuses into the stainless (this may be only applicable to the low-temperature studies).

This duplex layering begins to be more complex as the steam temperature is increased. The normal magnetite or "spinel" form of the oxide (Fe_3O_4) changes to FeO, the "wüstite" form of the oxide. The exact temperature at which this change occurs is a function of the percentage of the various alloying elements[20] present in the stainless. The actual composition of the oxide layers has been described by Fast[21] as being composed of three layers as shown in the sketch below:



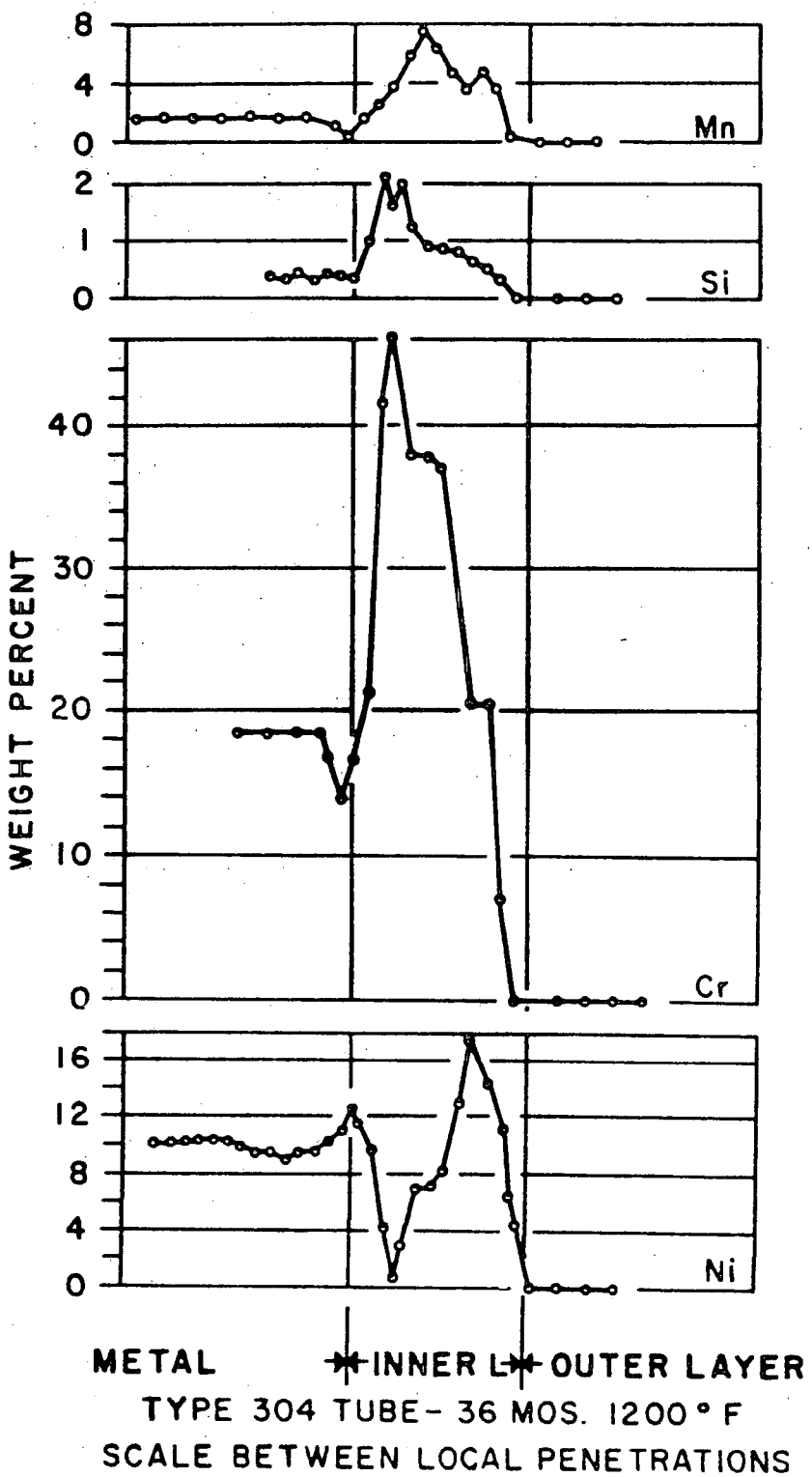
Diagrammatic Sketch of Stainless Oxide Layers According to Fast[21]

X 100

TP 304 X 250

STAINLESS STEEL "DUPLEX OXIDE"
FORMED IN STEAM [20]
1200°F

Fig. 1



MICROPROBE ANALYSES OF
STAINLESS "DUPLEX" OXIDE

Fig. 2

The relative thickness of the respective layers is rather important insofar as hydrogen evolution is concerned since the number of molecules of hydrogen produced by the oxidation process is proportional to the number of oxygen atoms used in the process. Barnes[15] compared the amount of hydrogen evolved in an oxidation experiment on 304 s.s. at approximately 1400°C with the "theoretical results" obtained assuming the oxide was composed entirely of Fe_3O_4 and found that the theoretical results were only slightly greater than the amount observed. Thus, while the stainless oxide may be composed of several different forms, the assumption that the oxide is mainly magnetite (Fe_3O_4) will approximately yield the correct result.

It has also been noted[20] that the form of the oxide varies between different-type alloys of stainless and between individual batches of the same type of alloy. Figure 3 shows how the scale thickness and appearance of the duplex layers vary from sample to sample. In general, the inner layer is adherent while the outer layer tends to flake off[2,20].

2.2 Experimental Results

The rate of oxidation of stainless in high temperature has been measured in the laboratory by several experimentalists[2,3,5,6,8]* using various analytical techniques. Several reactor in-pile experiments[4] have also been performed to study this reaction process. These tests have encompassed a variety of austenitic materials and the tests have been performed over a wide range of temperatures (890°C to ∿3700°C). Figure 4 shows the percentage of metal reacted as a function of particle size for in-pile** tests performed in the TREAT reactor. In these tests, it was found that there was very little reaction until the peak core temperatures reached the melting point of UO_2. Beyond this temperature range, an approximate relationship between the extent of metal-water reaction and the amount of fission energy input to the system was found.

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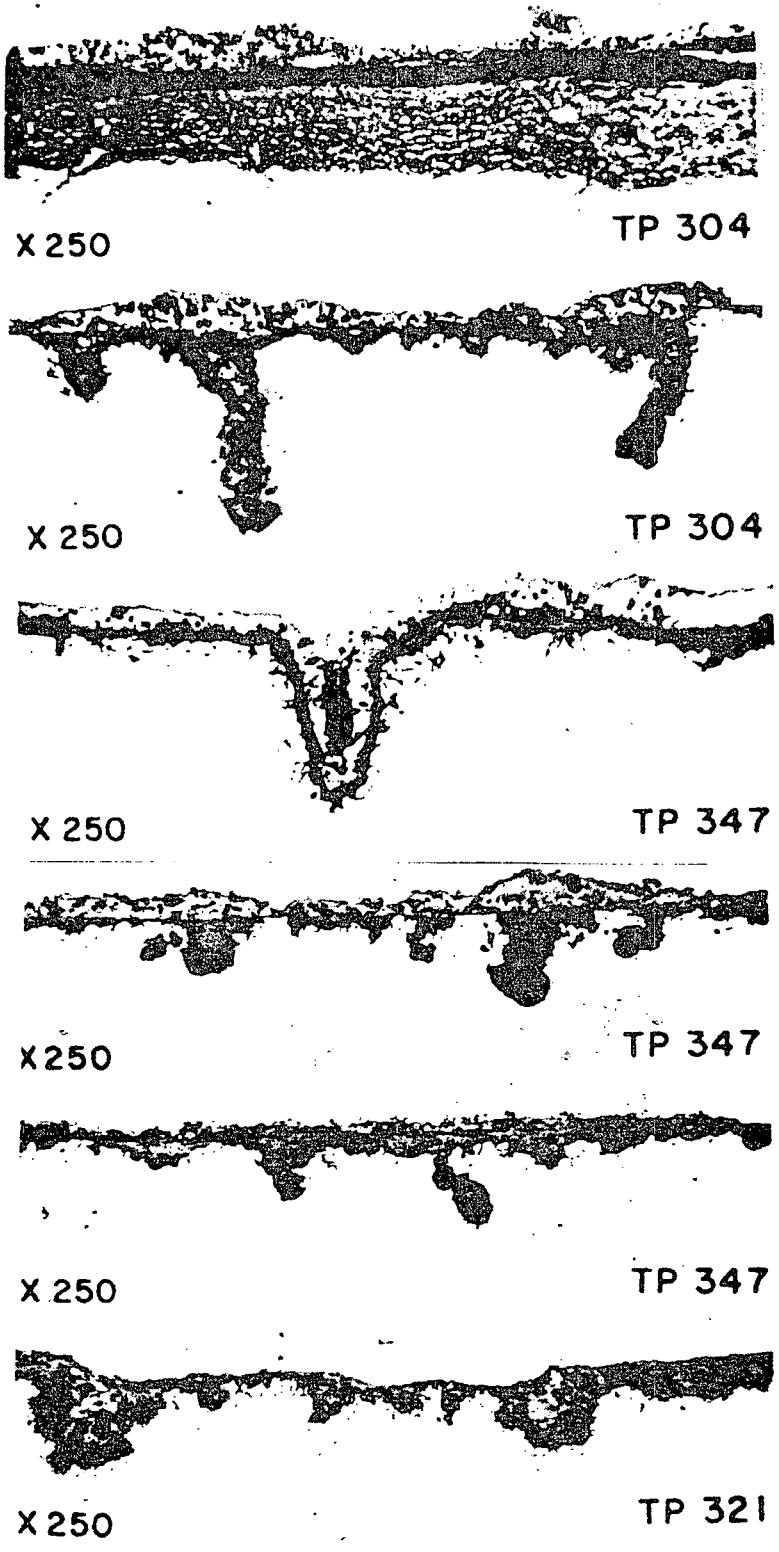
*These are only representative samples of such experiments.

**Particle sizes were measured after the test (i.e., post reaction particle sizes).



"DUPLEX" OXIDE LAYERS
FOR SEVERAL STAINLESS ALLOYS[20]

Fig. 3

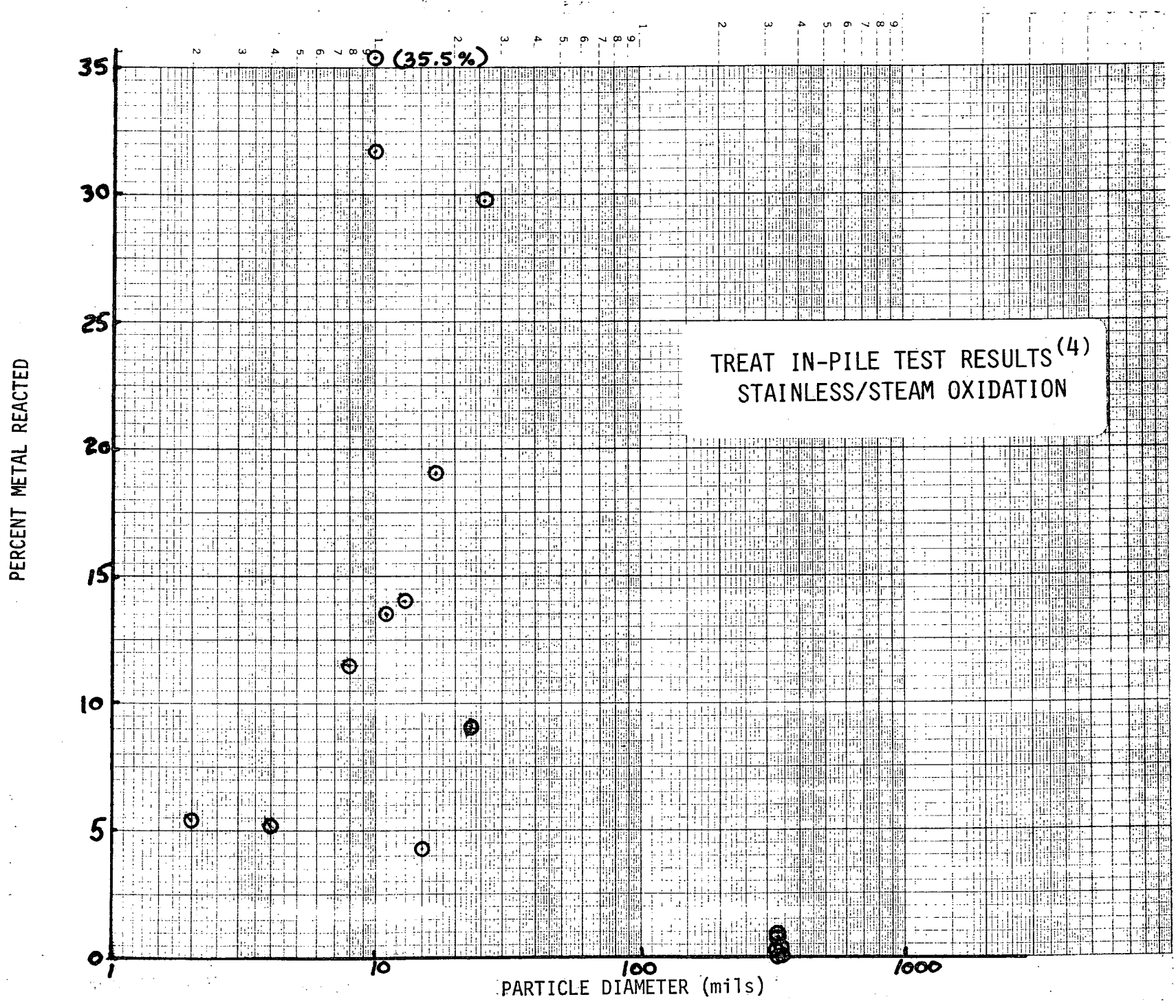

TREAT IN-PILE TEST RESULTS(4)
STAINLESS/STEAM OXIDATION
(35.5%)
PERCENT METAL REACTED
PARTICLE DIAMETER (mils)
0
5
10
15
20
25
30
35
1
10
100
1000

Fig. 4

Examination of the results on Figure 4 show that there is a wide scatter in the data in the 10-25 mil diameter particle range (254-635 micron diameter). However, the maximum amount of metal reacted was only 35.5 percent even though the peak core temperatures for this case were estimated to be greater than 3300°C.

The results from another set of experiments are presented on Figure 5. These data were obtained[8] using the condenser discharge in which specimen wires of 30 and 60 mil in diameter were heated almost instantaneously to temperatures between 1000°C and 3700°C. This high temperature caused the wire to break into small particles which then reacted with the high temperature water. Several points of interest should be noted from the figure:

1. The region which shows an apparent wide scatter in the data (∿200-500 microns) is approximately the same range in which scatter was noted in the TREAT data (Figure 4). It would appear that this range may mark the boundary of an increasing percentage reaction region rather than one in which a large amount of scatter is inherent. A similar set of experiments using Zircaloy (see Appendix 3.4.3) exhibited the same type of behavior as the particle size became smaller than ∿500 microns.

2. The maximum percent metal reacted is less than 40 percent for both the condenser discharge experiment and the TREAT test. This compares to values of 60 to 70 percent obtained in the Zircaloy condenser discharge experiments. This has been taken to indicate[8] that under similar circumstances and over the same temperature range (1000-4000°C), the oxidation kinetics of stainless/steam are less severe than for the Zircaloy/steam reaction.

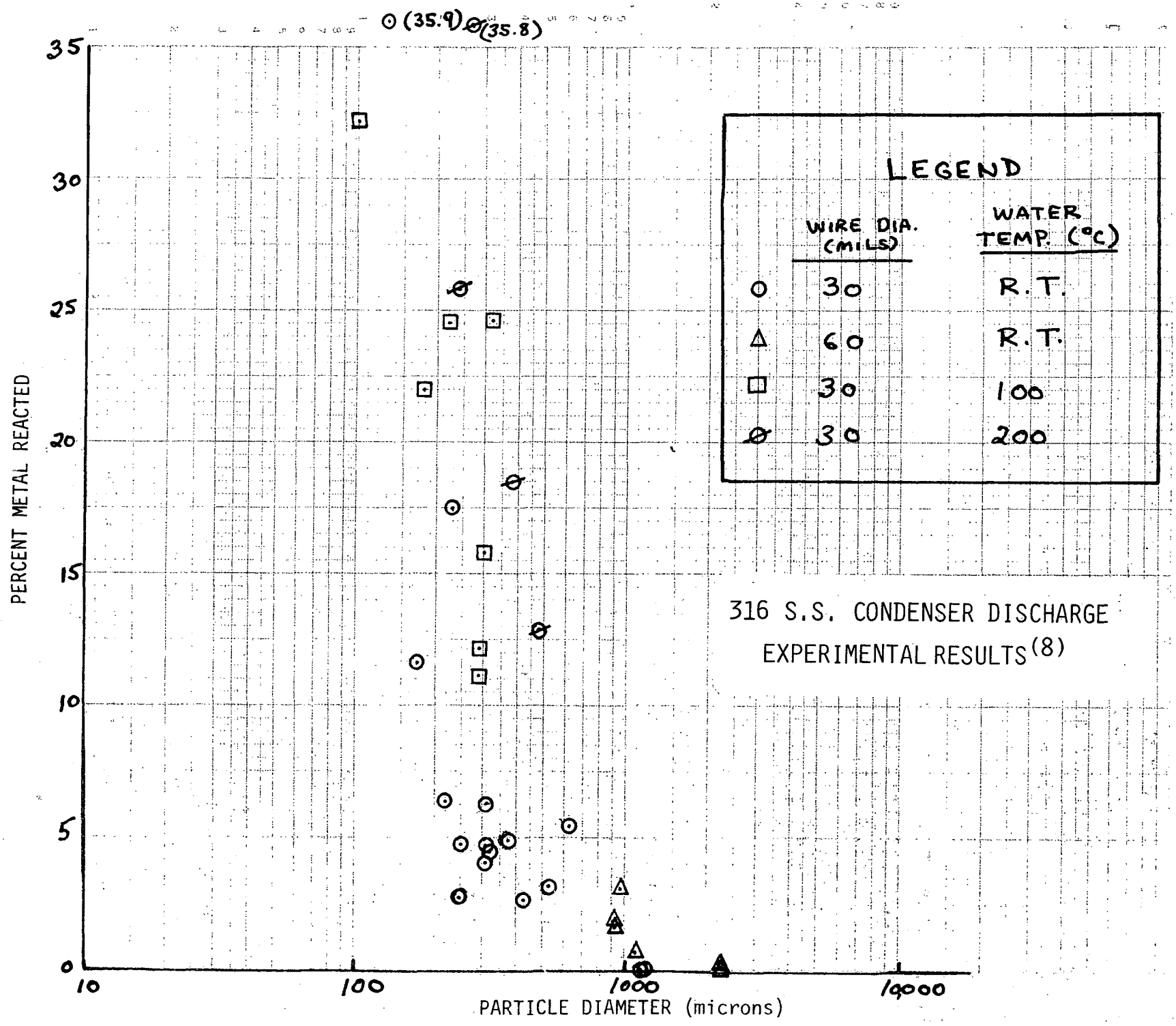

⊙ (35.9) ⊘ (35.8)
35
30
25
20
15
10
5
0
PERCENT METAL REACTED
10
100
1000
10000
PARTICLE DIAMETER (microns)
LEGEND
WIRE DIA. (MILS)
WATER TEMP. (°C)
30 R.T.
60 R.T.
30 100
30 200
316 S.S. CONDENSER DISCHARGE
EXPERIMENTAL RESULTS(8)

Fig. 5

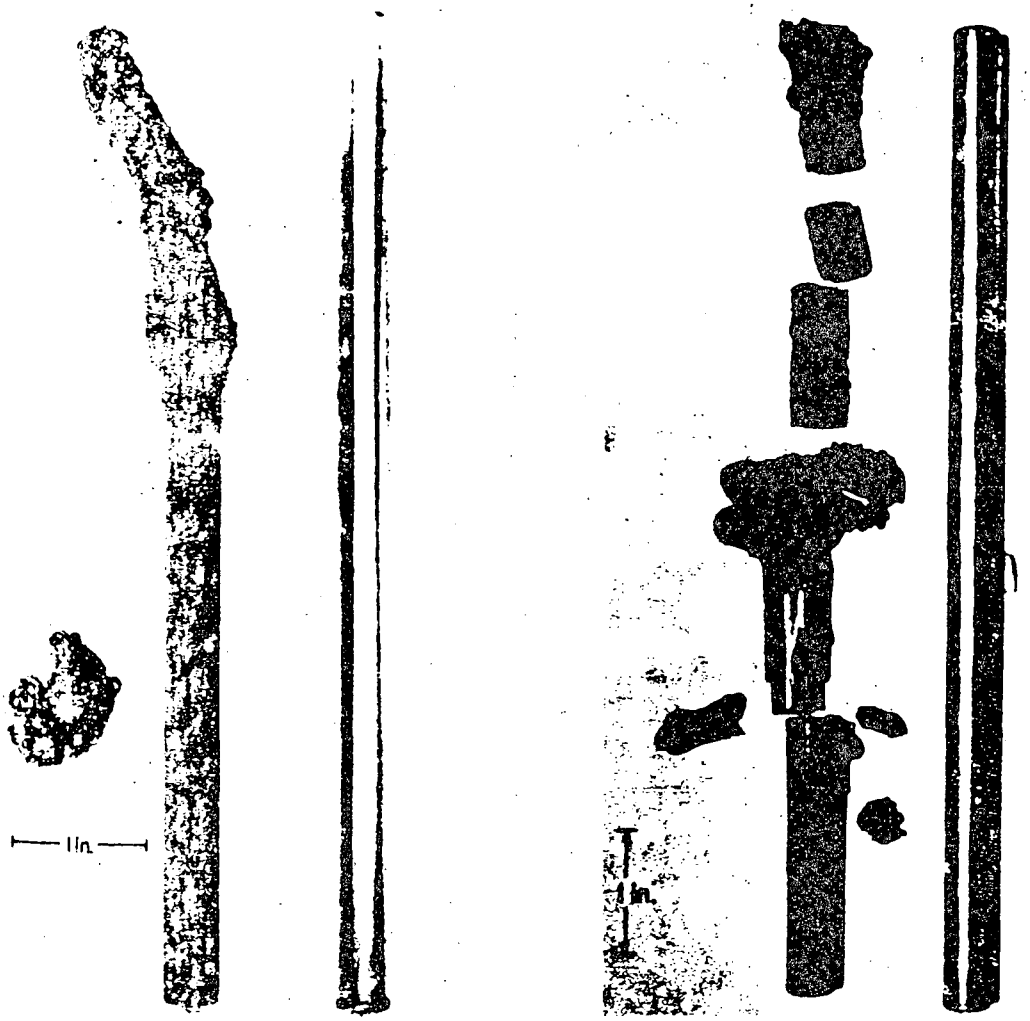
3. There does not appear to be a significant difference between tests run with steam at room temperature, 100°C and 200°C. This agrees with the results from other experiments[3,5] where results obtained in the 100-315°C range were nearly identical and only slightly greater than those obtained at room temperature.

Baker concluded[8] as a result of these condenser discharge tests that the inability to fully oxidize the particles even at these extreme temperatures indicates that the reaction is controlled by a chemical (parabolic) rate law even beyond the melting point of the stainless. A similar conclusion was drawn as a result of the tests performed on Zircaloy.

In contrast to the apparent parabolic nature of the condenser discharge experiments discussed above, several experimentalists have noted both linear and parabolic rates. Vogel[6] found that while results obtained at 1100 and 1200°C exhibited definite parabolic tendencies, tests performed at 1300°C had reaction rates which were somewhat dependent on the heatup rate. Tests with heatup rates of 3 minutes and of 5 minutes (but run at the same 1300°C test temperature) displayed different and somewhat linear reaction rates for the first twenty minutes of the tests. After that period of time, the reaction rate of the two specimens became similar.

Several tests[10] performed by the General Electric Company had linear reaction rate behavior for the first 6 to 28 minutes of the tests after which the rate became parabolic. A discussion of the linear versus parabolic reaction will be presented in Section 3.

A phenomena which has been noted in many steam/stainless oxidation experiments[6,7,16] is that of "foaming." This behavior, which occurs at or near the melting point of the stainless, results in a large porous volume change of the material. This increases the reaction rate[6,16] due to the large increase in surface area that accompanies the "foaming" process. The rate and extent of the oxidation appeared to be unaffected by pressure or steam flow rate[16]. Figure 6 shows two fuel rods which were exposed to



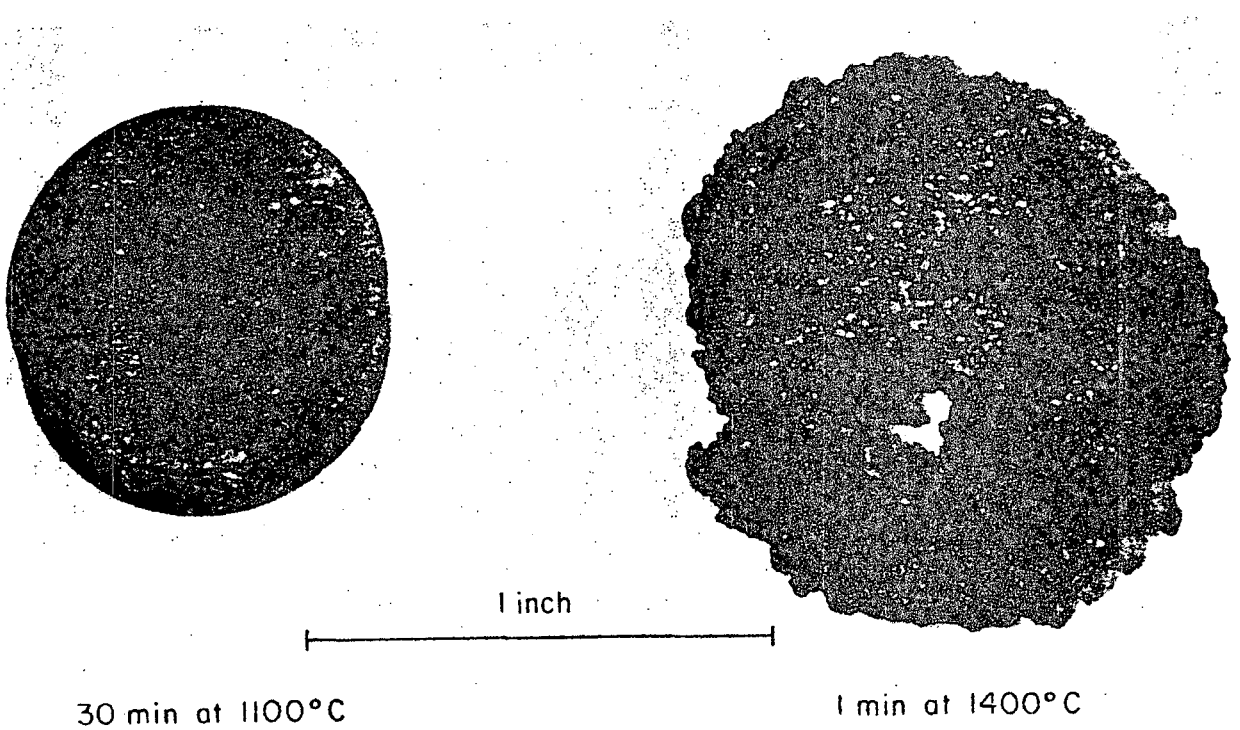
FUEL RODS CLAD WITH 304 STAINLESS EXPOSED TO STEAM FOR 10 MINUTES (left) AND 180 MINUTES (right). TEMPERATURE OF REGION IN WHICH "FOAMING" OCCURS IS IN THE RANGE OF 1400-1500°C

Fig. 6

steam while in the temperature range of interest. The rod on the left had a temperature gradient from approximately 900°C at the bottom to 1500°C at the top[7]. Extensive foaming can be seen on the rod in the region where the temperature was estimated[7] to be between 1400° and 1500° C. The rod on the right was exposed to steam at 1500°C[2]. The bulging associated with foaming is obvious.

It should be noted that the "foaming" phenomena does not occur when steel is oxidized in air[11]. This is because an adherent protective layer of $(Cr, Fe)_2O_3$ is formed in air (but not in steam) which retards the foaming process. The oxidation rate at 1360°C is approximately three orders of magnitude less in air than in steam[11].

APPEARANCE OF 304 STAINLESS STEEL
AFTER EXPOSURE TO STEAM



Right: An Example of Stainless Steel "Foaming"[6]

3.0 OXIDATION REACTION RATES

3.1 Linear versus Parabolic Rate Constants

As noted in the previous section, there are two types of stainless/steam oxidation rates to consider; linear and parabolic. The following three equations have been derived or recommended by various authors:

Linear Rate:[11]

$$\frac{W}{t} = 1.1\text{x}10^{5} \exp\left(\frac{-44350}{RT}\right) \tag{1}$$

Parabolic Rates:

Equation 2;[1,9,11,14]

$$\frac{W^2}{t} = 2.4\text{x}10^{12} \exp\left(\frac{-84300}{RT}\right) \tag{2}$$

Equation 3;[1,10]

$$\frac{W^2}{t} = 1.41\text{x}10^{11} \exp\left(\frac{-90800}{RT}\right) \tag{3}$$

where

W	is the weight gain (oxygen)	[mg/cm^2]
t	is the time	[seconds]
T	is the temperature	[°K]
R	is equal to 1.987 cal/mole-°K	

Since equation 2 is referenced most often and since it has been referenced at a later date than equation 3 by the same organization, it is assumed that equation 2 is more representative of the data. The difference between equation 1 (linear) and equation 2 (parabolic) is shown on Figure 7 for 1200°C and on Figure 8 for 1400°C as a function of time. The relative behavior of the equations at both temperatures is quite similar with a cross-over occurring at approximately 800 to 1000 seconds (13-17 minutes). The parabolic curve is somewhat more conservative during the initial time frame and is more realistic once the 6-to-28-minute linear period is over. In view of these facts, it is suggested that the parabolic curve (equation 2) be used throughout any analysis in which steam/stainless oxidation parameters are calculated. The only period of time in which this method may introduce some non-conservatism is the period between 17 and 28 minutes in which the higher value, linear rate may be more appropriate. However, in view of the wide range of observed times in which the transition occurs (i.e., 6 to 28) and in view of the paucity of data with which to make a more firm decision, it is felt that the use of the parabolic equation throughout the calculations can be justified.

3.2 Comparison with Zircaloy/Steam Oxidation Rates

As discussed previously, the recommended parabolic rate equation for the stainless/steel oxidation process is

$$\frac{W^2}{t} = 2.4\text{x}10^{12} \exp\left(\frac{-84300}{RT}\right) \tag{2}$$

A comparable equation for the Zircaloy/steam oxidation rate is[1]

$$\frac{W^2}{t} = 4.13\text{x}10^{6} \exp\left(\frac{-45500}{RT}\right)^{*} \tag{4}$$

*Equation 4 was derived by Powers[1] from the original Baker-Just equation[22] which gives the weight reacted rather than the weight gain. The derivation is performed by modifying the Baker-Just constant, $33.6\text{x}10^6$, by the square of the respective molecular weights of oxygen (O_2=32) and zirconium (Zr=91.22), so that

$$\left(33.6\text{x}10^6\right)\left(\frac{32}{91.22}\right)^2 = 4.13\text{x}10^6$$

COMPARISON OF LINEAR AND PARABOLIC OXIDATION RATE
STAINLESS/STEAM AT 1200°C

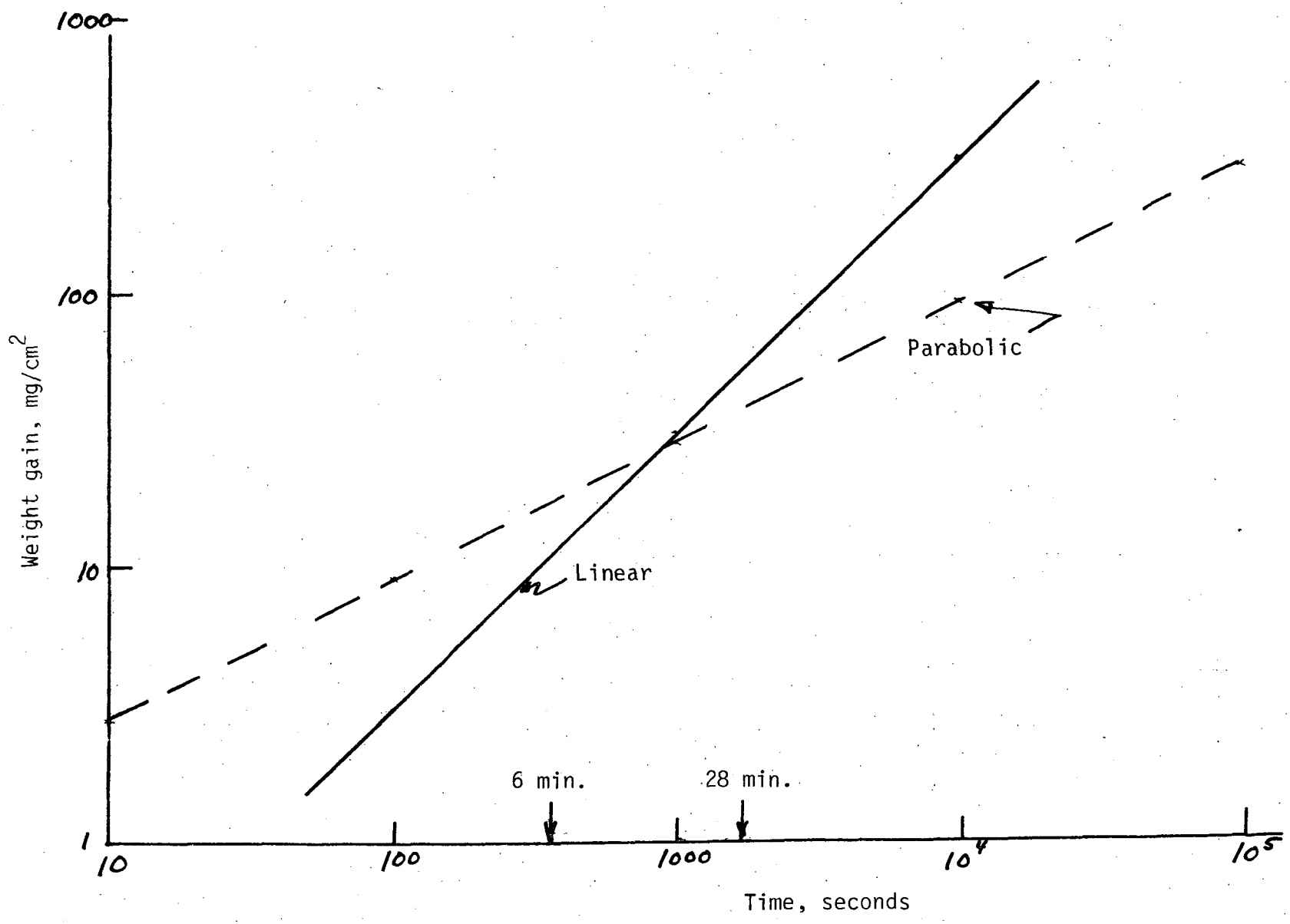


Fig. 7

COMPARISON OF LINEAR AND PARABOLIC OXIDATION RATES
STAINLESS/STEAM AT 1400°C

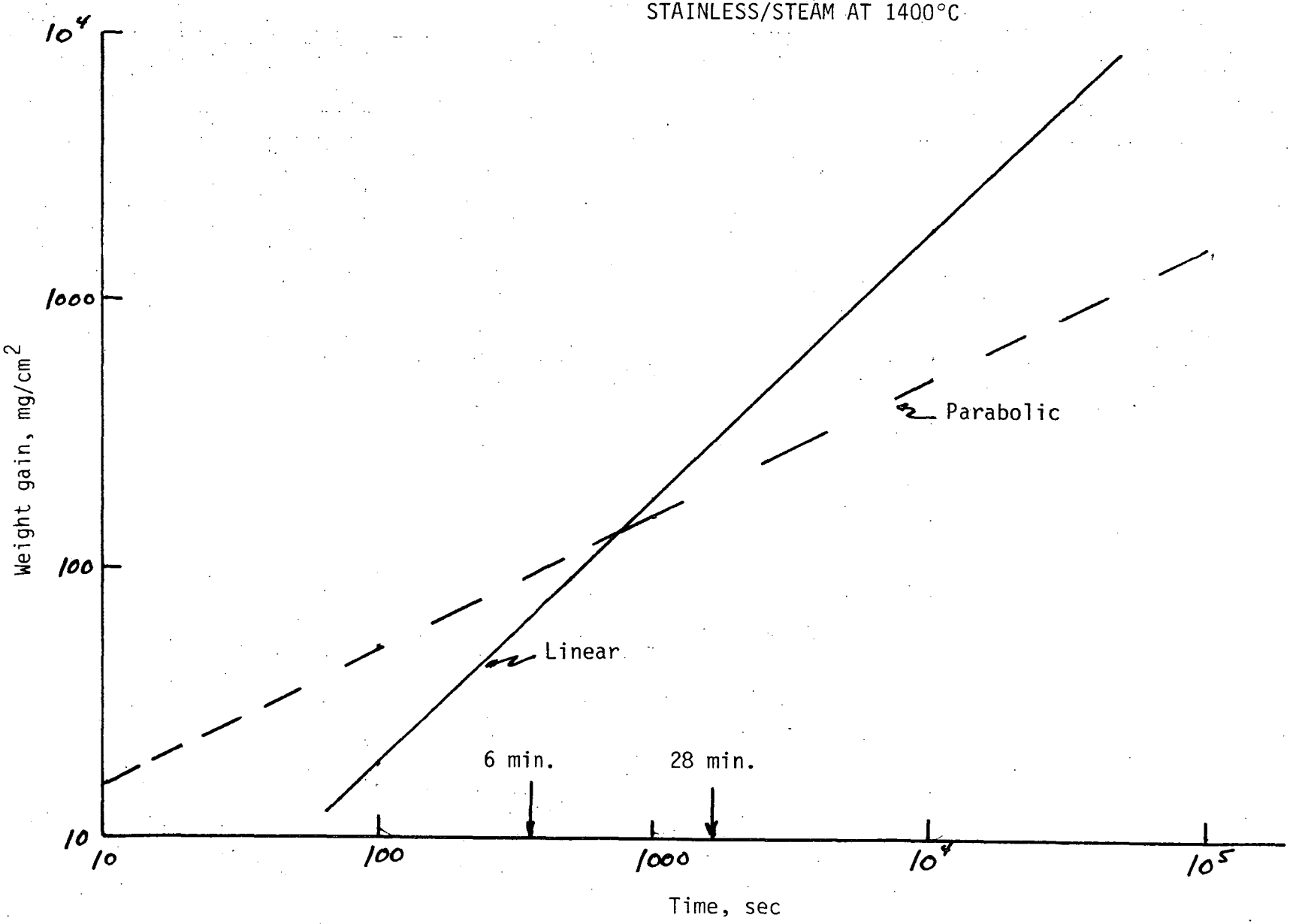


Fig. 8

By taking the ratio of equation 2 to that of equation 4, an expression can be obtained with which to compare the relative oxidation rate (weight gain) of stainless to Zircaloy. Since the weight gain (oxygen reacted) is also proportional to the amount of hydrogen produced, this ratio gives an indication of the relative amount of hydrogen which will be produced under similar conditions by the steel/steam reaction.

$$\text{Ratio} = \frac{\text{Eq. 2}}{\text{Eq. 4}} = 5.81\text{x}10^5 \exp \frac{-38800}{RT} \tag{5}$$

Equation 5 is plotted on Figure 9 and shows that below 1000°C, the steam oxidation of stainless is negligible compared to that of Zircaloy; at 1200°C the rates are comparable; and for values greater than 1300-1400°C the calculated steam/stainless oxidation rate is significantly larger than that of Zircaloy. It is obvious that it will be very important to establish the temperature of the stainless and/or steam to a reasonable degree in order to avoid overestimating the hydrogen evolution resulting from the oxidation process.

3.3 Hydrogen Production

As shown in Appendix A, the stainless/steam oxidation rate equation can be rearranged to provide the following equation which gives the volumetric rate of hydrogen production occurring during the stainless/steam oxidation process:

$$\frac{V^2}{t'} = 2.436\text{x}10^{14} \exp\left(\frac{-84300}{RT}\right) \tag{6}$$

Where V is the volumetric rate of hydrogen produced per square foot of surface area $\left[\frac{\text{liters S.T.P.}}{\text{ft}^2}\right]$

t' is the time [minutes]

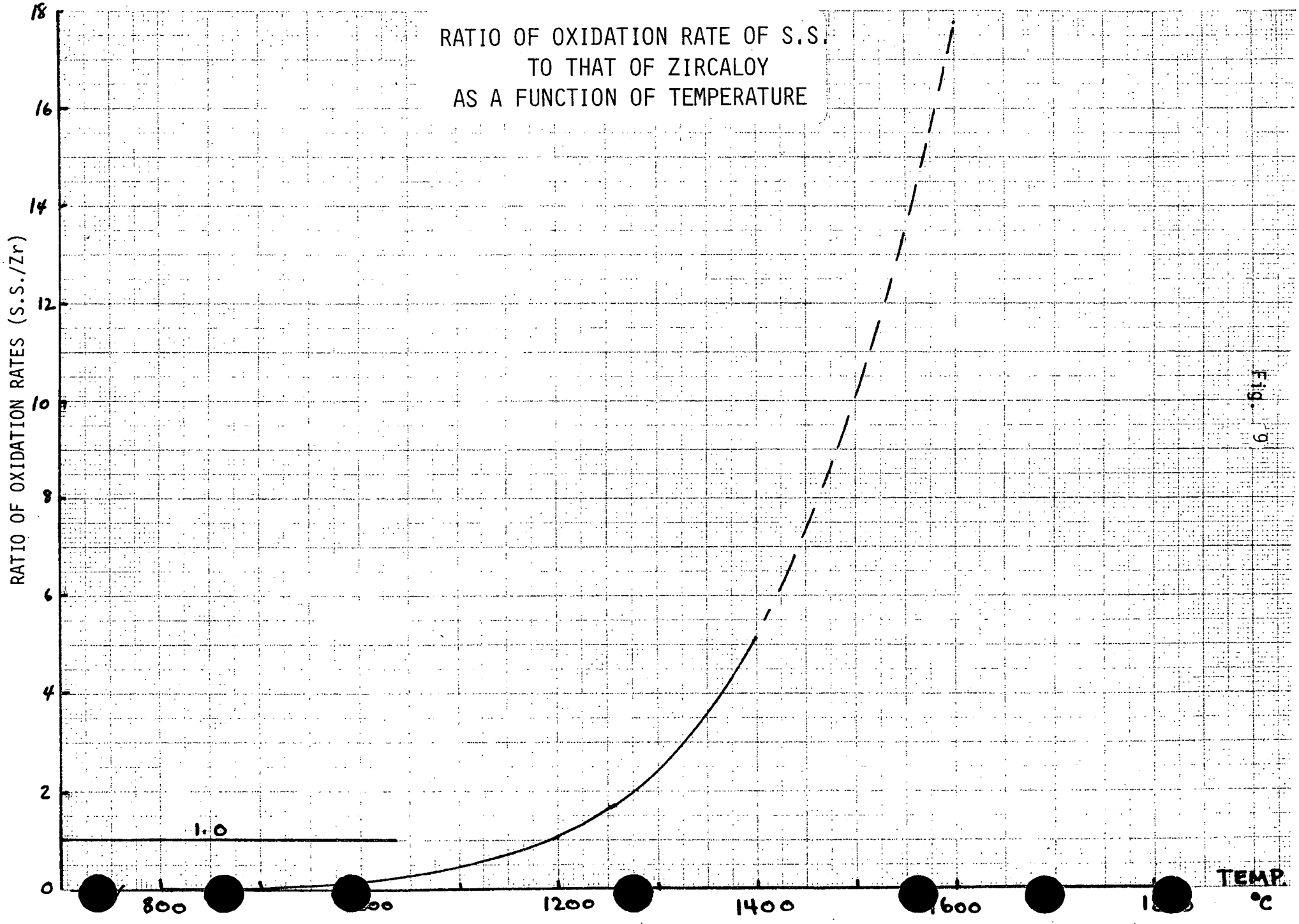

RATIO OF OXIDATION RATE OF S.S.
TO THAT OF ZIRCALOY
AS A FUNCTION OF TEMPERATURE
RATIO OF OXIDATION RATES (S.S./Zr)
18
16
14
12
10
8
6
4
2
0
1.0
800
1200
1400
1600
TEMP.
°C

Fig. 9

Figure 10 is a plot showing the amount of hydrogen produced as a function of time and temperature. It is important to establish the temperature of the structure in order to obtain a reasonable estimate of the amount of hydrogen evolved. It is also necessary to identify the appropriate surface areas (e.g., in the upper plenum). Finally, it is important to consider the amount of steam available to provide the oxidizing environment since it has been postulated[16] that the oxidation process for temperature in excess of $1400^{o}C$ may be limited by the availability of the steam supply.

HYDROGEN PRODUCTION CAUSED BY STEAM/STAINLESS OXIDATION
AS A FUNCTION OF TIME AND TEMPERATURE

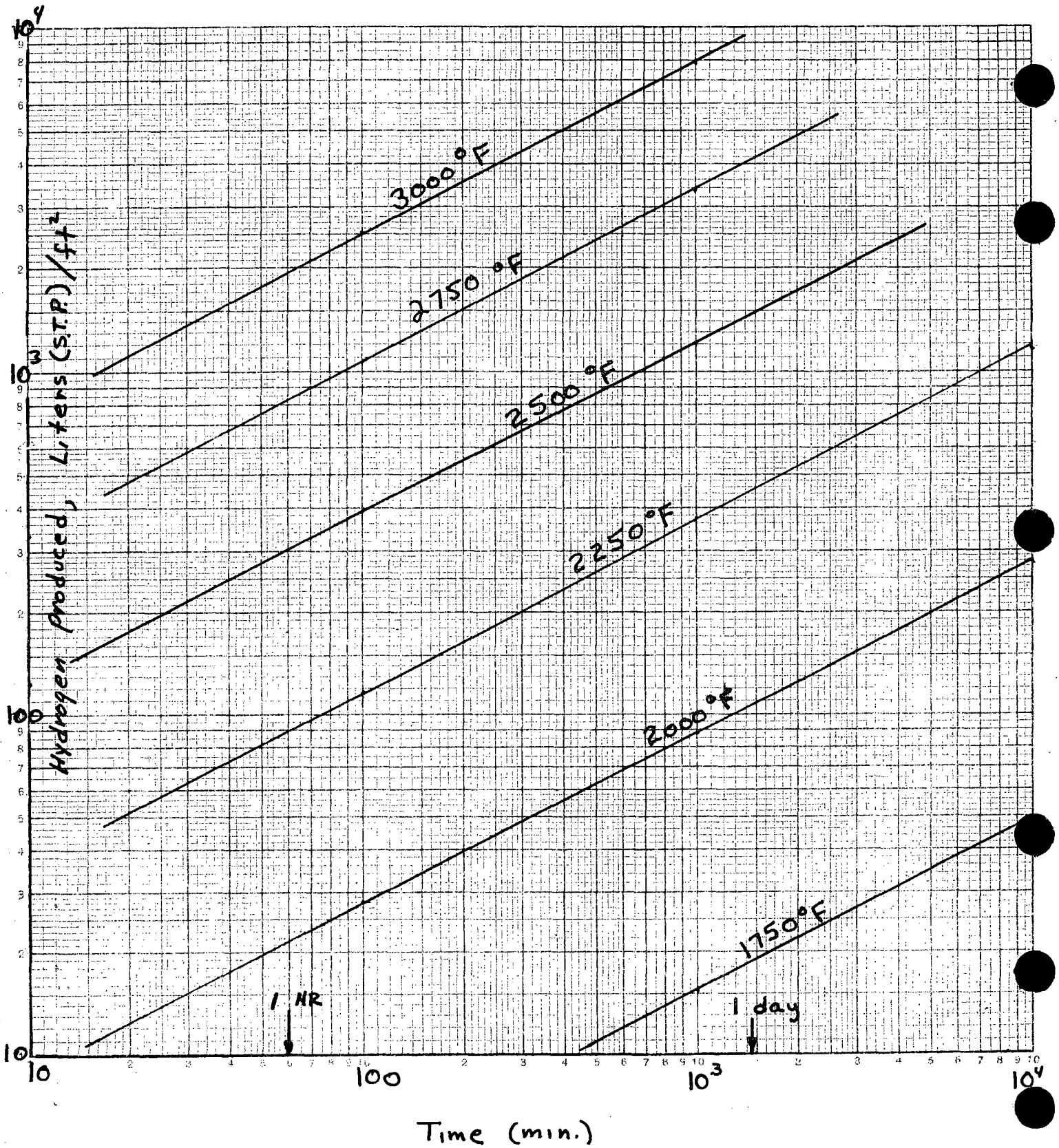


Fig. 10

4.0 SUMMARY AND CONCLUSIONS

Based upon a review of the literature and on the results of supporting calculations, the following conclusions were reached:

1. Although some data indicates that the steam/stainless oxidation process may be linear under certain conditions, the use of a parabolic equation in all calculations should not result in significant error.

2. At temperatures near or above the melting point of stainless, the oxidation rate becomes much larger than that of Zircaloy. This may be due, in part, to the phenomena of "foaming" which greatly increases the surface area of the stainless when steam oxidation occurs near the melting point.

3. Because of the extreme temperature dependency of the stainless/steam oxidation process, it will be extremely important to establish the temperature of the structures under consideration in order to avoid predicting excessive hydrogen formation.

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APPENDIX A

DERIVATION OF THE EQUATION RELATING HYDROGEN EVOLUTION TO STAINLESS/STEAM OXIDATION

The purpose of this appendix is to derive an expression for the volumetric hydrogen evolution during the steam/stainless oxidation process

A. Basic Equation

$$\frac{W^2}{t} = 2.4\text{x}10^{12} \exp\left(\frac{-84300}{RT}\right)$$

where

W	is the oxygen weight gain	[mg/cm^2]
t	is the time	[seconds]
T	is the temperature	[°K]
R	is equal to 1.987 cal/mole-°K	

B. Take the square root of the equation

$$\frac{W}{\sqrt{t}} = 1.549\text{x}10^6 \left[\exp\left(\frac{-84300}{RT}\right)\right]^{1/2}$$

C. Convert the constant $1.549\text{x}10^6$ to units of molecules of O_2 reacted

$$1.549\text{x}10^6 \frac{\text{mg } O_2}{\text{cm}^2} \cdot \frac{1 \text{ gm}}{1000 \text{ mg}} \cdot \frac{6.023\text{x}10^{23} \text{ molecules}}{32 \text{ gm}}$$

$$= 2.916\text{x}10^{25} \frac{\text{molecules } O_2}{\text{cm}^2}$$

D. For every molecule of oxygen which reacts with the stainless, two molecules of hydrogen are produced

$$(2)\ (2.916\times10^{25}) = 5.83\times10^{25}\ \frac{\text{molecules } H_2}{cm^2}$$

E. Convert molecules of hydrogen to liters of H_2 @ STP

$$5.83\times10^{25}\ \frac{\text{molecules } H_2}{cm^2} \cdot \frac{1 \text{ mol}}{6.023\times10^{23} \text{ molecules}} \cdot \frac{22.4 \text{ liters}}{\text{mol}}$$

$$= 2.17\times10^{3}\ \frac{\text{liters}}{cm^2}$$

F. Convert cm^2 to ft^2

$$\left(2.17\times10^{3}\ \frac{\text{liters } H_2}{cm^2}\right) \cdot \left(\frac{2.54 \text{ cm}}{\text{in}}\right)^2 \left(\frac{144 \text{ in}^2}{ft^2}\right) = 2.015\times10^{6}\ \frac{\text{liters}}{ft^2}$$

G. We now have

$$\frac{V}{\sqrt{t}} = 2.015\times10^{6} \left[\exp\left(\frac{-84300}{RT}\right)\right]^{1/2}$$

where V is the hydrogen evolved in (liters/ft^2)

or

$$\frac{V^2}{t} = 4.06\times10^{12} \exp\left(\frac{-84300}{RT}\right)$$

H. Changing the units of time to minutes instead of seconds, yields

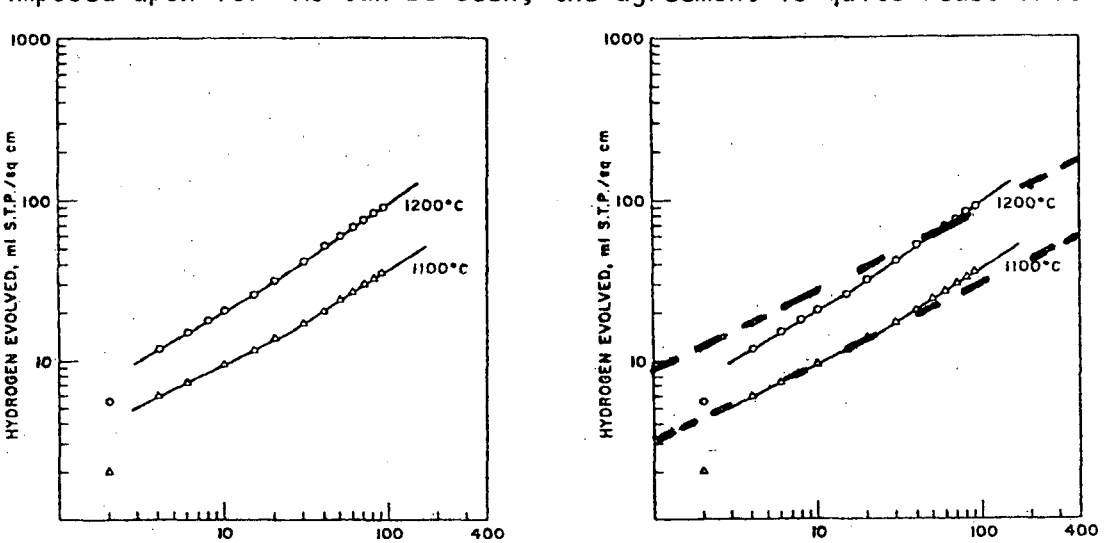
$$\frac{V^2}{t'} = 2.436\times10^{14} \exp\left(\frac{-84300}{RT}\right)$$

I. Sample Calculation

Temperature			for $t' = 10^3$ min	
°F	°K	$\frac{V^2}{t'}$	V^2	$V\left(\frac{\text{liters}}{\text{ft}^2}\right)$
1500	1089	2.93×10^{-3}	2.93	1.7
2000	1366	7.91	7.91×10^{3}	8.9×10^{1}
2500	1644	1.51×10^{3}	1.51×10^{6}	1.2×10^{3}
3000	1922	6.31×10^{4}	6.31×10^{7}	7.9×10^{3}

J. Comparison With Experimental Data

The figure on the left below shows the hydrogen evolution measured in experiments performed[6] at 1100°C and 1200°C. The reaction rate is nearly parabolic (log-log slope of 1/2) but appears to "accelerate slightly after 10 to 20 minutes.[6]" On the right, the same figure is shown with the calculated values from the above equation superimposed upon it. As can be seen, the agreement is quite reasonable.



Hydrogen Evolution During Steam Oxidation of 304 Stainless

APPENDIX B

DERIVATION OF THE EQUATION FOR WEIGHT OF METAL REACTED

The steam/stainless oxidation equation expressed in terms of weight gain is

$$\frac{W^2}{t} = 2.4\text{x}10^{12} \quad \exp\left(\frac{-84300}{RT}\right)$$

To convert this equation into one which gives the weight of metal reacted, the constant must be corrected by the ratio of the respective molecular weights on the constituents of the oxide (Fe_3O_4)* squared. That is

$$\left(\frac{3Fe}{40}\right)^2 \text{ or } \left(\frac{3 \text{ x } 55.85}{4 \text{ x } 16}\right)^2 = 6.85$$

so that

$$\frac{W_m{}^2}{t} = 1.645\text{x}10^{13} \quad \exp\left(\frac{-84300}{RT}\right)$$

expresses the steam/stainless oxidation rate in terms of (mg/cm^2) metal reacted. This is the same form as the Baker-Just equation for the steam/Zr reaction

$$\frac{W_m{}^2}{t} = 33.6\text{x}10^6 \quad \exp\left(\frac{-45500}{RT}\right)$$

*Assuming that the oxide is composed primarily of magnetite.

APPENDIX 3.4.5

DEBRIS BED EXPERIMENTS

APPENDIX 3.4.5

DEBRIS BED EXPERIMENTS

3.4.5.1 Debris Bed Cooling

3.4.5.1.1 Introduction

In the PWR design, the emergency core cooling systems are designed to provide core cooling for different postulated accidents up to and including the design basis Loss-of-Coolant-Accident. If, however, it is assumed that the emergency core cooling system does not function for some reason, the core would be inadequately cooled and could melt. The molten core could then form a core debris bed either in the vessel or in the reactor cavity. Since the core has now lost its configuration the question which must be answered is: Can the core debris bed be adequately cooled by the natural circulation of water and steam through the bed, or will the bed dry out and continue to overheat If the debris bed can be adequately cooled either in-vessel or in the reactor cavity, the accident can be terminated and the containment, the last barrier to fission product release, will not fail. If however, the core can not be cooled and proceeds to dryout, core melting could progress either through the reactor vessel (for in-vessel debris beds) or through the containment floor (for ex-vessel debris beds). Continued melt interaction with the containment structure can potentially lead to containment failure either by melt through (not likely) or containment overpressurization due to noncondensable gas formation or an abrupt hydrogen/carbon monoxide burn. Both containment failure modes can be avoided if the debris bed can be shown to be coolable.

Nearly all the previous debris bed cooling studies have been performed to simulate the core cooling conditions which could occur after a postulated Liquid Metal Fast Breeder Reactor (LMFBR) hypothetical core disruptive accident. The power, particle size, and coolants tested have been more typical of a sodium cooled LMFBR system. However, recent investigations into possible degraded core cooling sequences for light water reactors has increased the interest in debris bed cooling under postulated LWR accident conditions.

Previous unpublished work on these units utilized a debris bed cooling model which was based upon LMFBR data. To provide a more realistic data base for PWR applications, Westinghouse and its associated utilities initiated a study to investigate debris bed coolability over a larger range of particle sizes and bed depths. This study was to achieve the following objectives:

1) evaluate existing data and analytical models to determine their applicability,

2) supplement the evaluation of existing information with additional experiments,

and

3) establish core debris bed cooling methodology which can be used to study the potential for mitigation and/or termination of core degradation sequences.

The successful achievement of these objectives is important in evaluating the consequences of core degradation sequences in order to provide a more realistic assessment that the conservative, nonmechanistic evaluations that have been used in previous studies (i.e., WASH-1400). The results and experimental methods used in the present program are described in the following section of this appendix. A recommendation on the method to be used to extrapolate the data to other postulated conditions is also presented.

3.4.5.1.2 Background

Dryout in a heat generating debris bed takes place when the local bed temperature increases above the saturation temperature of the liquid. At that point, a debris bed would not be self-cooled any longer and the bed temperature may reach the melting temperature of the debris.

Most of the previously reported bed dryout studies were directed at LMFBR technology, where small particle size and relatively shallow beds

are of interest. Beds deeper than ~ 10 cm were of no interest since such beds could become critical again. The resulting particle size distribution in an LMFBR debris bed is a consequence of a molten fuel-coolant interaction[1], producing fine particles (smaller than 1 mm) when equal masses of liquid and molten fuel are intermixed.

Since recriticality cannot take place in a debris bed formed in PWR cases, it is of interest to study debris beds considerably deeper than 10 cm. The particle size distribution in a PWR is expected to consist of more coarse particles than for LMFBR. These essential differences between PWR and LMFBR debris beds, and the fact that correlations for dryout heat flux were derived[1,2,4,5] from LMFBR related data necessitated the broadening of the data base and modification of the previous correlations.

3.4.5.1.3 Parameters Affecting Bed Dryout

The following parameters will affect the power at which bed dryout will be initiated.

(a) Particle characteristics, i.e. particle size, shape, roughness, density and distribution. These parameters affect primarily the local bed porosity and heat transfer.

(b) Bed depth - affecting the overall resistance to fluid flow through the bed and therefore the ability of an overlying liquid to penetrate into the bed.

(c) Bed power density - determined by the nominal power density of the reactor, the type of the reactor and the time after reactor shutdown. In simulation tests where the power in the bed is generated by an RF generator, the resulting power distribution is not as uniform as that generated in the reactor by decay heat.

(d) Insulated or cooled bottom - the debris bed in the reactor and in the simulation test may rest on an insulated tray, or on a cooled

surface in which case the dryout heat flux may be significantly higher.

(e) Liquid subcooling - the degree of subcooling of the liquid column above the bed has a significant effect on the upper portion of the bed. The boiling intensity is reduced and hence channels reaching the bed-liquid interface are not as deep. This effect should be negligible in very deep beds, and pronounced in shallow beds. Another effect of liquid subcooling is exhibited in the extra power required to reach saturation, i.e., $c_p \Delta T/h_{fg}$. This effect is small in water but may be large in sodium.

(f) Height of liquid column above the bed - there is some evidence[6] that the heat transfer characteristics of the debris bed depends on the liquid column height, when the column height is smaller than bed depth.

(g) Liquid properties - bed dryout correlations include the thermophysical properties of the liquid which are in turn strong function of pressure.

(h) Geometric scale - dryout simulation tests have been conducted in small bed diameter (4.6 cm and 10.2 cm) and conclusions were drawn to full size core. Bed diameter does not have an effect on bed dryout[7] as long as the bed diameter is considerably larger than the particle diameter. Dryout heat flux should not depend on bed depth for deep beds.

(i) Coolant accessibility for bed cooling - if a design feature for bed cooling is incorporated, it may result in different bed dryout characteristics, or no bed dryout at all.

3.4.5.1.4 Prediction of Bed Dryout

An early attempt to predict bed dryout for LMFBR technology resulted in a purely empirical correlations[1]. Dhir and Catton[2] have distin-

guished between deep and shallow beds and derived semiempirical correlation for both regimes. Their derivation considers laminar flow through a packed bed in which case the average superficial velocity through the bed is given by

$$u = \frac{K}{\mu_f} (\rho_f - \rho_g) \; g \tag{1}$$

where the bed permeability, K, is given by

$$K = \frac{d^2}{180} \left(\frac{\varepsilon^3}{(1-\varepsilon)^2} \right) \tag{2}$$

ε is the bed porosity, ρ_f is the liquid density, ρ_g is the vapor density, μ_f is the liquid viscosity and d is the average particle diameter. The dryout flux is found by substituting the velocity u into Equation (3),

$$q_d = \rho_f \, h_{fg} \; u = \left[\frac{K \rho_f h_{fg}}{\mu_f} \right] (\rho_f - \rho_g) g \tag{3}$$

When Equation (3) is nondimensionalized with respect to Zuber's dryout heat flux expression for a flat plate heater,

$$q_z = \frac{\pi}{24} h_{fg} \left(\rho_g\right)^{1/2} \left(\sigma g (\rho_f - \rho_g)\right)^{1/4} \tag{4}$$

there results the nondimensional dryout flux,

$$\frac{q_d}{q_z} = C_1 K_1 \Gamma^{1/2} (d^1)^2 \, M \tag{5}$$

where,

$$K_1 = \frac{\varepsilon^3}{(1-\varepsilon)^2}$$

$$\Gamma = \rho_f / \rho_g$$

$$M = \left(\frac{\rho_f^2 \, \sigma^3}{\mu_f^4 \, (\rho_f - \rho_g) g} \right)^{1/4}$$

$$d^1 = \frac{d}{\left(\frac{\sigma}{(\rho_f - \rho_g) g} \right)^{1/2}}$$

C_1 = constant to be determined from experimentation.

The expression (q_d/q_z) is the bed dryout flux in a deep bed which is either bottom heated or inductively heated.

The derivation of dryout flux in a shallow bed assumes channel formation and flow instability in those channels from which dryout flux is derived in terms of two experimental constants. Shallow bed dryout is of no interest however to PWR technology.

The effect of liquid subcooling on bed dryout was estimated by[4,5,8]

$$\frac{(q_d)_{sub}}{(q_d)_{sat}} = 1 + \frac{c_p \Delta T_{sub}}{h_{fg}} \tag{6}$$

where ΔT_{sub} is the liquid subcooling.

The effect of bottom cooling was estimated[4,8] by calculating a bed depth L_o which is affected by conduction through the bottom

$$L_o = \frac{q}{Q_v(1-\varepsilon)} \tag{7}$$

where q is the heat flux at the bottom, and Q_v is the volumetric heat generation rate. The heat generation rate Q_v for a bed of depth L, at dryout can then be calculated by substituting Eq.(7) into Eq.(5). The result is[8]

$$Q_{vd} = \frac{C_3}{L - \left[\frac{q}{Q_{vd}(1-\varepsilon)}\right]} \left[\frac{\varepsilon}{(1-\varepsilon)}\right]^3 d^2 \tag{8}$$

where C_3 is an empirical constant which depends on the thermophysical properties of the fluid.

Hardee and Nilson[5] have developed a dryout flux model for the laminar flow regime which does not require any empirical constant.

In their model, the energy equation is given by

$$\gamma\rho_\ell U_\ell c_p \Delta T + (1-\gamma)\ U_v\ \rho_v h_{fg} = Q'L \tag{9}$$

where γ is the liquid volume fraction, ΔT is the temperature difference between the bottom and top of the bed, U_ℓ and U_v are the liquid and vapor velocities respectively, Q' is the volumetric heat generation in the bed and L is bed depth.

Equation (9) was combined with the continuity equation,

$$\gamma\rho_\ell U_\ell = (1-\gamma)\ \rho_v\ U_v \tag{10}$$

and with Darcy's law

$$U_\ell = \frac{K}{\mu_\ell} \cdot \left(\rho_\ell g - \frac{dp}{dx}\right) \tag{11}$$

$$U_v = \frac{K}{\mu_v} \cdot \left(\frac{dp}{dx} - \rho_v g\right) \simeq \frac{K}{\mu_v}\left(\frac{dp}{dx}\right) \tag{12}$$

to give,

$$Q' = \frac{(c_p \Delta T + h_{fg}) g K \rho_\ell}{L(\nu_\ell + \frac{\gamma}{1-\gamma}\ \nu_v)} \tag{13}$$

where ν_ℓ and ν_v are the kinematic viscosities of the liquid and vapor respectively.

The maximum heat generation rate in the bed was determined by maximizing Eq. (13)

$$\frac{d}{d\gamma}\left[\frac{Q'L}{c_p\Delta T + h_{fg}}\right] = 0$$

yielding,

$$\gamma = \frac{1}{\left(\frac{\nu_v}{\nu_\ell}\right)^{1/2} + 1}$$

The dryout generation rate is found by substituting Eq. (14) into Eq. (13) yielding,

$$Q'_d = \frac{gKh_{fg}\rho_\ell}{L\nu_v} \quad \frac{\left[1 + c_p\Delta T/h_{fg}\right]}{\left[1 + (\nu_\ell/\nu_v)^{1/2}\right]^2} \tag{15}$$

In the above derivation, the relative permeabilities of the liquid and vapor were assumed given by,

$$\begin{aligned} K_\ell &= \gamma \\ K_v &= 1 - \gamma \end{aligned} \tag{16}$$

Other expressions for K_ℓ and K_v are published in the literature[9] which would yield somewhat different values for Q'_d but make the solution more difficult.

Rivard[4] has used Hardee and Nilson model[5] with some success to interpret his in-pile data, (Rivard has modified the model to include heat loss through the bottom by using an expression similar to Eq. (7)).

Epstein et. al.[10] have suggested a contiguous flow model in which the liquid and vapor phases are in intimate contact, in contrast to Hardee and Nilson model which considered separated-phase flow.

The resulting heat flux becomes,[10]

$$\frac{q\nu_v}{h_{fg}K\,(\rho_\ell-\rho_g)\,g} = \frac{1-\alpha}{\dfrac{1}{\alpha^2} + \dfrac{\nu_\ell}{\nu_v}\dfrac{1}{(1-\alpha)^2}} \tag{17}$$

where α is the vapor void fraction.

When q from Eq. (17) is maximized with respect to α there results,

$$2 - 7\alpha + 8\alpha^2 - 3(1 + \nu_\ell/\nu_v)\alpha^3 = 0 \tag{18}$$

The dryout heat flux is obtained by solving Eq. (17) using values of the vapor void fraction α from Eq. (18).

None of the models mentioned above has considered flow through the beds at velocities higher than those which may be treated by Darcy's law.

Since the particle size in PWR could be coarser than ~ 1 mm it is quite possible that the above mentioned models cannot be extrapolated to large particle size.

In addition, it is possible that the heat flux in a large particle bed would be limited by the critical heat flux by virtue of the fact that liquid would be unable to reach the bed due to a large vapor flow emerging from the bed. Our early experimental data have demonstrated that this is indeed the case and that modification to the theories was required.

A modified analysis was published recently by Lipinski[11] who updated the Hardee and Nilson[5] model to include turbulent terms in the momentum equation and capillary pressure using the Leverett[9] function.

The equations solved by Lipinski were

$$\frac{\rho_v}{\eta\eta_v} V_v^2 + \frac{\mu_v}{KK_v} V_v - \frac{\Delta P_v}{L} + \rho_v g = 0 \tag{19}$$

$$- \frac{\rho_\ell}{\eta\eta_\ell} V_\ell^2 - \frac{\mu_\ell}{KK_\ell} V_\ell - \frac{\Delta P_\ell}{L} + \rho_\ell g = 0 \tag{20}$$

$$\rho_v V_v h_{fg} = Q'L \tag{21}$$

$$\rho_v V_v - \rho_\ell V_\ell = 0 \tag{22}$$

and

$$\Delta P_v - \Delta P_\ell = \sigma\left(\frac{\varepsilon}{5K}\right)^{1/2}$$

where V is superficial velocity, μ is dynamic viscosity, ΔP is pressure drop across the bed, σ is surface tension, K is permeability,

K_v and K_ℓ are relative permeabilities, η, η_v and η_ℓ are similar factors for turbulent flow, and the subscripts v and ℓ refer to vapor and liquid respectively.

The permeability K is given by Eq. (2) and its turbulent counterpart is given by

$$\eta = \frac{d}{1.75}\left(\frac{\varepsilon^3}{1-\varepsilon}\right) \tag{24}$$

The relative permeabilities are given by [9]

$$K_v = 1 - 1.11\gamma \tag{25}$$

$$K_\ell = \gamma^3 \tag{26}$$

where γ is the average liquid fraction in the bed.

The turbulent specific permeabilities were chosen by Lipinski as

$$\eta_v = (1 - \gamma)^3 \tag{27}$$

$$\eta_\ell = \gamma^3$$

The solution to Equations (19) through (27) was given by Lipinski as

$$q = \rho_v h_{fg} \left[\left(V_L^2+V_T^2\right)^{1/2} - V_L\right] \tag{28}$$

where

$$V_L = \frac{\eta}{2K\rho_v}\left(\frac{\nu_v}{K_v} + \frac{\nu_\ell}{K_\ell}\right)\Bigg/\left(\frac{1}{\rho_v\eta_v} + \frac{1}{\rho_\ell\eta_\ell}\right) \tag{29}$$

$$V_T = \left[\frac{\eta(\rho_\ell-\rho_v)g}{\rho_v^2}(1+\lambda_c/L)\Big/\left(\frac{1}{\rho_v\eta_v}+\frac{1}{\rho_\ell\eta_\ell}\right)\right]^{1/2} \tag{30}$$

$$\lambda_c = \frac{\sigma(\varepsilon/K)^{1/2}}{(5)^{1/2}(\rho_\ell-\rho_v)g} \tag{31}$$

ν is the kinematic viscosity and q is the heat flux through the top of the bed.

The dryout flux is obtained by maximizing q given by Eq. (28) with respect to γ. The dependence of dryout flux on bed depth in Lipinski's model is a consequence of capillary effects as given by Equations (23) and (31). Lipinski's adaptation of the Leverett function is approximate and the actual Leverett function was derived for soil data, hence it appears that although capillary forces may have an effect on dryout flux, its effect in Lipinski's model is too large and is not quite supported by our data.

In particular, it is not expected that capillary forces will have any effect at particle diameter d > 2 mm, whereas Lipinski's model does indicate capillary effect at particles as large as 6.35 mm.

Furthermore, Lipinski's analysis does not account for counterflow instability limit from which the critical heat flux criterion is derived. Therefore Lipinski's prediction can exceed the critical heat flux limit on a flat plate.

We have evaluated all of the above mentioned models by comparing them with our newly obtained data. The dryout data which cover a range of particle diameter between 0.50 mm to 6.35 mm are shown in Figure 1 and are summarized in Supplement A.

A comparison between the data and the models is shown in Figure 2 where the data points correspond to deep bed dryout. In deep beds, the dryout flux is no longer a function of bed depth and our data trend clearly support this presumption (see Figure 1).

Figure 2 indicates that Lipinski's model[11] best predicts the data trend and magnitude.

3.4.5.2 Experimental Description

3.4.5.2.1 Test Facility Description

The testing was conducted using a quartz test vessel having nominal dimensions of 559 mm in length and an inside diameter of 102 mm. The bottom was a 6-mm quartz disc fastened to the cylinder with silicone rubber sealant. Early models utilizing fused quartz bases were short lived.

Instrumentation was provided by stainless steel sheathed Chromel-Alumel thermocouples. Three thermocouples were located 6 mm from the bottom. These three thermocouples were introduced through holes in the bottom of the vessel and sealed with an epoxy adhesive. Six other thermocouples were distributed throughout the bed and were introduced from the top. The positioning of these thermocouples varied with bed depth. In addition to the bed thermocouples, three thermocouples were positioned above the bed for the purpose of measuring the water temperature above the bed. Typical bed and the thermocouple placement are shown in Figure 3.

A coil of copper tubing in the top 150 mm of the test vessel was used to circulate cold water for condensing the steam vapors and for subcooled tests. Thermocouples at the entrance and exit of this cooling coil provided a measure of the power absorbed by the bed under steady state conditions. Power for the experiment was provided by a 450 kHz Westinghouse RF generator. The experimental apparatus is shown in Figure 4.

Data acquisition for the tests was provided by a Fluke model 2240B data logger. All thermocouples were scanned every three seconds. These measurements were transmitted to a PDP-11/70 computer connected to the data logger by means of a telephone line and stored. A computer code produced a printout of each reading and calculated the power measured by the cooling coil and also produced a plot of all temperatures versus time on a Calcomp plotter.

The small size particles (0.5 to 0.6 mm) were stainless steel shot whereas the other three sizes were stainless steel ball bearings. Before testing, all particles were oxidized in a steam atmosphere to deposit an electrically insulating layer on the surface of each particle. This was necessary to eliminate arcing from particle to particle which produced localized areas of high temperature, and in order to obtain a more uniform heating throughout the bed. This oxidation process was effective for all particles except the 6.3 mm diameter balls. With this size, the oxidizing was insufficient to eliminate arcing. The problem was solved by painting the balls with a high temperature paint. This provided sufficient electrical insulation to eliminate the arcing.

3.4.5.2.2 Testing Procedure

The basic testing routine was the same for each size particle. A five inch bed was installed in the quartz vessel, a measured amount of water added to fill the void in the bed and testing proceeded. An arbitrary power setting was set on the machine and the power maintained constant for a test.

After observing the bed thermocouples for a time period, typically 5 to 12 minutes, it was evident whether or not bed dryout had occurred. If no bed dryout would occur, all the bed thermocouples would be at the saturation temperature. If bed dryout did occur, the readings from one or more thermocouples would rise above the saturation temperature, and would, in general, continue to increase until the power was switched off. After the power was switched off, the bed was allowed to cool to

at least 100°F before starting another test at a different power setting. Power settings were chosen until one produced dryout while another, relatively close in power, did not. The purpose of cooling between tests was to provide information of the rate of temperature rise in the bed. This information provided an independent measure of the power absorbed by the bed.

Threshold dryout is defined in this report as the power at which at least two thermocouples indicated temperatures above the saturation temperature; while at the next lowest power setting, no thermocouple heatup was observed. Dryout powers calculated from the subcooled bed heatup rates were compared with the cooling coil temperature rise. Agreement was usually within 10 percent, with the coil usually lower indicating that additional heat loss, although small, was present. Once dryout occurred, and energy could be stored in the bed, the cooling coil data could no longer be used as a check on the bed power. A description of the calculation used to obtain the dryout power is given in Supplement B.

3.4.5.2.3 Test Matrix

The ranges of conditions and the specific particle sizes tested are given in Table 1. All tests were done at atmospheric pressure. Several tests were repeated to verify both the subcooling effects and the method of calculating the dryout power. The repeated tests showed little scatter, and the power calibration tests indicated that the dryout power is usually measured to with 10 percent.

3.4.5.3 Data Analysis and Discussion

The resulting verified threshold debris bed dryout data from the experiments are given in Tables A-1 to A-3 for the different parameters investigated in the test matrix. These same data are plotted against bed depth in Figure 1 for the different particle sizes. The saturated cooling cases had very little water above the bed. The following conclusions may be drawn from the data presented in Figure 1: (a) deep beds,

defined as the bed depth beyond which the heat flux is independent of bed depth, is achieved at 13 cm deep bed for particle sizes of 500 μm to 600 μm and at deeper bed depth for larger particle size (∿ 28 cm deep bed for 2840 μm particles); (b) dryout flux for particle sizes larger than ∿ 4000 μm is higher than Zuber's prediction of the critical heat flux on a flat plate but within the data scatter for CHF (see Figures 1 and 2); (c) the effect of water subcooling on deep bed dryout is small (of the order of $c_p \Delta T/h_{fg}$) and is within the data scatter. As the data indicates, the deep bed limit has been achieved within experimental data scatter such that if the bed were significantly deeper, no change in the bed dryout heat flux would occur. This is particularly important for the PWR reactor situation where the debris bed could be several feet thick.

Figure 1 also shows data from two different diameter (4.6 cm and 10.2 cm) debris beds using similar particle size ranges (0.5 to 0.6 mm). As the figure indicates, the data from the two different beds overlap and lie within the experimental uncertainty such that there is no apparent bed diameter dependency in the data. This increases the confidence in applying these results to larger diameter beds.

It is also apparent from Figure 1 that as the particle size increases above 2.84 mm, the dryout heat flux can equal that of Zuber's expression of a flat plate pool boiling critical heat flux (q_z).

The different debris bed dryout heat flux models are shown in Figure 2 along with the deep bed data from this study.

The following conclusions may be drawn from this figure: (a) Dhir and Catton's model[2] and Hardee and Nilson's model[5] can predict deep bed dryout flux at atmospheric pressure and at dryout powers smaller than ∿ 0.7 q_z. They overpredict considerably the dryout flux at $q_d > 0.7\ q_z$; (b) Epstein's model[10] underpredicts the dryout flux at small particle diameter and can not be extrapolated to $q_d > q_z$; (c) Lipinski's model[11] yields the best prediction of the data trend and magnitude. It falls somewhat below the data at small particle size,

and somewhat above the data at large particle sizes. Of all the models considered, it appears that the Lipinski model give the best fit to the data trends observed in these experiments. The Hardee-Nilson model agrees reasonably well with the small particle data but overpredicts the larger particle data up to the Zuber CHF point.

A series of experiments were conducted using a mixture of the 0.55 mm and 6.35 mm particles to see what the bed dryout power would be for a particle mixture. The resulting mixture is shown in Figure 5. It can be seen from the figure that the small particles easily fill the voids between the large painted 6.35 mm particles (shown as white in the photograph). The boiling action in the bed as well as the filling process caused the smaller particles to fill the large particle voids resulting in a packed bed of low porosity.

These two particle sizes were combined such that the effective particle diameter method recommended by Leva[13] should yield an effective particle size of 2.84 mm for which we had experimental dryout data. In this fashion, we could experimentally test the particle diameter hypothesis. However, since the small particles would settle as shown in Figure 5, the effective particle size was calculated to be 1.91 mm. The mixture bed porosity was also experimentally determined and found to have decreased significantly below the porosity of the separate components. If the new porosity and the effective particle diameter were used in the Lipinski correlation, it could reasonably predict the measured mixture debris bed dryout heat flux for this mixture. Application of the Lipinski model to other bed mixtures must still be experimentally verified.

Two experiments were conducted, one with the small particles filling approximately five (5) inches of the total bed height, and a second experiment with the entire bed (11 inches) filled with the mixture. The dryout heat flux for the 5-inch and 11-inch mixed bed depth was approximately the same as that for the 0.55 mm particle. The dryout heat flux for these points are shown on Figure 1 along with the other test data. These experimental results indicate that for beds with large differences

in particle diameters (such that the small particles fill the void between the large particles), the small particles will dominate such that the resulting heat flux will be closer to that of the smaller particle size.

All of the above debris bed dryout data was obtained at atmospheric pressure conditions. However, all of the postulated accident conditions in which one is concerned about debris bed coolability are at elevated pressures as shown in Table 2. The pressures shown in these cases are for pressures just before the melt falls into the bottom of the reactor vessel or into the reactor vessel cavity. Therefore, it is desirable to scale the experimental debris bed dryout heat flux to pressures more typical of the accident scenarios which are being investigated. Since the pool boiling heat flux increases sharply with pressure from atmospheric pressure, a similar trend is expected for the debris bed dryout heat flux since the same heat transfer and counterflow mechanisms exist in both cases. Of all the debris bed dryout models which were examined, it appears that the Lipinski model represents the debris bed data best. The Lipinski model also includes a pressure effect which is very similar to that of the Zuber flat plate pool boiling critical heat flux correlation as shown in Figure 6. Therefore, the approach used to scale the experimental data was to calculate the Lipinski dryout heat flux at the desired pressure, divide it by the atmospheric value and use this ratio to increase the experimental debris bed data for elevated pressures. While this procedure does require additional confirmation, the fact that the Lipinski model pressure effect is the same as the Zuber's correlation gives confidence that this approach can be used.

In order to determine the time at which a debris bed would be coolable, the decay power in the core was calculated. The decay power for a PWR following an accident has been calculated assuming

a) one year operation,

b) 70 percent of the fission products are nonvolatile,

c) plant power is 3025 MW_t,

d) reactor vessel is 193 inches in diameter, and

e) the reactor vessel cavity has 400 ft^2 of surface area which is uniformly filled with debris.

The resulting decay power converted to heat flux using either the reactor vessel cross-sectional area (203 ft^2) or the reactor vessel cavity area (400 ft^2) is shown in Figure 7. Also shown is the experimentally determined debris bed dryout heat flux at atmospheric pressure. As this figure indicates, if sufficient water is available, a debris bed consisting of 2.84 mm particles is coolable after 6.6 hours in the reactor vessel, and 38.4 minutes in the reactor vessel cavity. Similar interpretation could be used for the other particle sizes and as the figure indicates, the larger the particle, the sooner the bed is coolable. The experimental heat flux values are at atmospheric pressure. If the pressure scaling approach is used as discussed above, the experimental bed dryout heat flux will increase, resulting in sooner (in time) bed coolability. Figures 8 to 11 show the resulting shift in the expected experimental debris bed dryout heat flux for the different pressures given in Table 2.

The pressure multipliers calculated using Lipinski's model are given in Table 3. As the table indicates, there is no uniform pressure increase for each particle size. This may be due to the fact that the 0.55 mm particle size is in the laminar regime for flow through the bed, while the larger particles are in the turbulent regime. It could also be caused by capillary effects at the particle size of 0.55 mm. As Figures 8 to 11 indicate, a significant increase in the debris bed dryout heat flux with pressure is observed such that debris bed coolability at earlier times should be achievable for the pressurized sequences.

Using the pressure shift, it appears that if sufficient water is available, a debris bed in the vessel would be coolable at approximately five hours for the smallest particle tested which is approximately the time

that MARCH would calculate that such a bed would be formed for the small break LOCA case. Larger particles would result in a bed which would be coolable even sooner for this case. At 2250 psia, which is typical of the transient sequences, the smallest particle bed would be coolable in vessel at approximately six hours. Again, larger particle beds would be coolable much earlier in time as indicated on the figure.

Examining the containment pressure cases, for a small or large break sequence, the smallest particle size would be coolable in the reactor vessel cavity at 21 hours at a pressure of 25 psia. If the containment back pressure was increased to 62 psia (design pressure), the smallest particle size would be coolable at four hours. This is a substantial increase when compared to the atmospheric debris bed dryout heat flux. Therefore, any back pressure effect will only further insure the debris bed coolability.

3.4.5.4 Conclusions

A study has been performed to determine if either in-vessel or ex-vessel core debris cooling is possible following a postulated accident in which core degradation occurs. In the study, existing data and analytical models were examined and additional experiments were performed to enhance the overall understanding of debris bed cooling. As a result of the various aspects of this study the following conclusions were reached:

1) A review of existing empirical and semiempirical debris bed cooling models suggests that it may not be possible to extrapolate the results to the larger particle sizes expected from a PWR core melt sequence.

2) As a result of the above conclusion, supplementary debris bed cooling experiments have been conducted to broaden the existing data base and to extend it to the larger particle sizes believed to be more typical of conditions which might result from a postulated LWR core melt sequence. The results from these tests indicate that the "Lipinski model" best represents the data obtained, particularly at the larger particle sizes.

3) In one of the debris bed experiments, a mixture of the smallest (0.55 mm) and largest (6.35 mm particles) was found to give the same bed dryout heat flux as obtained with the small diameter particles (i.e., 0.55 mm). This would appear to contradict the theory used by some experimenters which would predict that the results should be representative of the "effective" particle size. However, when the mixed bed porosity is included as a parameter, the experimental results are found to be in agreement with theory for the mixture examined. It is believed that predictions of the dryout heat flux of a homogeneously mixed bed can be made if the bed porosity is known; however, additional experimental verification is needed.

4) The Lipinski correlation has been used to estimate the sensitivity of debris bed cooling to vessel containment pressure. It was found that, depending on particle size and the diameter of the bed, the time to achieve bed coolability is reduced from hours to minutes as the pressure was increased from atmospheric to higher values. Since all of the degraded core accident scenarios result in either a pressurized primary system (i.e., the vessel) or a pressurized containment, the probability of obtaining a coolable debris bed becomes greater as the pressures increases, providing there is sufficient water available in the vessel (in-vessel) or in the cavity (ex-vessel).

5) Based upon the expected pressures and particle sizes involved in a PWR core melt sequence, stable debris bed formation will occur.

3.4.5.5 References

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TABLE 1

TEST MATRIX

Bed Diameter	45.7 - 102 mm
Bed Depth	127 - 305 mm
Particle Size	0.55 - 6.35 mm
Subcooling	0 - 60°F
Extra Water	0 - 292 mm

Mixtures of different particle sizes.

TABLE 2

PRESSURES OF INTEREST FOR DEBRIS BED COOLABILITY

Accident Case	Pressure in Reactor Vessel (psia)	Pressure in Reactor Vessel Cavity (psia)
Large Break LOCA	25	25
Small Break LOCA	700	25
Transient (loss of AC Power)	2500	62

TABLE 3

PRESSURE MULTIPLIERS FOR DATA SCALING (RELATIVE TO 14.7 PSIA)

Dryout Flux Ratio Relative to Atmospheric Dryout
Using Lipinski's Model

Pressure (psia)	D_p = 0.55 mm	D_p = 2.84 mm	D_p = 6.35 mm
25	1.45	1.27	1.24
62	2.40	1.82	1.71
700	5.89	3.41	3.06
2250*	4.41	2.52	2.23

*Used instead of 2500 psia

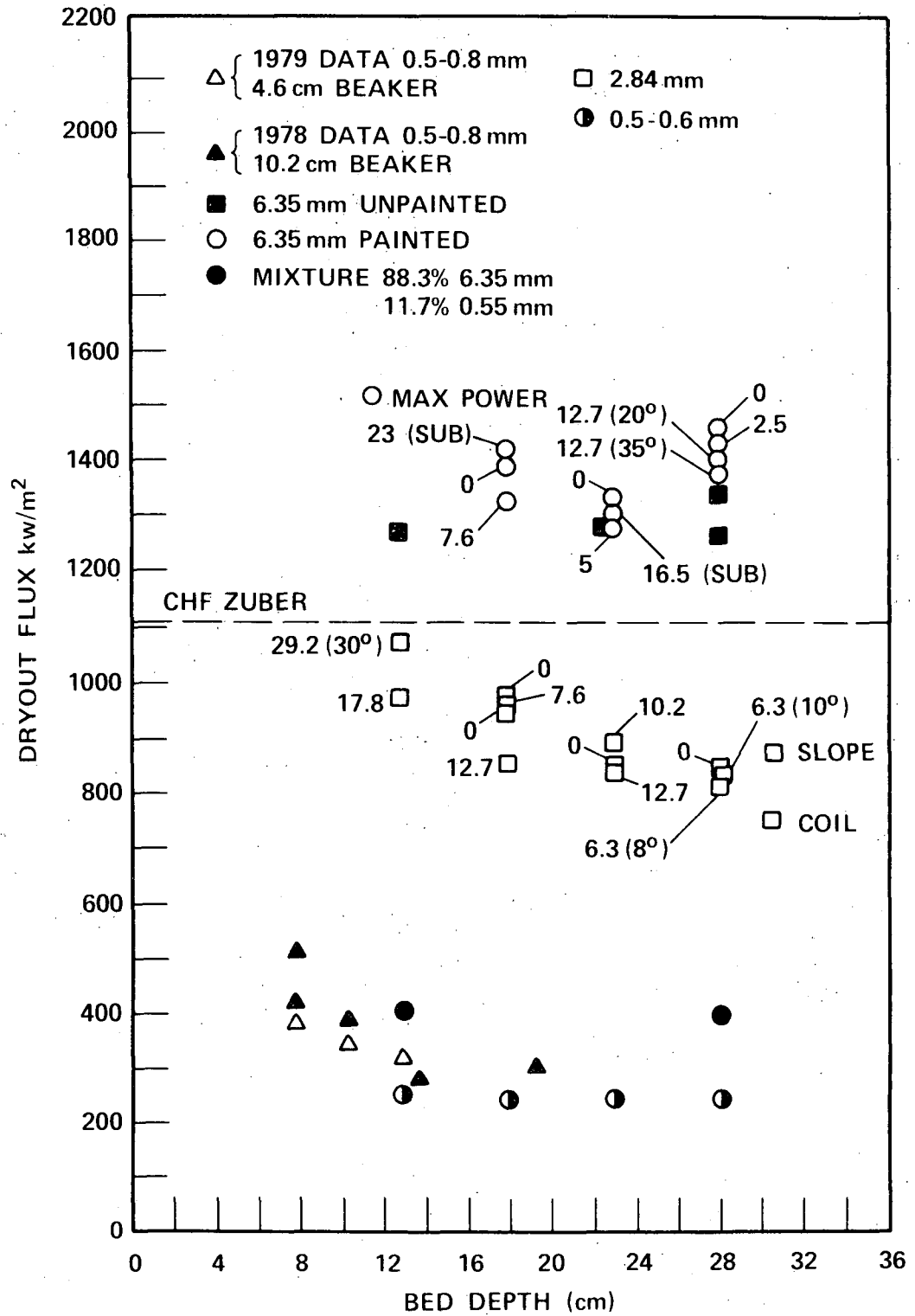


Figure 1. Treshold Dryout Heat Flux Data Obtained at the Westinghouse R & D Center by Inductively Heating Stainless Steel Particles in Water (Numbers Designate Water Level Above the Bed in cm and °F of Subcooling)

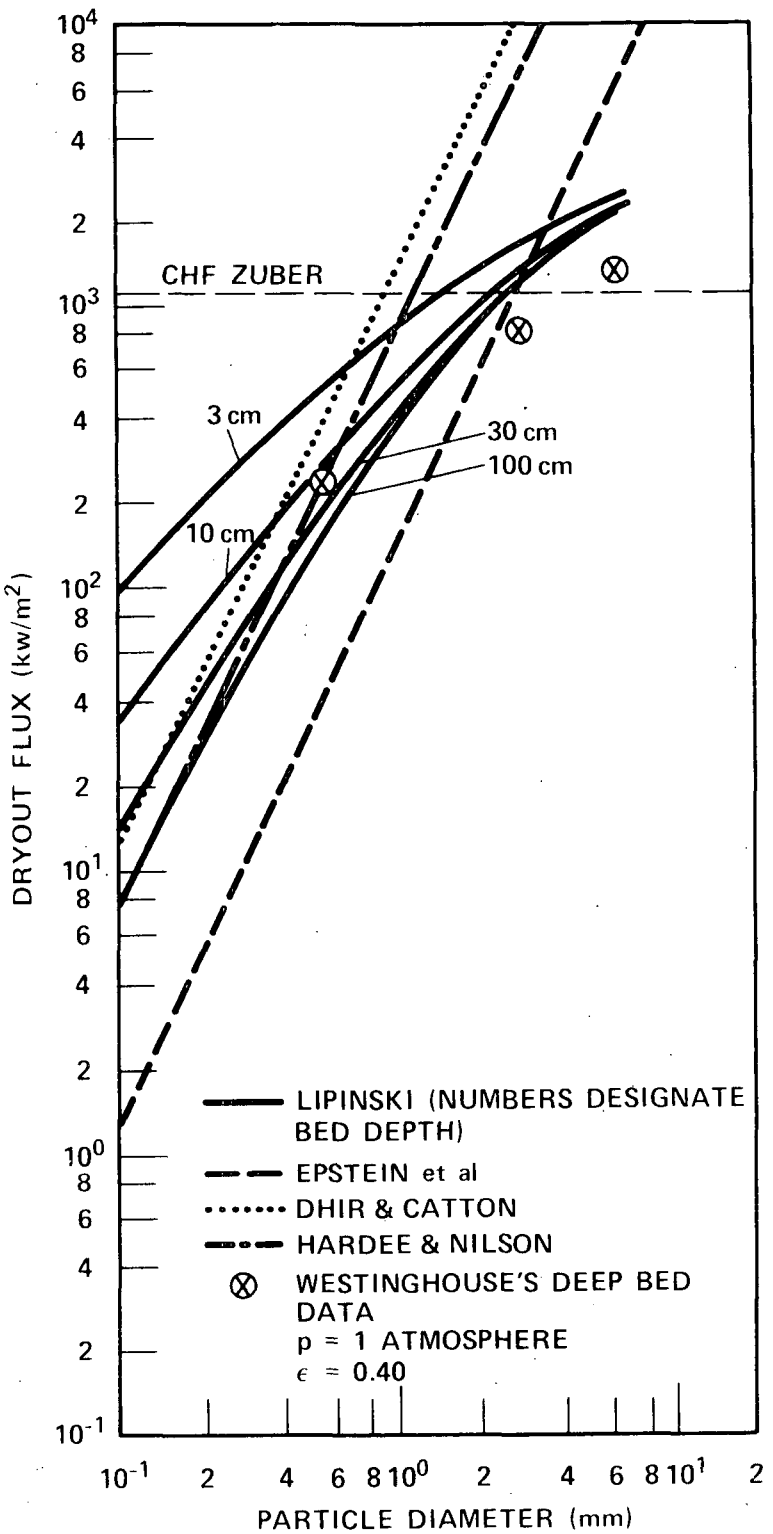


Figure 2. Theoretical Models for Dryout Heat Flux and Comparison with the Westinghouse Data

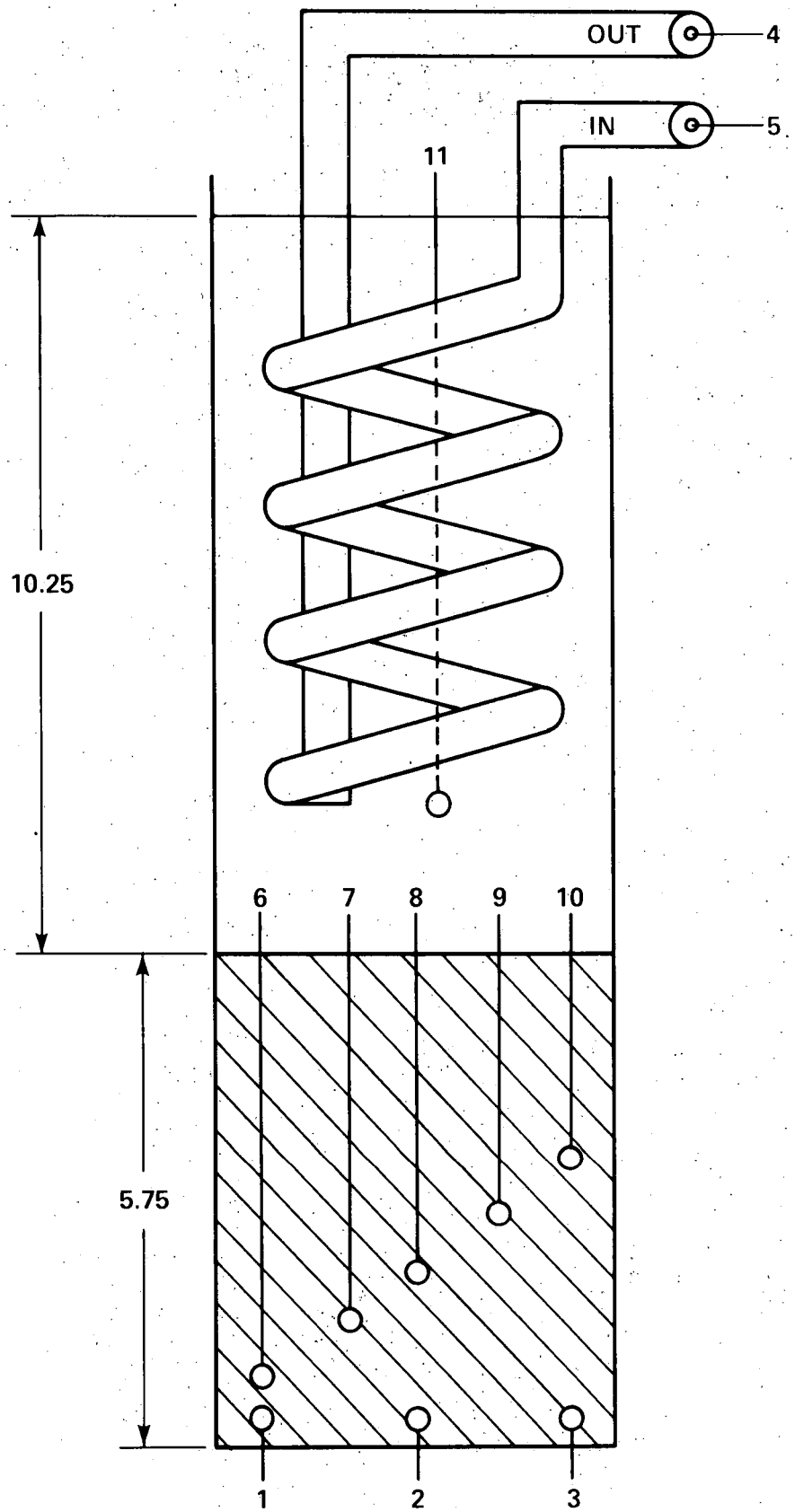


Figure 3. Typical Thermocouple Locations Debris Bed Test

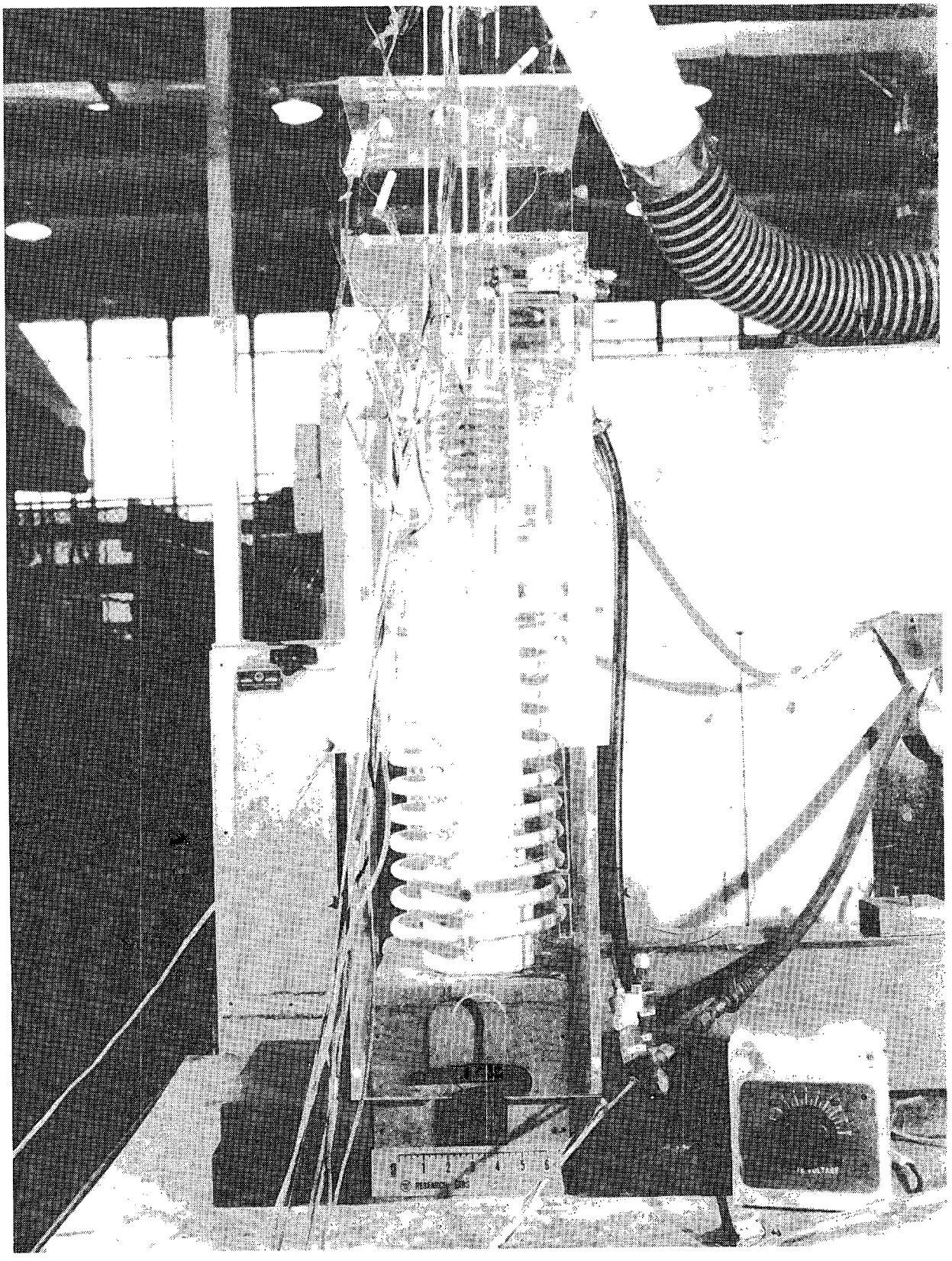


Figure 4.

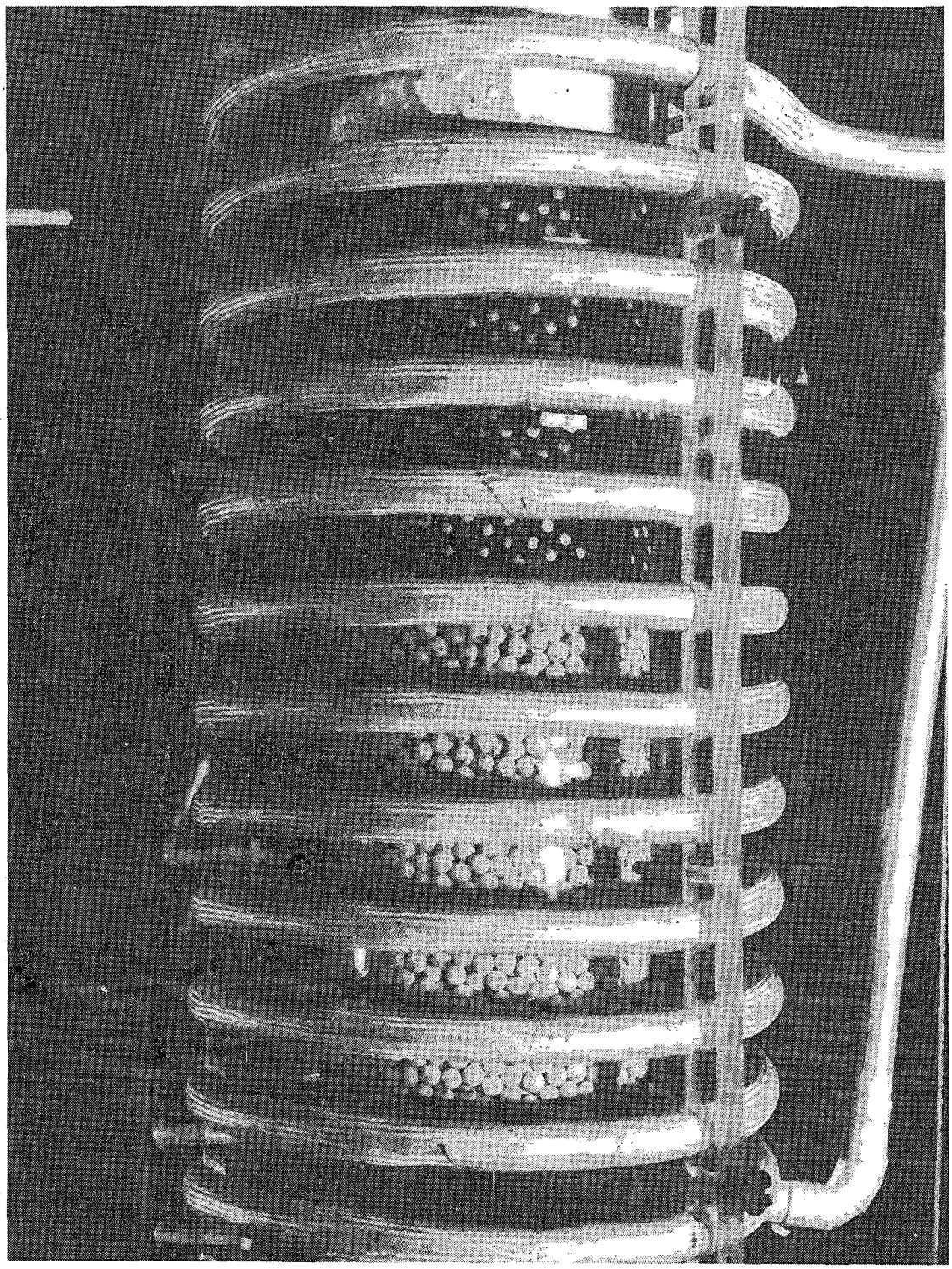


Figure 5.

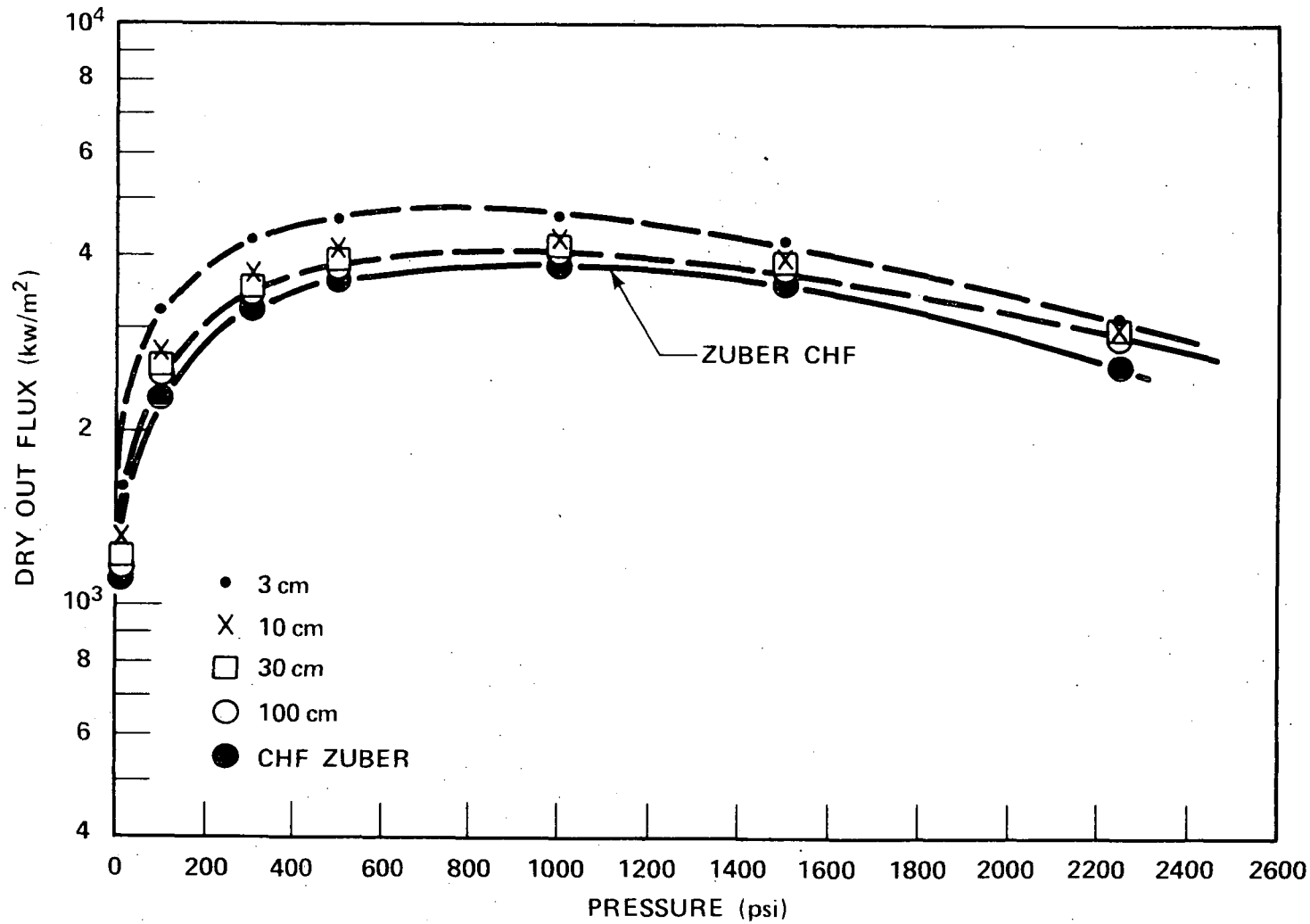


Figure 6. Pressure Effect on Debris Bed Dry Out Correlations

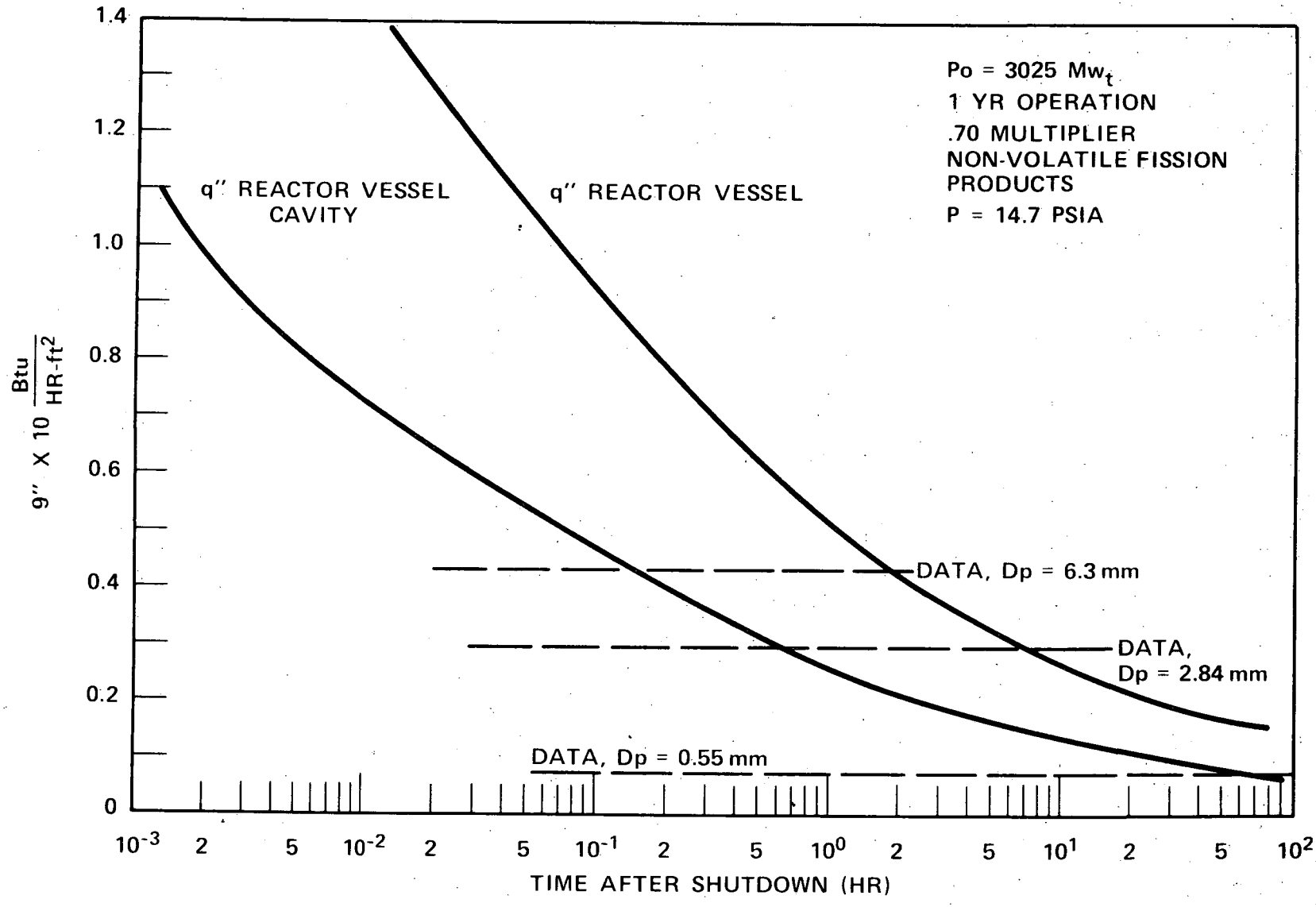
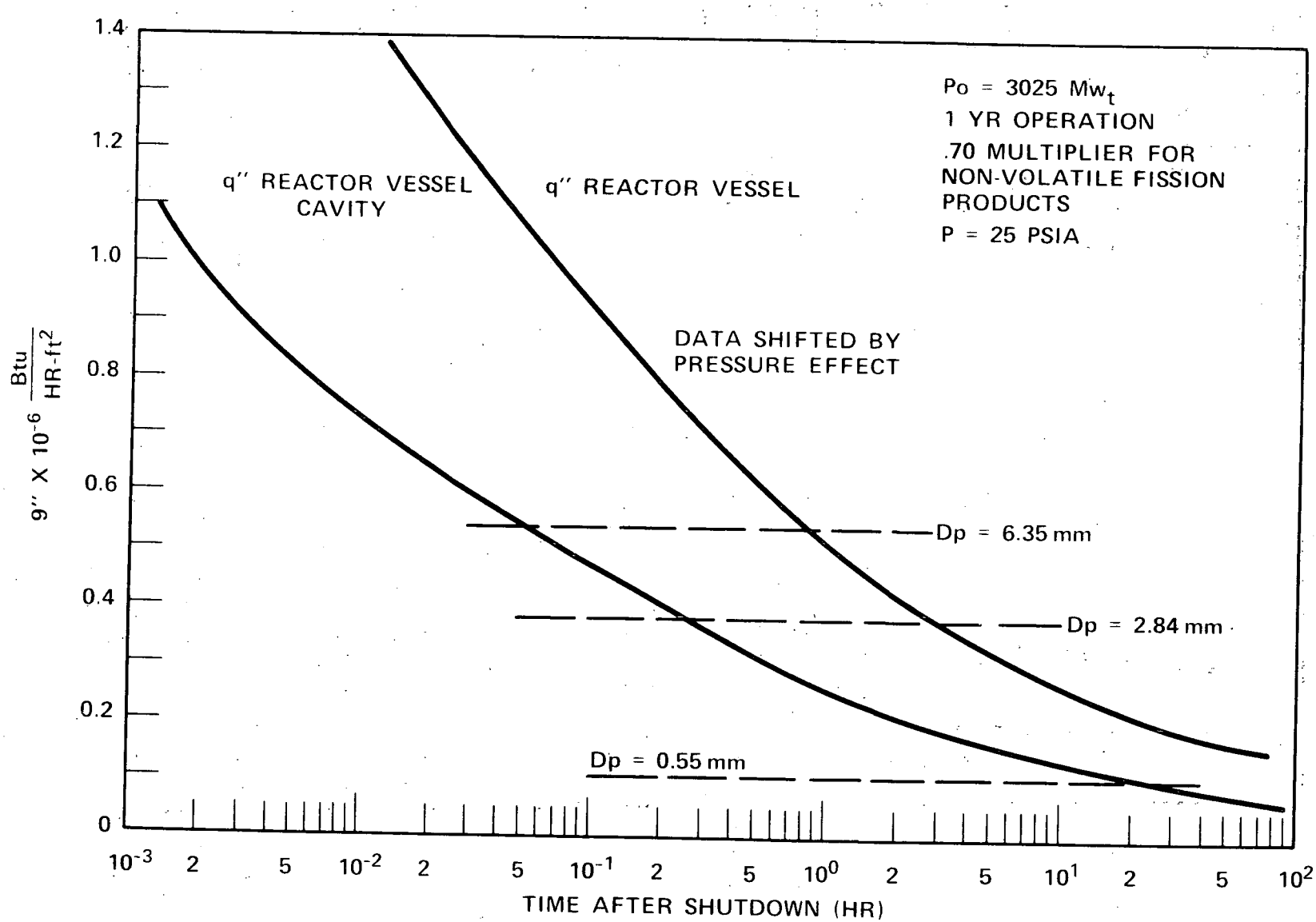

Po = 3025 Mw$_t$
1 YR OPERATION
.70 MULTIPLIER
NON-VOLATILE FISSION PRODUCTS
P = 14.7 PSIA
q'' REACTOR VESSEL CAVITY
q'' REACTOR VESSEL
DATA, Dp = 6.3 mm
DATA, Dp = 2.84 mm
DATA, Dp = 0.55 mm
q'' X 10 Btu/HR-ft^2
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
10^{-3} 2 5 10^{-2} 2 5 10^{-1} 2 5 10^{0} 2 5 10^{1} 2 5 10^{2}
TIME AFTER SHUTDOWN (HR)

Figure 7.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1 YR OPERATION
.70 MULTIPLIER FOR NON-VOLATILE FISSION PRODUCTS
P = 25 PSIA
q'' REACTOR VESSEL CAVITY
q'' REACTOR VESSEL
DATA SHIFTED BY PRESSURE EFFECT
Dp = 6.35 mm
Dp = 2.84 mm
Dp = 0.55 mm
q'' X 10^{-6} Btu/HR-ft^2
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
10^{-3} 2 5 10^{-2} 2 5 10^{-1} 2 5 10^{0} 2 5 10^{1} 2 5 10^{2}
TIME AFTER SHUTDOWN (HR)

Figure 8.

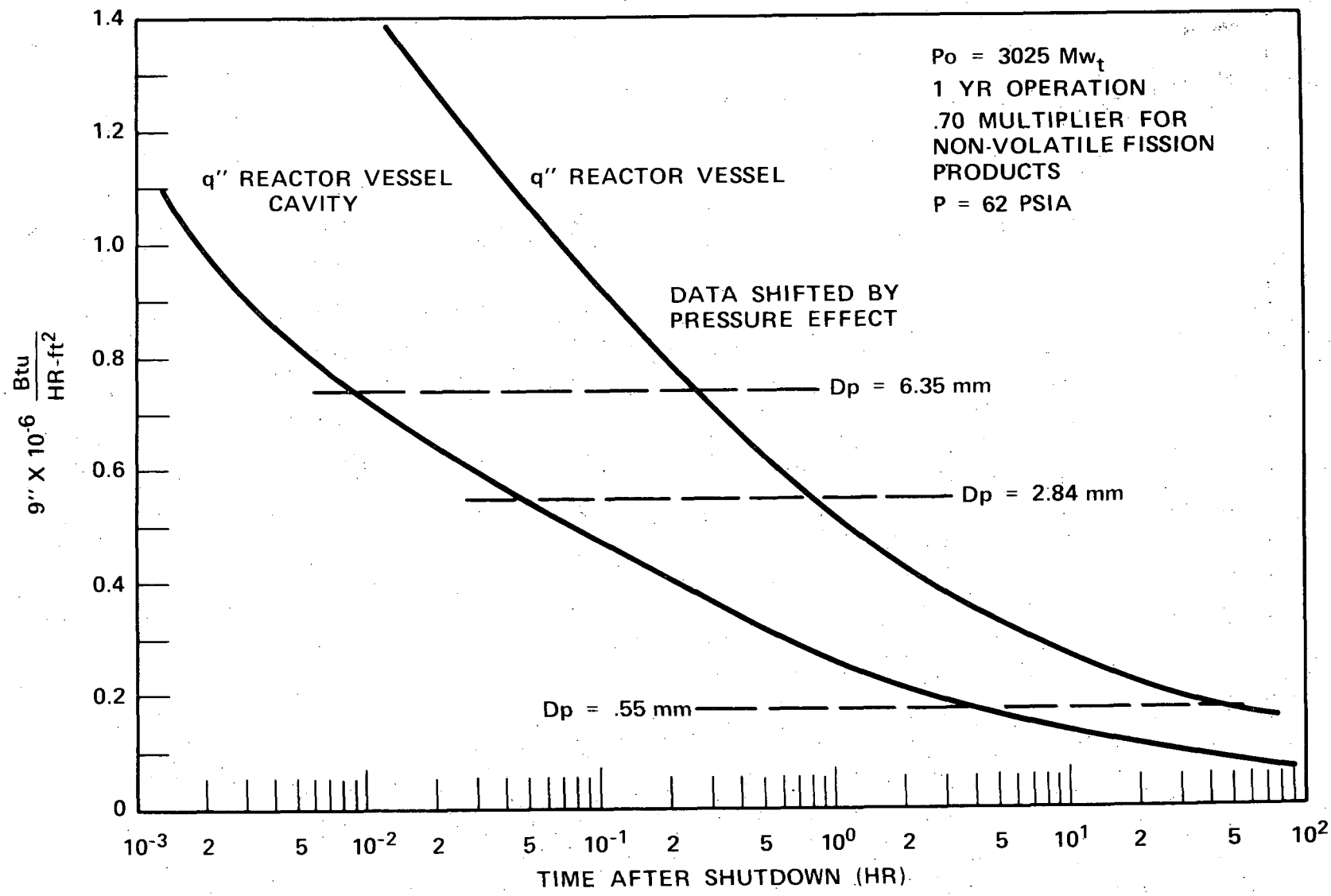
Po = 3025 Mw$_t$
1 YR OPERATION
.70 MULTIPLIER FOR NON-VOLATILE FISSION PRODUCTS
P = 62 PSIA
q'' REACTOR VESSEL CAVITY
q'' REACTOR VESSEL
DATA SHIFTED BY PRESSURE EFFECT
Dp = 6.35 mm
Dp = 2.84 mm
Dp = .55 mm
q'' X 10^{-6} Btu / HR-ft^2
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
10^{-3} 2 5 10^{-2} 2 5 10^{-1} 2 5 10^{0} 2 5 10^{1} 2 5 10^{2}
TIME AFTER SHUTDOWN (HR)

Figure 9.

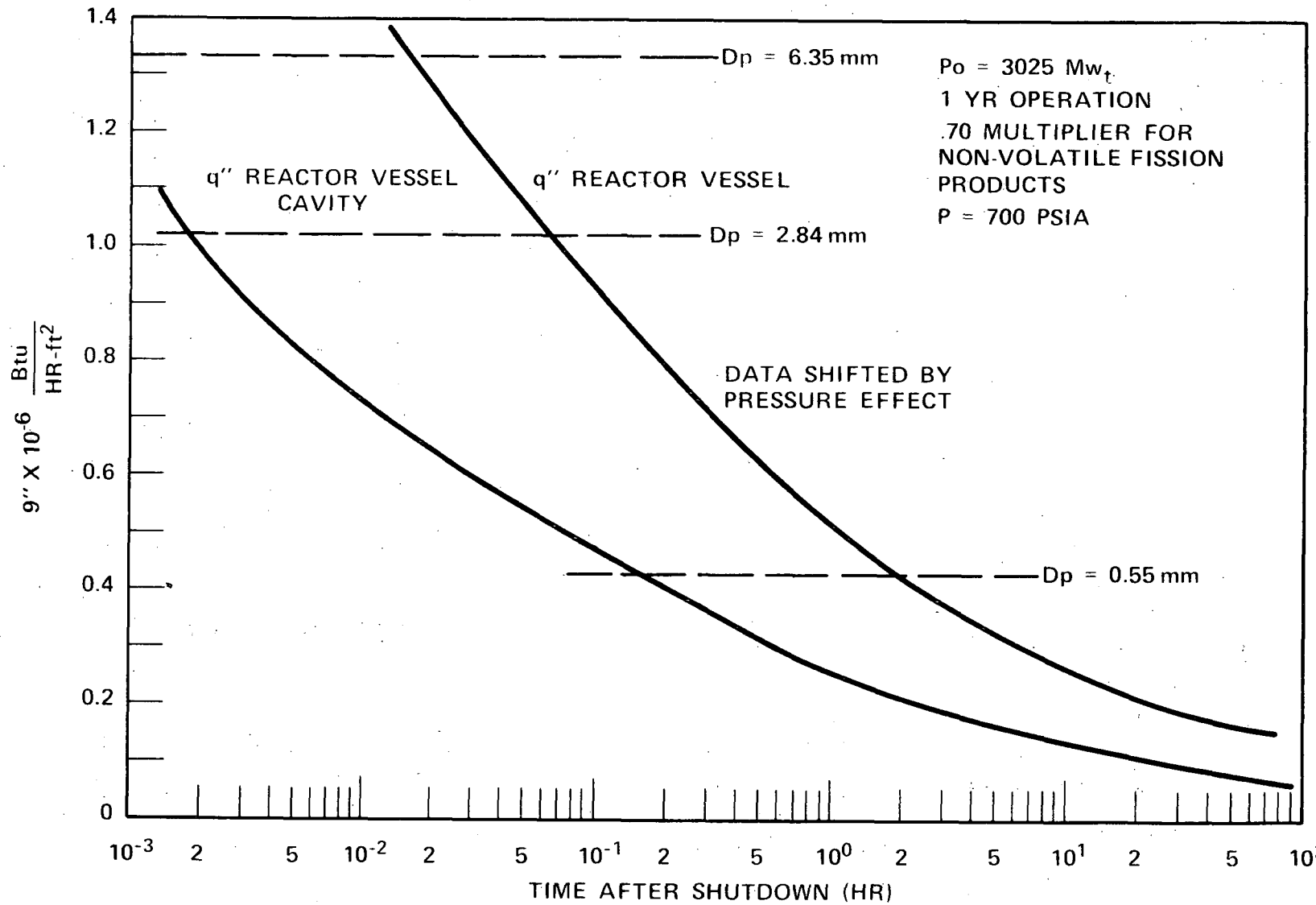
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
q'' X 10^-6 Btu / HR-ft^2
Dp = 6.35 mm
Dp = 2.84 mm
Dp = 0.55 mm
q'' REACTOR VESSEL CAVITY
q'' REACTOR VESSEL
Po = 3025 Mw_t
1 YR OPERATION
.70 MULTIPLIER FOR NON-VOLATILE FISSION PRODUCTS
P = 700 PSIA
DATA SHIFTED BY PRESSURE EFFECT
10^-3 2 5 10^-2 2 5 10^-1 2 5 10^0 2 5 10^1 2 5 10^2
TIME AFTER SHUTDOWN (HR)

Figure 10.

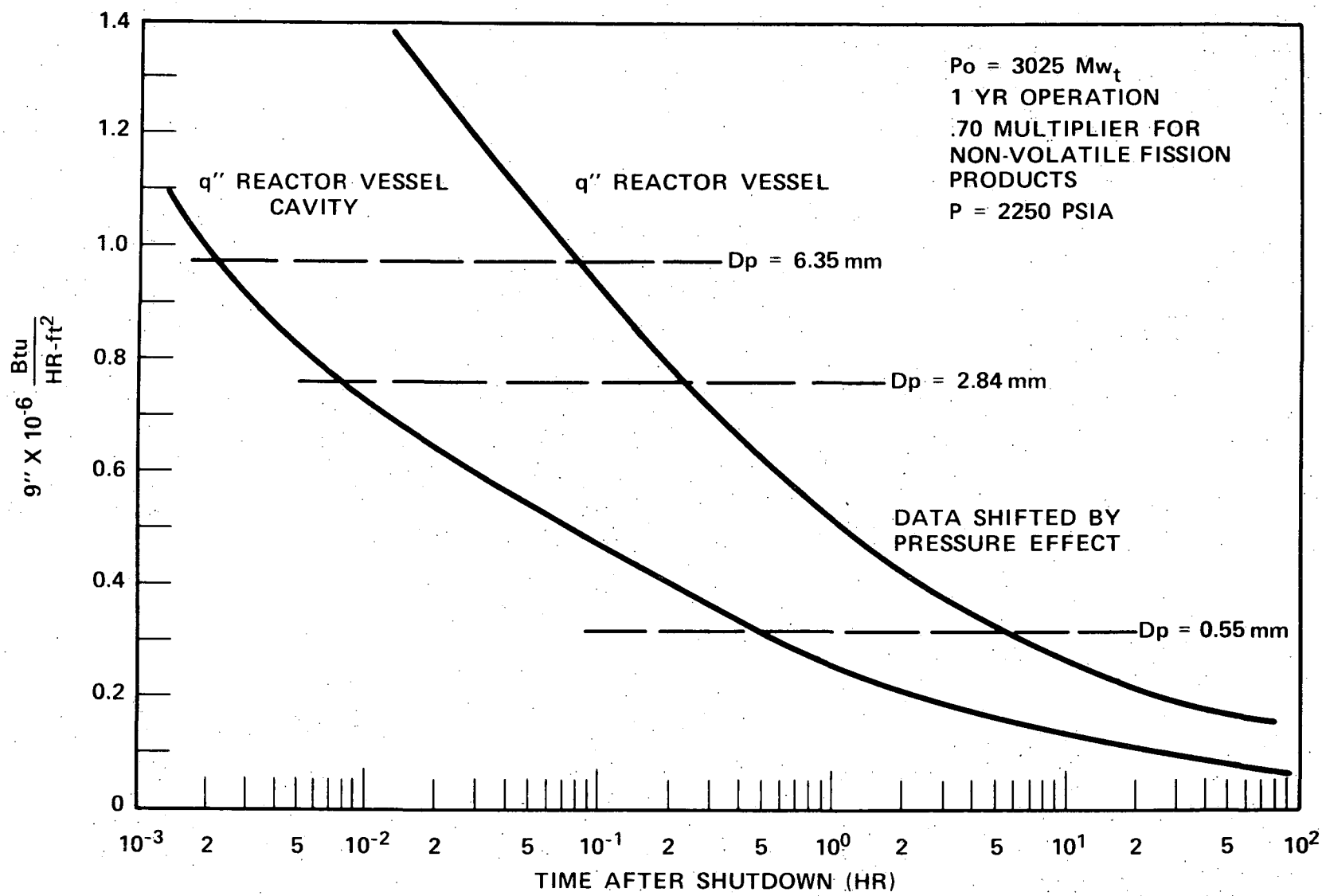
Po = 3025 Mw$_t$
1 YR OPERATION
.70 MULTIPLIER FOR NON-VOLATILE FISSION PRODUCTS
P = 2250 PSIA
q'' REACTOR VESSEL CAVITY
q'' REACTOR VESSEL
Dp = 6.35 mm
Dp = 2.84 mm
Dp = 0.55 mm
DATA SHIFTED BY PRESSURE EFFECT
q'' X 10^{-6} $\frac{Btu}{HR\text{-}ft^2}$
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
10^{-3} 2 5 10^{-2} 2 5 10^{-1} 2 5 10^{0} 2 5 10^{1} 2 5 10^{2}
TIME AFTER SHUTDOWN (HR)

Figure 11.

SUPPLEMENT A

SUMMARY OF BED DRYOUT DATA

The data was stored as blocks of temperature readings taken every three seconds. A computer code using this data calculated the power using the cooling coil inlet and outlet temperatures plus the water flow rate in the coil. A printout was produced for the entire test and a tape was created for a Calcomp plotter with all thermocouples plotted versus time.

As previously mentioned, an independent calculation was used in most instances to verify the cooling coil results. This technique involved the rate of rise of the temperature in the bed. This technique could not be automated however and all slope calculations were by hand.

In practice, the bed was divided into sections, each section represented by a thermocouple. Using the printout of data and the plots from the Calcomp plotter a rate of rise, $\Delta T^{\circ}F/\Delta\tau_{sec}$, was determined. A volume rated average of these rates was calculated and applied to the combined mass of the bed plus the water in the bed producing a power absorbed by the bed.

The comparison of these two power determination techniques showed very good agreement averaging 7 percent, ranging to 22 percent. A summary of the results is given in this supplement.

Figure A-1 is an example of the Calcomp plot for a test in which dryout did not occur. It is a subcooled test and the three thermocouples above the bed are indicating approximately 160°F.

Figure A-2 is a typical test with dryout at saturation conditions. Very fast rewetting can be seen by the rapid fall of thermocouples 6 and 7 after the power is turned off.

Figure A-3 is a record of a seldom seen condition, steady state. This condition was very difficult to produce and occurred only several times.

Figure A-4 is a plot comparing the two methods of power determination for the 0.5-0.6 mm and the 2.84 mm particle diameter tests.

Figure A-5 is a summary of results for this study. It represents results from over 200 tests. Included are some data from previous experiments.

Tables A-1, A-2, and A-3 summarize the data represented on the above plot.

TABLE A-1

0.5 mm - 0.6 mm PARTICLE, 10.2 cm TUBE DIAMETER

Record Number	Bed Ht. (cm)	Extra Water (cm)	Sat or Sub	Coil Power (kw)	Slope Power (kw)	Coil (kw/m^2)	Slope (kw/m^2)
111451-2	5	5	SAT	2.1	1.9	257	232
111751-111851	5	2	SAT	2.0	2.1	245	257
111852	5	0	SAT	1.8	2.0	220	245
112071-2	7	0	SAT	2.0	2.1	245	257
112074-5	7	2	SAT	1.9	2.1	232	257
112573	7	5	SAT	1.7	1.8	208	220
112574	7	9	SUB 65°F	2.0	2.1	245	257
112592-112691	9	0	SAT	2.1	2.3	257	282
112692-3	9	2	SAT	2.1	2.3	257	282
112695	9	5	SAT	2.0	2.2	245	269
112696-7	9	7	SUB 60°F	2.0	2.1	245	257
123112	11	0	SAT	-	2.3	-	280
123113	11	2	SAT	1.8	2.1	220	257
125114	11	5	SUB 80°F	1.7	-	208	-

TABLE A-2

2.84 mm PARTICLES, 10.2 cm TUBE DIAMETER

Record Number	Bed Ht. (cm)	Extra Water (cm)	Sat or Sub	Coil Power (kw)	Slope Power (kw)	Coil (kw/m^2)	Slope (kw/m^2)
100951	5	7	SAT	7.6	-	930	-
100954	5	11.5	SUB 30°F	8.8	-	1077	-
101076	7	0	SAT	8.1	8.5	991	1040
101075	7	3	SAT	8.0	-	979	-
101073-4	7	5	SAT	7.0	-	857	-
101597	9	0	SAT	7.0	-	857	-
101591	9	4	SUB 8°F	7.4	-	906	-
171104	11	0	SAT	7.0	-	857	-
161104	11	2.5	SUB 8°F	6.7	6.5	820	796
171103	11	2.5	SUB 10°F	7.0	-	857	-
101392	9	5	SUB 4°F	6.9	6.8	845	832
129122-121612	12	0	SAT	6.2	7.2	759	881
210121-2	12	5	SUB 30°F	6.2	7.2	759	881

TABLE A-3

6.35 mm PAINTED PARTICLES, 10.2 cm TUBE DIAMETER

Record Number	Bed Ht. (cm)	Extra Water (cm)	Sat or Sub	Coil Power (kw)	Coil (kw/m^2)	No Slope Power
103041	4.5	3.5	SAT	12.7	1554	No dryout - maximum machine power.
110074	7	0	SAT	11.4	1395	
110372	7	3	SAT	10.9	1334	
110375	7	9	SUB 10°F	11.7	1432	
110594-7	9	0	SAT	11.0	1346	
110595-6	9	6.5	SUB 10°F	10.7	1310	
110591	9	2	SAT	10.5	1285	
071102-3	11	0	SAT	11.9	1463	
071105	11	1	SAT	11.8	1444	
101101-4	11	5	SUB 20°F	11.5	1408	
111201	11	5	SUB 35°F	11.3	1383	

6.3 mm UNPAINTED PARTICLES

271106	11	0	SAT	10.4	1273
102157	5	2	SAT	10.4	1273
102393-4	9	1	SAT	10.8	1322
291103	11	1	SAT	11.0	1346

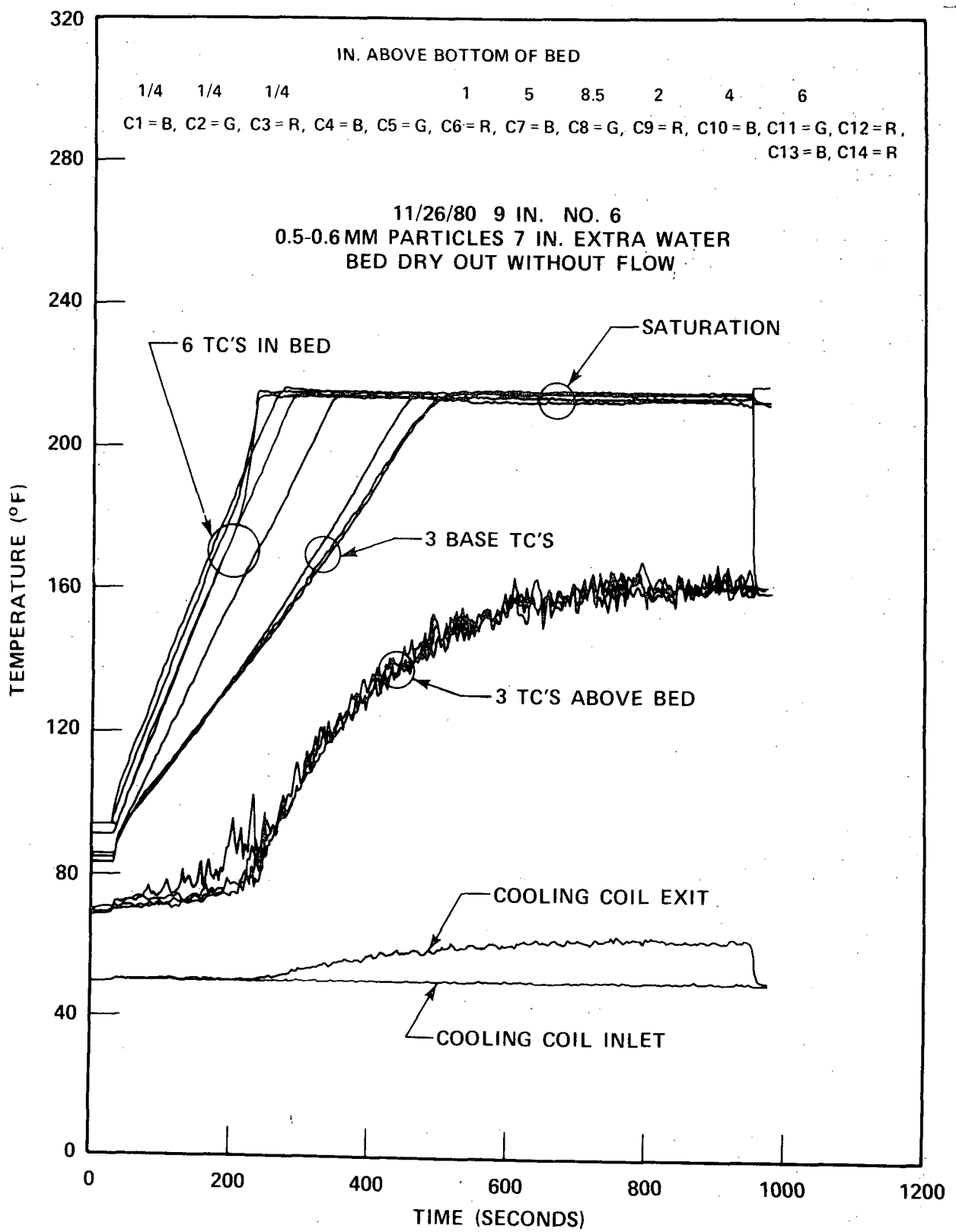

Figure A-1. Example of Subcooled Test With No Dryout

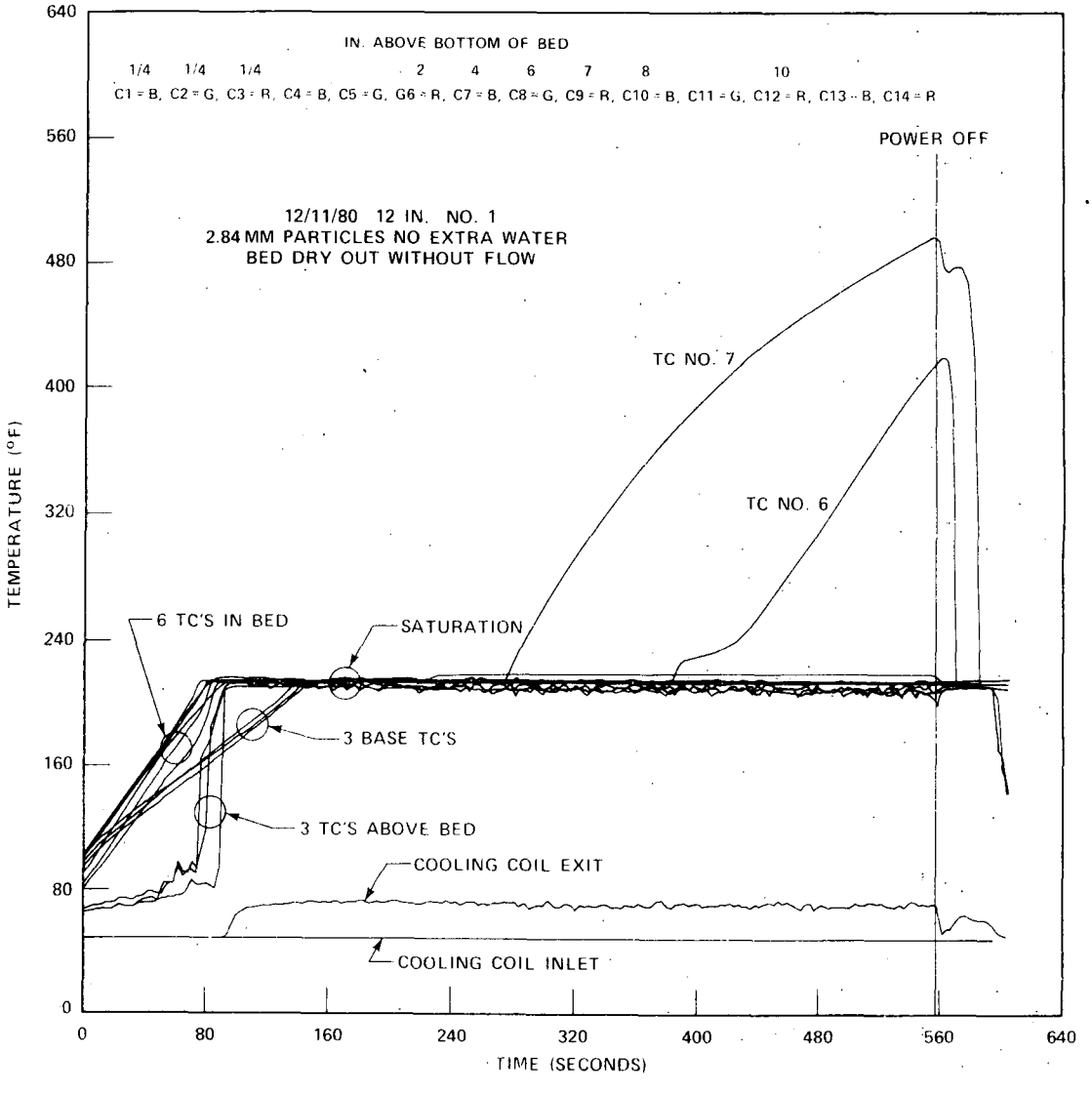

Figure A-2. Example of Test With Dryout

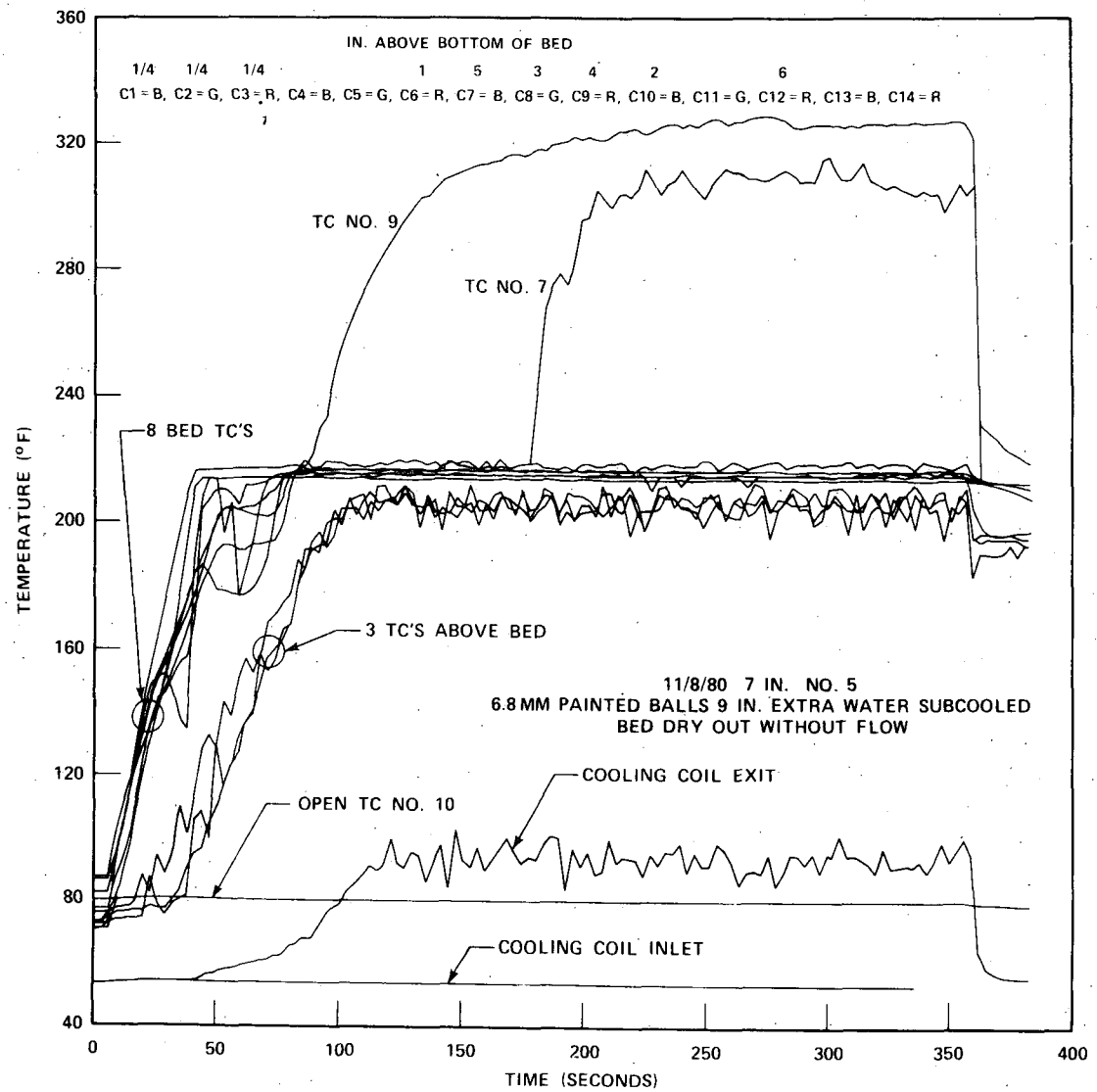

Figure A-3. Example of Uncommon Steady State Test

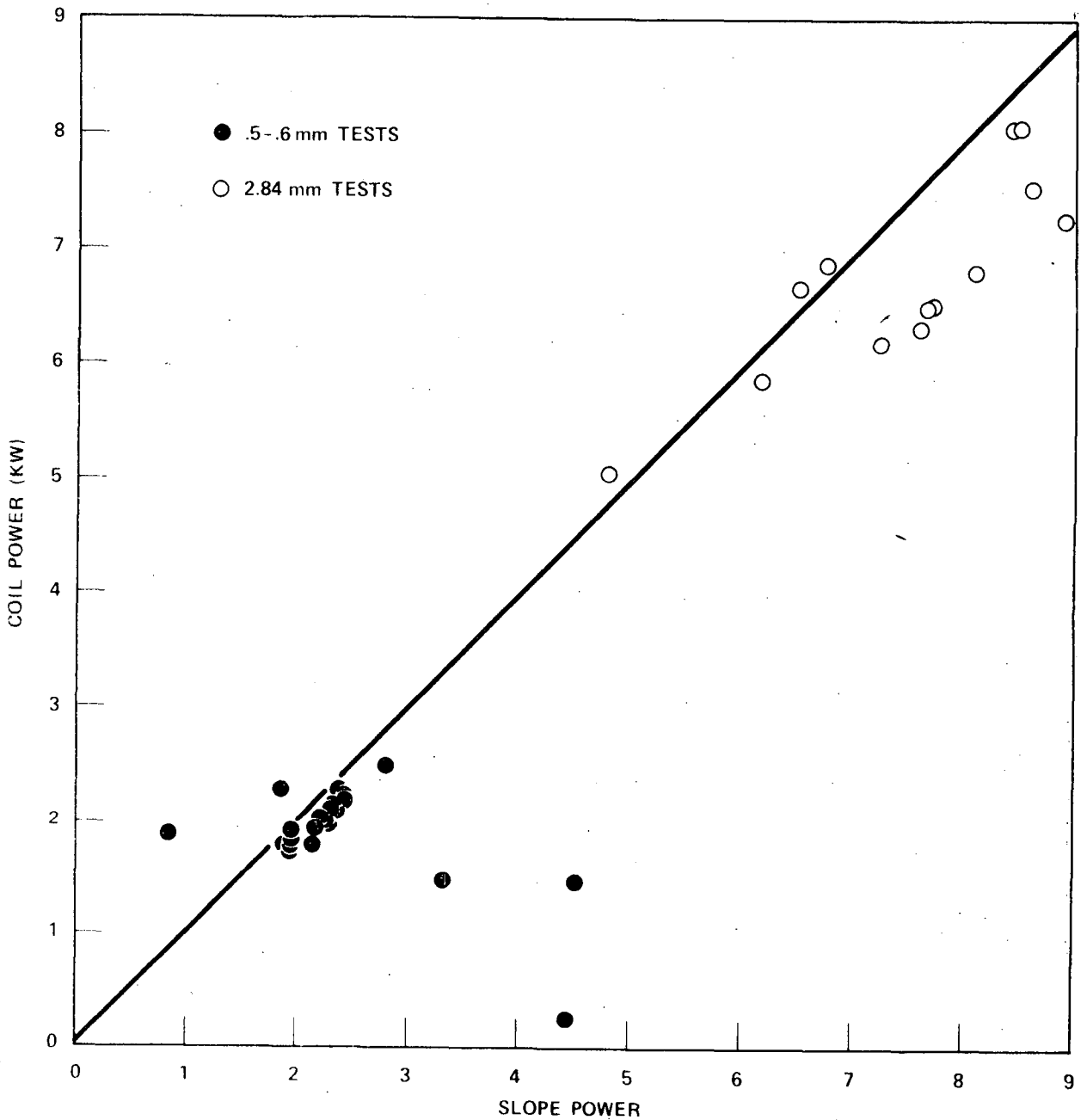

Figure A-4. Comparison of Coil Power Data vs. Slope Power Data

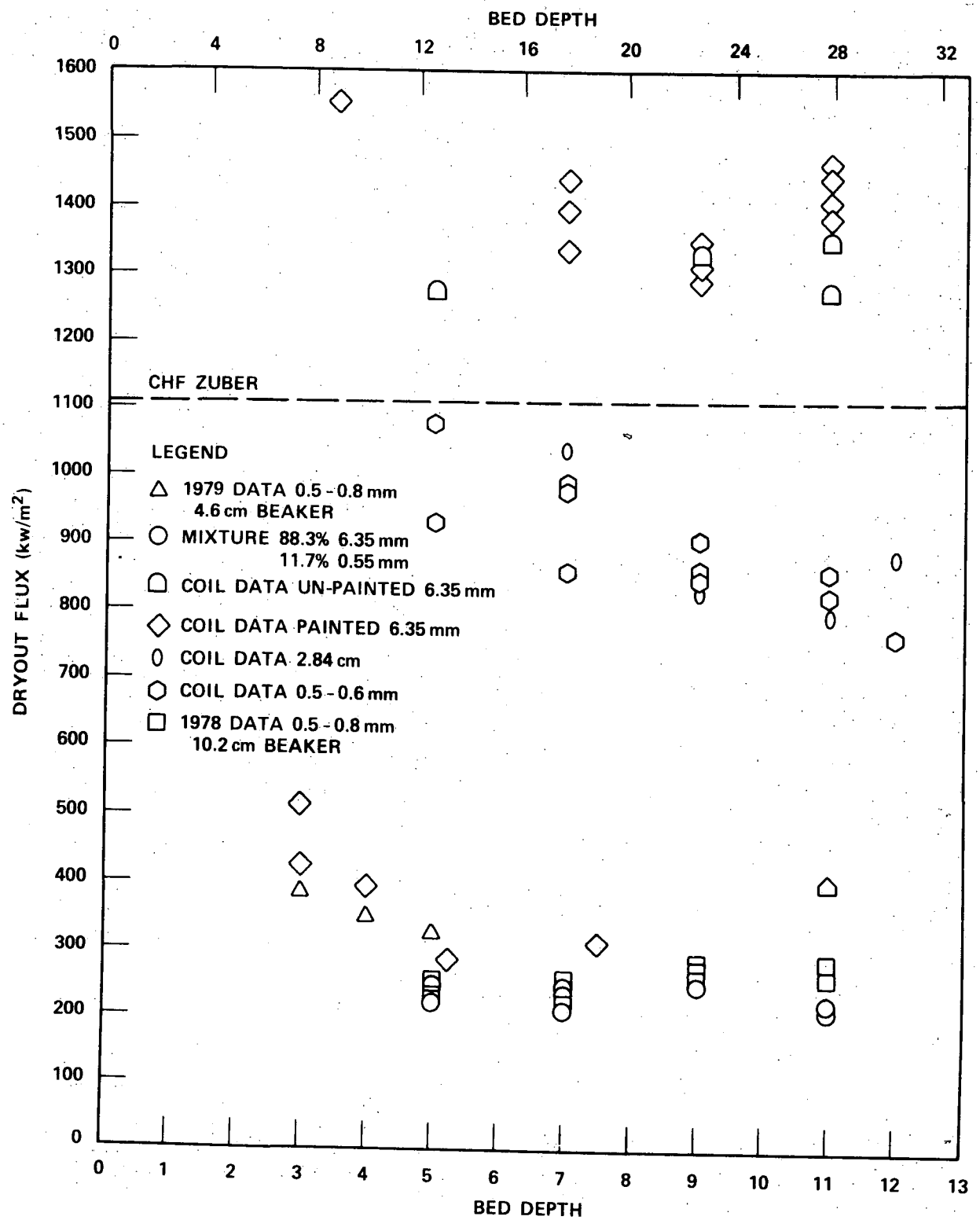

Figure A-5. Treshold Dryout Heat Flux Data

SUPPLEMENT B

CALCULATION OF THE DRYOUT POWER THRESHOLD

Dryout flux (kw/m^2) was determined by two methods: (i) from the rate of the temperature rise within the bed as recorded by nine thermocouples, (ii) from a heat balance in the condenser coil above the bed. In order to calculate the power by method (i), it is necessary to know the weight of the solid particles in the bed and the weight of the water in the bed. Assuming no heat losses from the bed during the initial temperature rise to saturation, the bed heat flux is given by

$$q = \frac{1}{A} \cdot M_s C_{ps} + M_w C_{pw} \left(\frac{dT}{dt}\right) \qquad \text{(B-1)}$$

where M_s and M_w are the mass of the solid particles and the water respectively, C_{ps} and C_{pw} are the specific heat of the solid phase and water respectively, A is the bed cross section and dT/dt is the rate of temperature rise through the bed. Inaccuracies involved with the use of Equation (B-1) may result if the dT/dt is not constant, if there is significant spatial power distribution in the bed and if there are significant heat losses throughout the bed. In most cases, the above factors were found to be insignificant.

Calculation of the bed power from the condenser coil above the bed is done by

$$q = \frac{1}{A} \dot{M} C_p \, (T_{out} - T_{in}) \qquad \text{(B-2)}$$

where $\dot{M}$ is the mass flow rate through the coil, T_{in} is the coil inlet temperature and T_{out} is the coil exit temperature. The inaccuracies involved with this method are variations in the coil mass flow rate, inaccuracies involved with temperature readings and most important, the fact that not all the vapor that leaves the bed condenses on the coil.

Some of it may simply escape from the glass tube through the annular coil space without condensing. This is more likely to happen when large quantities of steam are generated (high bed powers at large particle diameter). Consequently, it is believed that the inaccuracies in measuring the bed power with the condenser coil will increase with the particle diameter. These inaccuracies are very minimal for the small particle diameter tested (0.55 mm).

It is clear from the above discussion that the coil power should be lower than the power calculated from Equation (B-1). This was indeed collaborated by the data as Figure A-4 indicates.

For data cases where both methods were employed, the agreement was usually within 10 percent with the temperature slope method giving higher powers. There were a few tests where the difference was as large as 20 percent. The bed temperature slope method was used for all sizes except the 6.35 mm particle size to obtain the threshold power. For this larger size, the cooling coil data was used.

APPENDIX 3.4.6

PREDICTED FAILURE MODES FOR A TYPICAL 4-LOOP REACTOR VESSEL IN THE EVENT OF A CORE MELTDOWN

TABLE OF CONTENTS

		PAGE
1.0	INTRODUCTION	1
2.0	SCENARIOS ANALYZED	2
	2.1 Instantaneous Fill	2
	2.2 Gradual Fill	2
	2.3 Gradual Fill with Solidified Core Melt Resting on the Bottom of the Vessel	2
3.0	METHODS USED TO PREDICT THE FAILURE MODES	2
	3.1 Time Dependent Temperature Profiles	2
	3.2 Stress Analysis Based on Use of Time Dependent Temperature Profiles	2
	3.2.1 Instrumentation Tubes	2
	3.2.2 Bottom Head Wall	3
4.0	DESCRIPTION OF THE FAILURE MODES	3
	4.1 Instrumentation Tubes	3
	4.2 Bottom Head Wall	4
5.0	DISPERSAL OF THE CORE MELT	4
	5.1 Dispersal for Failed Instrumentation Tubes	4
	5.2 Dispersal for Failed Bottom Head Wall	5
	5.3 Dispersal when Failure of the Instrumentation Tubes is Followed by Failure in the Bottom Head Wall	5
6.0	INDEX TABLE FOR THE SCENARIOS AND CASES	6
7.0	DESCRIPTION OF FAILURE FOR EACH CASE IN THE INDEX TABLE	7
8.0	SUMMARY OF THE RESULTS	9

1.0 INTRODUCTION

A typical four loop reactor vessel has been studied for failure modes in the event of a core meltdown. Three meltdown scenarios were investigated at three different pressures.

The temperature profiles in the bottom head of the vessel after a core melt are time dependent, and this study predicts failure modes based on the amount of time required before a given failure mode can occur.

2.0 SCENARIOS ANALYZED

Three melt-down scenarios have been studied for vessel pressures of 0, 585, and 2485 psig. The Scenarios are as follows:

2.1 Instantaneous Fill

In this scenario , it is assumed that the bottom head of the reactor vessel is instantaneously filled with core melt.

2.2 Gradual Fill

In this scenario, it is assumed that the rate of filling is such that the bottom head would not be completely filled until after 20 minutes or longer. This rate presupposes that there is no leakage of core melt through failed instrumentation tubes.

2.3 Gradual Fill, with Solidified Core Melt Resting on the Bottom of the Vessel

In this scenario, it is assumed that some of the core melt precipates to the bottom of the vessel in solid form, and acts as an insulator.

3.0 METHODS USED FOR PREDICTING THE FAILURE MODES

3.1 Time Dependent Temperature Profiles

Temperature profiles through the bottom head wall were computed on the basis of a constant heat flux applied at the inside surface of the bottom head. Heat losses through the insulating material which covers the vessel as well as heat losses by radiation are negligible.

In order to envelope the possible melt-down heat fluxes, two different heat fluxes are chosen. These are Q = 200,000 BTU/hr ft^2 and Q = 100,000 BTU/hr ft^2.

3.2 Stress Analysis Based on Use of Time Dependent Temperature Profiles

3.2.1 Instrumentation Tubes

The partial penetration welds are of Inconel, and high temperature strength properties (as a function of temperature) are available from INCO catalog 600. For temperatures greater than 2000°F,

Inconel has no strength. Therefore, the region in the weld where the temperature profile indicates that the temperature is 2000°F or greater, is not considered to give any structural support. The region of the weld for which temperatures are less than 2000°F is divided into segments, and the strength contributions of the segments are integrated to compute the load resisting capacity of the weld at various time intervals. At that particular time when the load capacity of the weld is less than the axial load applied to the instrumentation tube, the tube will be forced out of the bottom head.

3.2.2 Bottom Head Wall

The bottom head wall is of A-533 steel, and its high temperature strength properties (as a function of temperature) are available based on information provided by M. Manjoine of the Westinghouse R&D Center. Like Inconel, the A-533 has no strength at temperatures greater than 2000°F. In a manner similar to the analysis of the instrumentation tubes, the region of the bottom head wall where temperatures are less than 2000°F is divided into segments, and the load capacity of the bottom head wall at various time intervals is obtained by integrating the strength contributions of these segments. At that particular time when the load capacity of the bottom head wall (at the level of the core melt surface) is less than the membrane load applied to it, the wall will start to fail in the failure mode described in paragraph 4.2.

4.0 DESCRIPTION OF THE FAILURE MODES

4.1 Instrumentation Tubes

Partial penetration welds at the inside of the vessel are the only attachment of the instrumentation tubes to the vessel. Starting from the inside of the vessel, these welds extend about an inch along the axes of the tubes. When the partial penetration welds get hot enough, plastic shear flow occurs in the weld metal, and

the tubes are pushed out by the pressure. If there is no pressure, then the tubes are pushed out by the gravity head of the molten corium.

4.2 Bottom Head Wall

The highest temperatures in the bottom head wall occur along the circle defined by the surface of the molten corium pool. As the wall heats up with time, the steel on the inside loses its load carrying capacity, while the steel on the outside still retains some strength, even though it is in the plastic condition. As the temperatures rise, the strength of the steel on the outside of the wall is diminished to the extent that it can no longer resist the load. When the happens, a plastic flow zone emanates horizontally from the weakest location along the circumference of the bottom head. The bottom head starts to tear horizontally where the plastic strain is greatest, and then it hinges downward as the tear propagates.

5.0 DISPERSAL OF THE CORE MELT

5.1 Dispersal for Failed Instrumentation Tubes

Pressure will forcibly eject the Instrumentation Tubes, and the core melt will "shower" out of the holes left by the ejected instrumentation tubes.

When there is no pressure, the gravity head of the core melt will push out the instrumentation tubes, and the core melt will then drain out of the holes. Referring to Section 6.0, which is the "Index Table for the Scenarios and Cases", this study finds that all the core melt will "shower" out of the holes left by the instrumentation tubes for cases A2, A3, A5, A6, A8, A9, B5, B6, B8, and B9. For Cases A4 and B4, all the core melt will drain out of these holes. The bottom head wall does not fail for any of the above cases.

5.2 Dispersal for Failed Bottom Head Wall

When the tear first appears in the wall, pressure will force the core melt (at the top of the core melt pool) to spray out of that side of the bottom head where the tear forms. The pressure will drop off, and more of the corium will spill out through the tear as the bottom head hinges down. Then the bottom head falls off and the rest of the corium will fall with it. The only cases in which the bottom head wall can fail before the instrumentation tubes are Case B2 and B3.

5.3 Dispersal Where Failure of the Instrumentation Tubes is Followed by Failure in the Bottom Head Wall

Cases where this dispersal mechanism apply are A1, B1, A7, and B7. For these cases the first part of the core melt will disperse through holes left by ejected instrumentation tubes. Additional core melt will spill through a tear in one side of the vessel, and the remainder of the melt will stay in the bottom head as it drops off the vessel.

6.0 INDEX TABLE FOR THE SCENARIOS AND CASES

INDEX TABLE OF CASES

Scenarios	Heat Flux (BTU/HR FT^2)					
	200,000			100,000		
	Pressure (psig)			Pressure (psig)		
	0	585	2485	0	585	2485
1. Instantaneous Fill	A1	A2	A3	B1	B2	B3
2. Gradual Fill	A4	A5	A6	B4	B5	B6
3. Gradual Fill, Accumulating a Solid Layer on the Bottom of the Vessel covered by a molten layer	A7	A8	A9	B7	B8	B9

7.0 DESCRIPTION OF FAILURE FOR EACH CASE IN THE INDEX TABLE

CASES

A.1 Between 300-400 seconds, the instrumentation tubes slide out. If it is postulated that the corium has not been drained off by gravity, then the bottom head would fail in the hinging mode after 800 seconds.

A.2 Between 300-400 seconds, the instrumentation tubes pop out. Taking no credit for pressure reduction and corium removal caused by popped out instrumentation tubes, the bottom head would fail in the hinging mode, between 500 and 600 seconds.

A.3 Between 300-400 seconds, the instrumentation tubes pop out. Taking no credit for pressure reduction and corium removal caused by popped out instrumentation tubes, the bottom head would fail in the hinging mode, between 400 and 500 seconds.

A.4 At the start of the gradual fill, the lowest instrumentation tube slides out within 300 to 400 seconds. As filling progresses, the higher instrumentation tubes follow suit, while the lower (failed) tubes drain the corium. The bottom head is not expected to fail.

A.5 & A.6 At the start of the gradual fill, the lowest instrumentation tube pops out within 300 to 400 seconds, and the pressure forces out the corium. No appreciable accumulation of corium is expected in the bottom head, and the bottom head is not expected to fail.

A.7 Although the lower instrumentation tubes are obstructed by the solid precipitate, the tubes located above this precipitate will slide out between 300 and 400 seconds, after they are exposed to the liquid corium. If it is postulated that the liquid corium has not been drained off by gravity, then the bottom head would eventually fail in the hinging mode.

A.8 & A.9 The lower instrumentation tubes are covered with solid corium. However, the higher instrumentation tubes are exposed to the molten corium. As with cases A5 and A6, these tubes are expected to pop out under the pressure and prevent any appreciable accumulation of liquid corium. The bottom head is not expected to fail. Note that over short time periods, the solid corium acts as a thermal insulator.

B.1 Between 1000 and 1100 seconds the instrumentation tubes slip out. If it is postulated that the corium has not been drained off by gravity, then the bottom head would fail in the hinging mode after 1400 seconds.

B.2 In this case the bottom head and the instrumentation tubes fail during the same time interval (between 1000 and 1100 seconds). The bottom head might fail before any instrumentation tubes pop out. The bottom head failure mode would be the hinging mode.

B.3 Between 600 and 800 seconds, the bottom head fails in the hinging mode, while the instrumentation tubes stay in place. If it weren't for the bottom head failing, the instrumentation tubes would have popped out between 800 and 1000 seconds.

B.4 At the start of the gradual fill, the lowest instrumentation tube slides out within 1000 to 1100 seconds. As filling progresses, the higher instrumentation tubes follow suit, while the lower (failed) tubes drain the corium. The bottom head is not expected to fail.

B.5 At the start of the gradual fill, the lowest instrumentation tube pops out within 1000 and 1100 secnds, and the pressure forces out the corium. No appreciable accumulation of corium is expected in the bottom head, and the bottom head is not expected to fail.

B.6 Same as B.5, except that the lowest instrumentation tube pops out within 800 and 1000 seconds.

B.7 Same as A.7, except that the instrumentation tubes will slide out between 1000 and 1100 seconds.

B.8 & B.9 Same as A.8 and A.9.

8.0 SUMMARY OF THE RESULTS

Of the eighteen cases studied, the predictions are as follows:

(a) In twelve cases[1], only the instrumentation tubes fail, and the core melt is entirely dispersed through the holes left by ejected instrumentation tubes.

(b) In four cases[2], it is expected that Instrumentation Tube failure will be followed by bottom head failure. For these cases, the first part of the core melt will disperse through the holes left by ejected instrumentation tubes. The second part of the core melt will escape through a tear in one side of the vessel, and the third and last part of the melt will stay in the bottom head as it drops off the vessel.

(c) In two cases[3], the bottom head of the reactor vessel is expected to fail prior to (or simultaneously with) instrumentation tube failures. For these cases, part of the core melt is expected to escape through a tear on one side of the vessel, and the rest of the melt is expected to remain in the bottom head as it drops off the vessel.

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[1] Cases A2, A3, A4, A5, A6, A8, A9, B4, B5, B6, B8, and B9 shown in the Index Table.

[2] Cases A1, A7, B1 and B7 shown in the Index Table.

[3] Cases B2 and B3 shown in the Index Table.