

```
FINALWALL-VLOWK-6-11.well
#GMS_HDF5_01
1 40 AUX IFACE AUX QFACT AUX CELLGRP
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GMS_HDF5_01 "FINALWALL-VLOWK-6-11.h5" "well" 1
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0	0	IPESTINT	INTERP				
0	0	0	1.0	NOSTOP	HDRYBOT	LIMOP	MINTHICK

#FINAL_BASELINE_6-11

#23 June 2011

FREE

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/ibound1" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/ibound2" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/ibound3" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/ibound4" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/ibound5" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/ibound6" 1 0 13426

-999.000000

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/StartHead1" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/StartHead2" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/StartHead3" 1 0 13426

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HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/StartHead5" 1 0 13426

HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/StartHead6" 1 0 13426

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329998.70383702 1.0 no_chdf0
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327906.04715751 1.0 no_chdf1
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 4 217142.50205785
326734.23394706 1.0 no_chdf2
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 6 222578.35112892
322254.84184513 1.0 no_chdf3
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 7 217489.64947981
323175.8728997 1.0 no_chdf4
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4 103 9 0.0818590510795

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5	131	53	1.0
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5	131	55	1.0
5	131	56	1.0
5	131	57	1.0

5	131	58	1.0
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5	130	59	1.0
5	130	60	1.0
5	130	61	1.0
5	130	62	1.0
5	130	63	1.0
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5	105	90	1.0
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5 103 91 1.0
5 103 92 1.0
5 102 92 1.0
5 101 92 1.0
5 100 92 1.0
5 99 92 1.0
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5 64 94 1.0
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5 61 94 1.0
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5 50 94 1.0
5 49 94 1.0
5 48 94 1.0

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5 47 94 1.0
5 47 93 1.0
5 46 93 1.0
5 45 93 1.0
5 44 93 1.0
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5 41 93 1.0
5 40 93 1.0
5 39 93 1.0
1 9
no_ghbf9 1 0.0 1.0 1.0e+019 1 1
5 103 9 0.0
5 103 9 1.0
5 104 9 1.0
5 105 9 1.0
5 105 10 1.0
5 106 10 1.0
5 107 10 1.0
5 107 11 1.0
5 108 11 1.0
```

```
#GMS_HDF5_01
874 40 AUX IFACE AUX CONDFACT AUX CELLGRP
      874          0          0
GMS_HDF5_01 "FINALWALL-VLOWK-6-11.h5" "General Head" 1
```

```

# CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17080, 221321.0,
326721.0 ts_0 hed1
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17081, 219772.0,
326783.0 ts_0 hed2
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17082, 220786.0,
324855.0 ts_0 hed3
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17083, 220375.0,
323884.0 ts_0 hed4
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17084, 219766.0,
325296.0 ts_0 hed5
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17106, 220139.0,
325390.0 ts_0 hed6
6 0 6
1.0 1.0
hed1 5 51 68 1 0.0 -0.186935549023 0.0596894210567 3689.73 0.51021 1 1
hed2 5 50 39 1 0.0 0.0261493893086 -0.00913898327 3698.05 0.51021 1 1
hed3 5 84 61 1 0.0 0.2506037895473 0.2236208487799 3700.85 0.51021 1 1
hed4 5 97 55 1 0.0 -0.385761831973 -0.062363875188 3702.56 0.51021 1 1
hed5 5 76 39 1 0.0 0.4965166313765 -0.110922411679 3706.41 0.51021 1 1
hed6 5 74 48 1 0.0 -0.301652892562 0.4 3696.72 0.51021 1 1

```

```
# MF2K-MT3DMS LINKER FILE
#
OUTPUT_FILE_NAME "FINALWALL-VLOWK-6-11.hff"
OUTPUT_FILE_UNIT
OUTPUT_FILE_HEADER standard
OUTPUT_FILE_FORMAT unformatted
```

```

40 -888.0 0 0
1 1 1 1 1 1
0 0 0 0 0 0
-1.0 -1.0 -1.0 -1.0 -1.0 -1.0
1 1 1 1 1 1
0 0 0 0 0 0
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HK1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HANI1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/VANI1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HK2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HANI2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/VANI2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HK3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HANI3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/VANI3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HK4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HANI4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/VANI4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HK5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HANI5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/VANI5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HK6" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/HANI6" 1 0 13426
HDF5 1.0 -1 "FINALWALL-VLOWK-6-11.h5" "Arrays/VANI6" 1 0 13426

```

```

# MF2K NAME file
#
# Output Files
GLOBAL      1 "FINALWALL-VLOWK-6-11.glo"
LIST        2 "FINALWALL-VLOWK-6-11.out"
DATA (BINARY) 30 "FINALWALL-VLOWK-6-11.hed"
DATA (BINARY) 40 "FINALWALL-VLOWK-6-11.ccf"
LMT6        18 "FINALWALL-VLOWK-6-11.lmt"
#
# Obs-Sen-Pes Process Input Files
OBS          50 "FINALWALL-VLOWK-6-11.obs"
HOB          51 "FINALWALL-VLOWK-6-11.hob"
GBOB         53 "FINALWALL-VLOWK-6-11.gbob"
CHOB         55 "FINALWALL-VLOWK-6-11.chob"
SEN          57 "FINALWALL-VLOWK-6-11.snn"
PES          58 "FINALWALL-VLOWK-6-11.pes"
ASP          71 "FINALWALL-VLOWK-6-11.asp"
#
# Global Input Files
DIS          19 "FINALWALL-VLOWK-6-11.dis"
#
# Flow Process Input Files
BAS6         3 "FINALWALL-VLOWK-6-11.ba6"
LPF          4 "FINALWALL-VLOWK-6-11.lpf"
OC           15 "FINALWALL-VLOWK-6-11.oc"
WEL          9 "FINALWALL-VLOWK-6-11.wel"
GHB         11 "FINALWALL-VLOWK-6-11.ghb"
CHD         13 "FINALWALL-VLOWK-6-11.chd"
PCG         14 "FINALWALL-VLOWK-6-11.pcg"

```


HEAD SAVE UNIT 30
COMPACT BUDGET AUX
PERIOD 1 STEP 1
PRINT BUDGET
SAVE HEAD
SAVE BUDGET

MODFLOW-2000
 U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER FLOW
 MODEL
 VERSION 1.18.01 06/20/2008

This model run produced both GLOBAL and LIST files. This is the LIST file.

#FINAL_BASELINE_6-11

#23 June 2011

THE FREE FORMAT OPTION HAS BEEN SELECTED

6 LAYERS 137 ROWS 98 COLUMNS

1 STRESS PERIOD(S) IN SIMULATION

BAS6 -- BASIC PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT 3
 30 ELEMENTS IN IR ARRAY ARE USED BY BAS

WEL6 -- WELL PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT 9
 #GMS_HDF5_01

No named parameters

MAXIMUM OF 1 ACTIVE WELLS AT ONE TIME

CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT 40

AUXILIARY WELL VARIABLE: IFACE

AUXILIARY WELL VARIABLE: QFACT

AUXILIARY WELL VARIABLE: CELLGRP

7 ELEMENTS IN RX ARRAY ARE USED BY WEL

GHB6 -- GHB PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT 11
 #GMS_HDF5_01

No named parameters

MAXIMUM OF 874 ACTIVE GHB CELLS AT ONE TIME

CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT 40

AUXILIARY GHB VARIABLE: IFACE

AUXILIARY GHB VARIABLE: CONDFACT

AUXILIARY GHB VARIABLE: CELLGRP

6992 ELEMENTS IN RX ARRAY ARE USED BY GHB

CHD6 -- TIME-VARIANT SPECIFIED-HEAD PACKAGE, VERSION 6, 1/11/2000
 INPUT READ FROM UNIT 13

#GMS_HDF5_01

No named parameters

MAXIMUM OF 1745 TIME-VARIANT SPECIFIED-HEAD CELLS AT ONE TIME

8725 ELEMENTS IN RX ARRAY ARE USED BY CHD

15724	ELEMENTS OF RX ARRAY USED OUT OF	15724
0	ELEMENTS OF RZ ARRAY USED OUT OF	1
30	ELEMENTS OF IR ARRAY USED OUT OF	30

1

#FINAL_BASELINE_6-11

#23 June 2011

	1	2	3	4	5
6	7	8	9	10	
	11	12	13	14	15
16	17	18	19	20	
	21	22	23	24	25
26	27	28	29	30	
	31	32	33	34	35

36	37	38	39	40	
	41	42	43	44	45
46	47	48	49	50	
	51	52	53	54	55
56	57	58	59	60	
	61	62	63	64	65
66	67	68	69	70	
	71	72	73	74	75
76	77	78	79	80	
	81	82	83	84	85
86	87	88	89	90	
	91	92	93	94	95
96	97	98			

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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

[illegible]

[illegible]

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26	27	28	29	30	
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36	37	38	39	40	
	41	42	43	44	45
46	47	48	49	50	
	51	52	53	54	55
56	57	58	59	60	
	61	62	63	64	65
66	67	68	69	70	
	71	72	73	74	75
76	77	78	79	80	
	81	82	83	84	85
86	87	88	89	90	
	91	92	93	94	95
96	97	98			

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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91	0	0	0	0	0	0	0
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92	0	0	0	0	0	0	0
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[illegible]

[illegible]

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118	0	0	0	0	0	0	0
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120	0	0	0	0	0	0	0	0
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122	0	0	0	0	0	0	0	0
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129	0	0	0	0	0	0	0	0
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96	97	98			

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

AQUIFER HEAD WILL BE SET TO -999.00 AT ALL NO-FLOW NODES (IBOUND=0).

OUTPUT CONTROL IS SPECIFIED ONLY AT TIME STEPS FOR WHICH OUTPUT IS DESIRED

COMPACT CELL-BY-CELL BUDGET FILES WILL BE WRITTEN

AUXILIARY DATA WILL BE SAVED IN CELL-BY-CELL BUDGET FILES

HEAD PRINT FORMAT CODE IS 0 DRAWDOWN PRINT FORMAT CODE IS 0

HEADS WILL BE SAVED ON UNIT 30 DRAWDOWNS WILL BE SAVED ON UNIT 0

1

STRESS PERIOD NO. 1, LENGTH = 1.000000

NUMBER OF TIME STEPS = 1

MULTIPLIER FOR DELT = 1.000

INITIAL TIME STEP SIZE = 1.000000

WELL NO.	LAYER	ROW	COL	STRESS RATE	IFACE	QFACT
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1	5	60	58	-3100.	0.000	1.000
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1 WELL

BOUND. NO.	LAYER	ROW	COL	STAGE	CONDUCTANCE	IFACE
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1	5	33	92	3700.	4162.	6.000
20.81		1.000				
2	5	32	92	3700.	0.1825E+05	6.000
91.24		1.000				
3	5	32	91	3700.	2426.	6.000
12.13		1.000				
4	5	31	91	3700.	0.2067E+05	6.000

103.4		1.000				
5	5	30	91	3700.	1081.	6.000
5.405		1.000				
6	5	30	90	3700.	0.1959E+05	6.000
97.96		1.000				
7	5	29	90	3700.	4588.	6.000
22.94		1.000				
8	5	29	89	3700.	0.1609E+05	6.000
80.43		1.000				
9	5	28	89	3700.	8095.	6.000
40.48		1.000				
10	5	28	88	3700.	0.1258E+05	6.000
62.89		1.000				
11	5	27	88	3700.	0.1160E+05	6.000
58.01		1.000				
12	5	27	87	3700.	9071.	6.000
45.36		1.000				
13	5	26	87	3700.	0.1511E+05	6.000
75.55		1.000				
14	5	26	86	3700.	5564.	6.000
27.82		1.000				
15	5	25	86	3700.	0.1862E+05	6.000
93.08		1.000				
16	5	25	85	3700.	2057.	6.000
10.29		1.000				
17	5	24	85	3700.	0.2067E+05	6.000
103.4		1.000				
18	5	23	85	3700.	1450.	6.000
7.250		1.000				
19	5	23	84	3700.	0.1922E+05	6.000
96.12		1.000				
20	5	22	84	3700.	4957.	6.000
24.79		1.000				
21	5	22	83	3700.	0.1572E+05	6.000
78.58		1.000				
22	5	21	83	3700.	8464.	6.000
42.32		1.000				
23	5	21	82	3700.	0.1221E+05	6.000
61.05		1.000				
24	5	20	82	3700.	0.1197E+05	6.000
59.86		1.000				
25	5	20	81	3700.	8702.	6.000
43.51		1.000				
26	5	19	81	3700.	0.1548E+05	6.000
77.39		1.000				
27	5	19	80	3700.	5195.	6.000
25.98		1.000				
28	5	18	80	3700.	0.1899E+05	6.000
94.93		1.000				
29	5	18	79	3700.	1688.	6.000
8.440		1.000				
30	5	17	79	3700.	0.2067E+05	6.000
103.4		1.000				
31	5	16	79	3700.	1819.	6.000
9.095		1.000				
32	5	16	78	3700.	0.1885E+05	6.000
94.27		1.000				
33	5	15	78	3700.	5326.	6.000
26.63		1.000				
34	5	15	77	3700.	0.1535E+05	6.000

76.74		1.000				
35	5	14	77	3700.	8833.	6.000
44.17		1.000				
36	5	14	76	3700.	0.1184E+05	6.000
59.20		1.000				
37	5	13	76	3700.	0.1234E+05	6.000
61.70		1.000				
38	5	13	75	3700.	8333.	6.000
41.67		1.000				
39	5	12	75	3700.	0.1585E+05	6.000
79.24		1.000				
40	5	12	74	3700.	4826.	6.000
24.13		1.000				
41	5	11	74	3700.	0.1935E+05	6.000
96.77		1.000				
42	5	11	73	3700.	1319.	6.000
6.595		1.000				
43	5	10	73	3700.	0.2067E+05	6.000
103.4		1.000				
44	5	9	73	3700.	2188.	6.000
10.94		1.000				
45	5	9	72	3700.	0.1643E+05	6.000
82.14		1.000				
46	5	9	71	3700.	0.1572E+05	6.000
78.62		1.000				
47	5	9	70	3700.	0.1572E+05	6.000
78.62		1.000				
48	5	9	69	3700.	0.1572E+05	6.000
78.62		1.000				
49	5	9	68	3700.	0.1572E+05	6.000
78.62		1.000				
50	5	9	67	3700.	0.1572E+05	6.000
78.62		1.000				
51	5	9	66	3700.	0.1572E+05	6.000
78.62		1.000				
52	5	9	65	3700.	0.1572E+05	6.000
78.62		1.000				
53	5	9	64	3700.	6919.	6.000
34.60		1.000				
54	5	8	64	3700.	8805.	6.000
44.02		1.000				
55	5	8	63	3700.	0.1572E+05	6.000
78.62		1.000				
56	5	8	62	3700.	0.1572E+05	6.000
78.62		1.000				
57	5	8	61	3700.	0.1572E+05	6.000
78.62		1.000				
58	5	8	60	3700.	0.1572E+05	6.000
78.62		1.000				
59	5	8	59	3700.	0.1433E+05	6.000
71.66		1.000				
60	5	8	58	3700.	0.1303E+05	6.000
65.14		1.000				
61	5	8	57	3700.	0.1184E+05	6.000
59.22		1.000				
62	5	8	56	3700.	0.1077E+05	6.000
53.84		1.000				
63	5	8	55	3700.	9788.	6.000
48.94		1.000				
64	5	8	54	3700.	8899.	6.000

44.49		1.000				
65	5	8	53	3700.	8090.	6.000
40.45		1.000				
66	5	8	52	3700.	7354.	6.000
36.77		1.000				
67	5	8	51	3700.	6686.	6.000
33.43		1.000				
68	5	8	50	3700.	2398.	6.000
11.99		1.000				
69	5	7	50	3700.	3680.	6.000
18.40		1.000				
70	5	7	49	3700.	5525.	6.000
27.63		1.000				
71	5	7	48	3700.	5023.	6.000
25.11		1.000				
72	5	7	47	3700.	5525.	6.000
27.63		1.000				
73	5	7	46	3700.	6078.	6.000
30.39		1.000				
74	5	7	45	3700.	6686.	6.000
33.43		1.000				
75	5	7	44	3700.	7354.	6.000
36.77		1.000				
76	5	7	43	3700.	8090.	6.000
40.45		1.000				
77	5	7	42	3700.	8899.	6.000
44.49		1.000				
78	5	7	41	3700.	9788.	6.000
48.94		1.000				
79	5	7	40	3700.	0.1077E+05	6.000
53.84		1.000				
80	5	7	39	3700.	0.1184E+05	6.000
59.22		1.000				
81	5	7	38	3700.	0.1303E+05	6.000
65.14		1.000				
82	5	7	37	3700.	0.1433E+05	6.000
71.66		1.000				
83	5	7	36	3700.	0.1576E+05	6.000
78.82		1.000				
84	5	7	35	3700.	0.1598E+05	6.000
79.90		1.000				
85	5	7	34	3700.	0.1598E+05	6.000
79.90		1.000				
86	5	7	33	3700.	543.8	6.000
2.719		1.000				
87	5	6	33	3700.	0.1544E+05	6.000
77.18		1.000				
88	5	6	32	3700.	0.1598E+05	6.000
79.90		1.000				
89	5	6	31	3700.	5483.	6.000
27.42		1.000				
90	5	39	93	3700.	5422.	6.000
27.11		2.000				
91	5	38	93	3700.	0.1580E+05	6.000
79.01		2.000				
92	5	37	93	3700.	0.1580E+05	6.000
79.01		2.000				
93	5	36	93	3700.	0.1580E+05	6.000
79.01		2.000				
94	5	35	93	3700.	0.1580E+05	6.000

79.01		2.000				
95	5	34	93	3700.	0.1308E+05	6.000
65.40		2.000				
96	5	34	92	3700.	2722.	6.000
13.61		2.000				
97	5	33	92	3700.	0.1262E+05	6.000
63.10		2.000				
98	5	6	31	3700.	2378.	6.000
36.14		3.000				
99	5	7	31	3700.	1560.	6.000
23.71		3.000				
100	5	7	30	3700.	5996.	6.000
91.12		3.000				
101	5	7	29	3700.	3069.	6.000
46.65		3.000				
102	5	8	29	3700.	2926.	6.000
44.47		3.000				
103	5	8	28	3700.	5996.	6.000
91.12		3.000				
104	5	8	27	3700.	1704.	6.000
25.89		3.000				
105	5	9	27	3700.	4292.	6.000
65.23		3.000				
106	5	9	26	3700.	5996.	6.000
91.12		3.000				
107	5	9	25	3700.	337.7	6.000
5.133		3.000				
108	5	10	25	3700.	5658.	6.000
85.98		3.000				
109	5	10	24	3700.	4967.	6.000
75.49		3.000				
110	5	11	24	3700.	1028.	6.000
15.62		3.000				
111	5	11	23	3700.	5996.	6.000
91.12		3.000				
112	5	11	22	3700.	3602.	6.000
54.74		3.000				
113	5	12	22	3700.	2394.	6.000
36.38		3.000				
114	5	12	21	3700.	5996.	6.000
91.12		3.000				
115	5	12	20	3700.	2236.	6.000
33.98		3.000				
116	5	13	20	3700.	3760.	6.000
57.14		3.000				
117	5	13	19	3700.	5996.	6.000
91.12		3.000				
118	5	13	18	3700.	870.1	6.000
13.22		3.000				
119	5	14	18	3700.	5125.	6.000
77.89		3.000				
120	5	14	17	3700.	5500.	6.000
83.58		3.000				
121	5	15	17	3700.	495.7	6.000
7.533		3.000				
122	5	15	16	3700.	5717.	6.000
86.88		3.000				
123	5	16	16	3700.	5332.	6.000
81.04		3.000				
124	5	16	15	3700.	512.4	6.000

7.787		3.000				
125	5	17	15	3700.	5845.	6.000
88.82		3.000				
126	5	18	15	3700.	4978.	6.000
75.65		3.000				
127	5	18	14	3700.	866.6	6.000
13.17		3.000				
128	5	19	14	3700.	5845.	6.000
88.82		3.000				
129	5	20	14	3700.	4624.	6.000
70.27		3.000				
130	5	20	13	3700.	1221.	6.000
18.55		3.000				
131	5	21	13	3700.	5845.	6.000
88.82		3.000				
132	5	22	13	3700.	4269.	6.000
64.89		3.000				
133	5	22	12	3700.	1575.	6.000
23.94		3.000				
134	5	23	12	3700.	5845.	6.000
88.82		3.000				
135	5	24	12	3700.	3915.	6.000
59.50		3.000				
136	5	24	11	3700.	1929.	6.000
29.32		3.000				
137	5	25	11	3700.	5845.	6.000
88.82		3.000				
138	5	26	11	3700.	3561.	6.000
54.12		3.000				
139	5	26	10	3700.	2284.	6.000
34.70		3.000				
140	5	27	10	3700.	5845.	6.000
88.82		3.000				
141	5	28	10	3700.	3207.	6.000
48.74		3.000				
142	5	28	9	3700.	2638.	6.000
40.09		3.000				
143	5	29	9	3700.	5845.	6.000
88.82		3.000				
144	5	30	9	3700.	2853.	6.000
43.35		3.000				
145	5	30	8	3700.	2992.	6.000
45.47		3.000				
146	5	31	8	3700.	5845.	6.000
88.82		3.000				
147	5	32	8	3700.	2498.	6.000
37.97		3.000				
148	5	32	7	3700.	3346.	6.000
50.85		3.000				
149	5	33	7	3700.	5812.	6.000
88.33		3.000				
150	5	34	7	3700.	5197.	6.000
78.99		3.000				
151	5	35	7	3700.	5197.	6.000
78.99		3.000				
152	5	36	7	3700.	5173.	6.000
78.61		3.000				
153	5	36	6	3700.	24.92	6.000
0.3787		3.000				
154	5	37	6	3700.	5197.	6.000

78.99		3.000				
155	5	38	6	3700.	5197.	6.000
78.99		3.000				
156	5	39	6	3700.	5197.	6.000
78.99		3.000				
157	5	40	6	3700.	5197.	6.000
78.99		3.000				
158	5	41	6	3700.	5197.	6.000
78.99		3.000				
159	5	42	6	3700.	5197.	6.000
78.99		3.000				
160	5	43	6	3700.	5197.	6.000
78.99		3.000				
161	5	44	6	3700.	5197.	6.000
78.99		3.000				
162	5	45	6	3700.	5197.	6.000
78.99		3.000				
163	5	46	6	3700.	5197.	6.000
78.99		3.000				
164	5	47	6	3700.	5197.	6.000
78.99		3.000				
165	5	48	6	3700.	5197.	6.000
78.99		3.000				
166	5	49	6	3700.	5197.	6.000
78.99		3.000				
167	5	50	6	3700.	5197.	6.000
78.99		3.000				
168	5	51	6	3700.	870.9	6.000
13.23		3.000				
169	5	51	5	3700.	4327.	6.000
65.75		3.000				
170	5	52	5	3700.	5197.	6.000
78.99		3.000				
171	5	53	5	3700.	5197.	6.000
78.99		3.000				
172	5	54	5	3700.	5197.	6.000
78.99		3.000				
173	5	55	5	3700.	5197.	6.000
78.99		3.000				
174	5	56	5	3700.	5197.	6.000
78.99		3.000				
175	5	57	5	3700.	5197.	6.000
78.99		3.000				
176	5	58	5	3700.	5197.	6.000
78.99		3.000				
177	5	59	5	3700.	5197.	6.000
78.99		3.000				
178	5	60	5	3700.	5176.	6.000
78.66		3.000				
179	5	61	5	3700.	4705.	6.000
71.51		3.000				
180	5	62	5	3700.	4278.	6.000
65.01		3.000				
181	5	63	5	3700.	3889.	6.000
59.10		3.000				
182	5	64	5	3700.	3535.	6.000
53.73		3.000				
183	5	65	5	3700.	3214.	6.000
48.84		3.000				
184	5	66	5	3700.	2922.	6.000

44.40		3.000				
185	5	67	5	3700.	36.04	6.000
0.5477		3.000				
186	5	67	4	3700.	2519.	6.000
38.29		3.000				
187	5	67	5	3700.	108.5	6.000
1.650		3.000				
188	5	68	5	3700.	2436.	6.000
37.01		3.000				
189	5	69	5	3700.	2214.	6.000
33.65		3.000				
190	5	70	5	3700.	2013.	6.000
30.59		3.000				
191	5	71	5	3700.	1830.	6.000
27.81		3.000				
192	5	72	5	3700.	1663.	6.000
25.28		3.000				
193	5	73	5	3700.	1830.	6.000
27.81		3.000				
194	5	74	5	3700.	2013.	6.000
30.59		3.000				
195	5	75	5	3700.	2214.	6.000
33.65		3.000				
196	5	76	5	3700.	2436.	6.000
37.01		3.000				
197	5	77	5	3700.	2679.	6.000
40.72		3.000				
198	5	78	5	3700.	2947.	6.000
44.79		3.000				
199	5	79	5	3700.	3242.	6.000
49.27		3.000				
200	5	80	5	3700.	3566.	6.000
54.19		3.000				
201	5	81	5	3700.	3922.	6.000
59.61		3.000				
202	5	82	5	3700.	80.04	6.000
1.216		3.000				
203	5	82	6	3700.	4235.	6.000
64.36		3.000				
204	5	83	6	3700.	4746.	6.000
72.13		3.000				
205	5	84	6	3700.	5221.	6.000
79.34		3.000				
206	5	85	6	3700.	5226.	6.000
79.42		3.000				
207	5	86	6	3700.	5226.	6.000
79.42		3.000				
208	5	87	6	3700.	5226.	6.000
79.42		3.000				
209	5	88	6	3700.	5226.	6.000
79.42		3.000				
210	5	89	6	3700.	87.48	6.000
1.329		3.000				
211	5	89	7	3700.	5138.	6.000
78.09		3.000				
212	5	90	7	3700.	5226.	6.000
79.42		3.000				
213	5	91	7	3700.	5226.	6.000
79.42		3.000				
214	5	92	7	3700.	5226.	6.000

79.42		3.000				
215	5	93	7	3700.	5226.	6.000
79.42		3.000				
216	5	94	7	3700.	5226.	6.000
79.42		3.000				
217	5	95	7	3700.	3925.	6.000
59.65		3.000				
218	5	95	8	3700.	1301.	6.000
19.78		3.000				
219	5	96	8	3700.	5226.	6.000
79.42		3.000				
220	5	97	8	3700.	5226.	6.000
79.42		3.000				
221	5	98	8	3700.	5226.	6.000
79.42		3.000				
222	5	99	8	3700.	5226.	6.000
79.42		3.000				
223	5	100	8	3700.	5226.	6.000
79.42		3.000				
224	5	101	8	3700.	5226.	6.000
79.42		3.000				
225	5	102	8	3700.	2536.	6.000
38.54		3.000				
226	5	102	9	3700.	2690.	6.000
40.88		3.000				
227	5	103	9	3700.	4840.	6.000
73.56		3.000				
228	5	108	11	3700.	357.0	6.000
59.10		4.000				
229	5	109	11	3700.	137.3	6.000
22.74		4.000				
230	5	109	12	3700.	399.5	6.000
66.13		4.000				
231	5	110	12	3700.	536.8	6.000
88.86		4.000				
232	5	111	12	3700.	90.63	6.000
15.00		4.000				
233	5	111	13	3700.	446.2	6.000
73.86		4.000				
234	5	112	13	3700.	536.8	6.000
88.86		4.000				
235	5	113	13	3700.	43.92	6.000
7.271		4.000				
236	5	113	14	3700.	492.9	6.000
81.59		4.000				
237	5	114	14	3700.	534.0	6.000
88.40		4.000				
238	5	114	15	3700.	2.786	6.000
0.4612		4.000				
239	5	115	15	3700.	536.8	6.000
88.86		4.000				
240	5	116	15	3700.	487.3	6.000
80.67		4.000				
241	5	116	16	3700.	49.49	6.000
8.193		4.000				
242	5	117	16	3700.	536.8	6.000
88.86		4.000				
243	5	118	16	3700.	440.6	6.000
72.94		4.000				
244	5	118	17	3700.	96.20	6.000

15.93		4.000				
245	5	119	17	3700.	536.8	6.000
88.86		4.000				
246	5	120	17	3700.	393.9	6.000
65.21		4.000				
247	5	120	18	3700.	142.9	6.000
23.66		4.000				
248	5	121	18	3700.	536.8	6.000
88.86		4.000				
249	5	122	18	3700.	347.2	6.000
57.47		4.000				
250	5	122	19	3700.	189.6	6.000
31.39		4.000				
251	5	123	19	3700.	536.8	6.000
88.86		4.000				
252	5	124	19	3700.	300.5	6.000
49.74		4.000				
253	5	124	20	3700.	236.3	6.000
39.12		4.000				
254	5	125	20	3700.	489.1	6.000
80.96		4.000				
255	5	125	21	3700.	498.7	6.000
82.56		4.000				
256	5	125	22	3700.	311.4	6.000
51.55		4.000				
257	5	126	22	3700.	187.4	6.000
31.02		4.000				
258	5	126	23	3700.	498.7	6.000
82.56		4.000				
259	5	126	24	3700.	498.7	6.000
82.56		4.000				
260	5	126	25	3700.	498.7	6.000
82.56		4.000				
261	5	126	26	3700.	84.23	6.000
13.94		4.000				
262	5	127	26	3700.	414.5	6.000
68.62		4.000				
263	5	127	27	3700.	498.7	6.000
82.56		4.000				
264	5	127	28	3700.	498.7	6.000
82.56		4.000				
265	5	127	29	3700.	355.8	6.000
58.91		4.000				
266	5	128	29	3700.	142.9	6.000
23.66		4.000				
267	5	128	30	3700.	498.7	6.000
82.56		4.000				
268	5	128	31	3700.	498.7	6.000
82.56		4.000				
269	5	128	32	3700.	498.7	6.000
82.56		4.000				
270	5	128	33	3700.	128.7	6.000
21.30		4.000				
271	5	129	33	3700.	370.1	6.000
61.26		4.000				
272	5	129	34	3700.	498.7	6.000
82.56		4.000				
273	5	129	35	3700.	498.7	6.000
82.56		4.000				
274	5	129	36	3700.	400.3	6.000

66.26		4.000				
275	5	130	36	3700.	91.73	6.000
15.18		4.000				
276	5	130	37	3700.	447.3	6.000
74.04		4.000				
277	5	130	38	3700.	406.6	6.000
67.31		4.000				
278	5	130	39	3700.	369.7	6.000
61.19		4.000				
279	5	130	40	3700.	336.0	6.000
55.63		4.000				
280	5	130	41	3700.	116.5	6.000
19.29		4.000				
281	5	131	41	3700.	189.0	6.000
31.29		4.000				
282	5	131	42	3700.	277.7	6.000
45.98		4.000				
283	5	131	43	3700.	252.5	6.000
41.80		4.000				
284	5	131	44	3700.	229.5	6.000
38.00		4.000				
285	5	131	45	3700.	208.7	6.000
34.54		4.000				
286	5	131	46	3700.	189.7	6.000
31.40		4.000				
287	5	131	47	3700.	172.4	6.000
28.55		4.000				
288	5	131	48	3700.	156.8	6.000
25.95		4.000				
289	5	131	49	3700.	91.55	6.000
15.16		4.000				
290	5	132	49	3700.	80.89	6.000
13.39		4.000				
291	5	132	50	3700.	189.7	6.000
31.40		4.000				
292	5	132	51	3700.	207.9	6.000
34.42		4.000				
293	5	132	52	3700.	228.1	6.000
37.75		4.000				
294	5	132	53	3700.	54.24	6.000
8.979		4.000				
295	5	131	53	3700.	196.6	6.000
32.55		4.000				
296	5	131	54	3700.	275.9	6.000
45.68		4.000				
297	5	131	55	3700.	303.5	6.000
50.25		4.000				
298	5	131	56	3700.	333.9	6.000
55.27		4.000				
299	5	131	57	3700.	367.3	6.000
60.80		4.000				
300	5	131	58	3700.	404.0	6.000
66.88		4.000				
301	5	131	59	3700.	55.19	6.000
9.137		4.000				
302	5	130	59	3700.	389.2	6.000
64.43		4.000				
303	5	130	60	3700.	487.6	6.000
80.72		4.000				
304	5	130	61	3700.	487.6	6.000

80.72		4.000				
305	5	130	62	3700.	487.6	6.000
80.72		4.000				
306	5	130	63	3700.	84.43	6.000
13.98		4.000				
307	5	129	63	3700.	403.2	6.000
66.74		4.000				
308	5	129	64	3700.	487.6	6.000
80.72		4.000				
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80.72		4.000				
310	5	129	66	3700.	487.6	6.000
80.72		4.000				
311	5	129	67	3700.	70.47	6.000
11.67		4.000				
312	5	128	67	3700.	417.1	6.000
69.06		4.000				
313	5	128	68	3700.	487.6	6.000
80.72		4.000				
314	5	128	69	3700.	487.6	6.000
80.72		4.000				
315	5	128	70	3700.	487.6	6.000
80.72		4.000				
316	5	128	71	3700.	56.51	6.000
9.355		4.000				
317	5	127	71	3700.	431.1	6.000
71.37		4.000				
318	5	127	72	3700.	487.6	6.000
80.72		4.000				
319	5	127	73	3700.	487.6	6.000
80.72		4.000				
320	5	127	74	3700.	487.6	6.000
80.72		4.000				
321	5	127	75	3700.	42.55	6.000
7.044		4.000				
322	5	126	75	3700.	445.1	6.000
73.68		4.000				
323	5	126	76	3700.	487.6	6.000
80.72		4.000				
324	5	126	77	3700.	487.6	6.000
80.72		4.000				
325	5	126	78	3700.	487.6	6.000
80.72		4.000				
326	5	126	79	3700.	28.59	6.000
4.733		4.000				
327	5	125	79	3700.	459.0	6.000
75.99		4.000				
328	5	125	80	3700.	588.0	6.000
97.33		4.000				
329	5	124	80	3700.	158.7	6.000
26.28		4.000				
330	5	124	81	3700.	377.7	6.000
62.53		4.000				
331	5	123	81	3700.	536.4	6.000
88.80		4.000				
332	5	122	81	3700.	98.79	6.000
16.35		4.000				
333	5	122	82	3700.	437.6	6.000
72.45		4.000				
334	5	121	82	3700.	536.4	6.000

88.80		4.000				
335	5	120	82	3700.	38.86	6.000
6.433		4.000				
336	5	120	83	3700.	497.6	6.000
82.37		4.000				
337	5	119	83	3700.	515.4	6.000
85.31		4.000				
338	5	119	84	3700.	21.08	6.000
3.489		4.000				
339	5	118	84	3700.	536.4	6.000
88.80		4.000				
340	5	117	84	3700.	455.4	6.000
75.39		4.000				
341	5	117	85	3700.	81.01	6.000
13.41		4.000				
342	5	116	85	3700.	536.4	6.000
88.80		4.000				
343	5	115	85	3700.	395.5	6.000
65.47		4.000				
344	5	115	86	3700.	140.9	6.000
23.33		4.000				
345	5	114	86	3700.	536.4	6.000
88.80		4.000				
346	5	113	86	3700.	335.6	6.000
55.55		4.000				
347	5	113	87	3700.	200.9	6.000
33.25		4.000				
348	5	112	87	3700.	536.4	6.000
88.80		4.000				
349	5	111	87	3700.	275.6	6.000
45.63		4.000				
350	5	111	88	3700.	260.8	6.000
43.18		4.000				
351	5	110	88	3700.	536.4	6.000
88.80		4.000				
352	5	109	88	3700.	215.7	6.000
35.71		4.000				
353	5	109	89	3700.	320.7	6.000
53.10		4.000				
354	5	108	89	3700.	536.4	6.000
88.80		4.000				
355	5	107	89	3700.	155.8	6.000
25.79		4.000				
356	5	107	90	3700.	380.7	6.000
63.02		4.000				
357	5	106	90	3700.	536.4	6.000
88.80		4.000				
358	5	105	90	3700.	95.83	6.000
15.86		4.000				
359	5	105	91	3700.	440.6	6.000
72.94		4.000				
360	5	104	91	3700.	536.4	6.000
88.80		4.000				
361	5	103	91	3700.	35.89	6.000
5.942		4.000				
362	5	103	92	3700.	500.5	6.000
82.86		4.000				
363	5	102	92	3700.	495.9	6.000
82.10		4.000				
364	5	101	92	3700.	475.6	6.000

78.73		4.000				
365	5	100	92	3700.	475.6	6.000
78.73		4.000				
366	5	99	92	3700.	475.6	6.000
78.73		4.000				
367	5	98	92	3700.	475.6	6.000
78.73		4.000				
368	5	97	92	3700.	25.21	6.000
4.173		4.000				
369	5	97	93	3700.	450.4	6.000
74.55		4.000				
370	5	96	93	3700.	475.6	6.000
78.73		4.000				
371	5	95	93	3700.	475.6	6.000
78.73		4.000				
372	5	94	93	3700.	475.6	6.000
78.73		4.000				
373	5	93	93	3700.	475.6	6.000
78.73		4.000				
374	5	92	93	3700.	475.6	6.000
78.73		4.000				
375	5	91	93	3700.	475.6	6.000
78.73		4.000				
376	5	90	93	3700.	475.6	6.000
78.73		4.000				
377	5	89	93	3700.	475.6	6.000
78.73		4.000				
378	5	88	93	3700.	475.6	6.000
78.73		4.000				
379	5	87	93	3700.	475.6	6.000
78.73		4.000				
380	5	86	93	3700.	475.6	6.000
78.73		4.000				
381	5	85	93	3700.	475.6	6.000
78.73		4.000				
382	5	84	93	3700.	475.1	6.000
78.65		4.000				
383	5	83	93	3700.	192.8	6.000
31.92		4.000				
384	5	83	94	3700.	239.1	6.000
39.58		4.000				
385	5	82	94	3700.	392.6	6.000
65.00		4.000				
386	5	81	94	3700.	356.9	6.000
59.09		4.000				
387	5	80	94	3700.	324.5	6.000
53.72		4.000				
388	5	79	94	3700.	295.0	6.000
48.84		4.000				
389	5	78	94	3700.	268.2	6.000
44.40		4.000				
390	5	77	94	3700.	243.8	6.000
40.36		4.000				
391	5	76	94	3700.	221.6	6.000
36.69		4.000				
392	5	75	94	3700.	201.5	6.000
33.36		4.000				
393	5	74	94	3700.	183.2	6.000
30.32		4.000				
394	5	73	94	3700.	166.5	6.000

27.57		4.000				
395	5	72	94	3700.	151.4	6.000
25.06		4.000				
396	5	71	94	3700.	166.5	6.000
27.57		4.000				
397	5	70	94	3700.	183.2	6.000
30.32		4.000				
398	5	69	94	3700.	201.5	6.000
33.36		4.000				
399	5	68	94	3700.	221.6	6.000
36.69		4.000				
400	5	67	94	3700.	243.8	6.000
40.36		4.000				
401	5	66	94	3700.	268.2	6.000
44.40		4.000				
402	5	65	94	3700.	295.0	6.000
48.84		4.000				
403	5	64	94	3700.	324.5	6.000
53.72		4.000				
404	5	63	94	3700.	356.9	6.000
59.09		4.000				
405	5	62	94	3700.	392.6	6.000
65.00		4.000				
406	5	61	94	3700.	431.9	6.000
71.50		4.000				
407	5	60	94	3700.	475.1	6.000
78.65		4.000				
408	5	59	94	3700.	477.3	6.000
79.01		4.000				
409	5	58	94	3700.	477.3	6.000
79.01		4.000				
410	5	57	94	3700.	477.3	6.000
79.01		4.000				
411	5	56	94	3700.	477.3	6.000
79.01		4.000				
412	5	55	94	3700.	477.3	6.000
79.01		4.000				
413	5	54	94	3700.	477.3	6.000
79.01		4.000				
414	5	53	94	3700.	477.3	6.000
79.01		4.000				
415	5	52	94	3700.	477.3	6.000
79.01		4.000				
416	5	51	94	3700.	477.3	6.000
79.01		4.000				
417	5	50	94	3700.	477.3	6.000
79.01		4.000				
418	5	49	94	3700.	477.3	6.000
79.01		4.000				
419	5	48	94	3700.	477.3	6.000
79.01		4.000				
420	5	47	94	3700.	272.6	6.000
45.13		4.000				
421	5	47	93	3700.	204.7	6.000
33.88		4.000				
422	5	46	93	3700.	477.3	6.000
79.01		4.000				
423	5	45	93	3700.	477.3	6.000
79.01		4.000				
424	5	44	93	3700.	477.3	6.000

79.01		4.000				
425	5	43	93	3700.	477.3	6.000
79.01		4.000				
426	5	42	93	3700.	477.3	6.000
79.01		4.000				
427	5	41	93	3700.	477.3	6.000
79.01		4.000				
428	5	40	93	3700.	477.3	6.000
79.01		4.000				
429	5	39	93	3700.	313.5	6.000
51.90		4.000				
430	5	103	9	3700.	1312.	6.000
6.558		5.000				
431	5	104	9	3700.	0.1777E+05	6.000
88.86		5.000				
432	5	105	9	3700.	7640.	6.000
38.20		5.000				
433	5	105	10	3700.	0.1013E+05	6.000
50.67		5.000				
434	5	106	10	3700.	0.1777E+05	6.000
88.86		5.000				
435	5	107	10	3700.	6093.	6.000
30.47		5.000				
436	5	107	11	3700.	0.1168E+05	6.000
58.40		5.000				
437	5	108	11	3700.	5953.	6.000
29.76		5.000				
438	6	33	92	2900.	0.000	6.000
20.81		6.000				
439	6	32	92	2900.	0.000	6.000
91.24		6.000				
440	6	32	91	2900.	0.000	6.000
12.13		6.000				
441	6	31	91	2900.	0.000	6.000
103.4		6.000				
442	6	30	91	2900.	0.000	6.000
5.405		6.000				
443	6	30	90	2900.	0.000	6.000
97.96		6.000				
444	6	29	90	2900.	0.000	6.000
22.94		6.000				
445	6	29	89	2900.	0.000	6.000
80.43		6.000				
446	6	28	89	2900.	0.000	6.000
40.48		6.000				
447	6	28	88	2900.	0.000	6.000
62.89		6.000				
448	6	27	88	2900.	0.000	6.000
58.01		6.000				
449	6	27	87	2900.	0.000	6.000
45.36		6.000				
450	6	26	87	2900.	0.000	6.000
75.55		6.000				
451	6	26	86	2900.	0.000	6.000
27.82		6.000				
452	6	25	86	2900.	0.000	6.000
93.08		6.000				
453	6	25	85	2900.	0.000	6.000
10.29		6.000				
454	6	24	85	2900.	0.000	6.000

103.4	6.000					
455	6	23	85	2900.	0.000	6.000
7.250	6.000					
456	6	23	84	2900.	0.000	6.000
96.12	6.000					
457	6	22	84	2900.	0.000	6.000
24.79	6.000					
458	6	22	83	2900.	0.000	6.000
78.58	6.000					
459	6	21	83	2900.	0.000	6.000
42.32	6.000					
460	6	21	82	2900.	0.000	6.000
61.05	6.000					
461	6	20	82	2900.	0.000	6.000
59.86	6.000					
462	6	20	81	2900.	0.000	6.000
43.51	6.000					
463	6	19	81	2900.	0.000	6.000
77.39	6.000					
464	6	19	80	2900.	0.000	6.000
25.98	6.000					
465	6	18	80	2900.	0.000	6.000
94.93	6.000					
466	6	18	79	2900.	0.000	6.000
8.440	6.000					
467	6	17	79	2900.	0.000	6.000
103.4	6.000					
468	6	16	79	2900.	0.000	6.000
9.095	6.000					
469	6	16	78	2900.	0.000	6.000
94.27	6.000					
470	6	15	78	2900.	0.000	6.000
26.63	6.000					
471	6	15	77	2900.	0.000	6.000
76.74	6.000					
472	6	14	77	2900.	0.000	6.000
44.17	6.000					
473	6	14	76	2900.	0.000	6.000
59.20	6.000					
474	6	13	76	2900.	0.000	6.000
61.70	6.000					
475	6	13	75	2900.	0.000	6.000
41.67	6.000					
476	6	12	75	2900.	0.000	6.000
79.24	6.000					
477	6	12	74	2900.	0.000	6.000
24.13	6.000					
478	6	11	74	2900.	0.000	6.000
96.77	6.000					
479	6	11	73	2900.	0.000	6.000
6.595	6.000					
480	6	10	73	2900.	0.000	6.000
103.4	6.000					
481	6	9	73	2900.	0.000	6.000
10.94	6.000					
482	6	9	72	2900.	0.000	6.000
82.14	6.000					
483	6	9	71	2900.	0.000	6.000
78.62	6.000					
484	6	9	70	2900.	0.000	6.000

78.62		6.000				
485	6	9	69	2900.	0.000	6.000
78.62		6.000				
486	6	9	68	2900.	0.000	6.000
78.62		6.000				
487	6	9	67	2900.	0.000	6.000
78.62		6.000				
488	6	9	66	2900.	0.000	6.000
78.62		6.000				
489	6	9	65	2900.	0.000	6.000
78.62		6.000				
490	6	9	64	2900.	0.000	6.000
34.60		6.000				
491	6	8	64	2900.	0.000	6.000
44.02		6.000				
492	6	8	63	2900.	0.000	6.000
78.62		6.000				
493	6	8	62	2900.	0.000	6.000
78.62		6.000				
494	6	8	61	2900.	0.000	6.000
78.62		6.000				
495	6	8	60	2900.	0.000	6.000
78.62		6.000				
496	6	8	59	2900.	0.000	6.000
71.66		6.000				
497	6	8	58	2900.	0.000	6.000
65.14		6.000				
498	6	8	57	2900.	0.000	6.000
59.22		6.000				
499	6	8	56	2900.	0.000	6.000
53.84		6.000				
500	6	8	55	2900.	0.000	6.000
48.94		6.000				
501	6	8	54	2900.	0.000	6.000
44.49		6.000				
502	6	8	53	2900.	0.000	6.000
40.45		6.000				
503	6	8	52	2900.	0.000	6.000
36.77		6.000				
504	6	8	51	2900.	0.000	6.000
33.43		6.000				
505	6	8	50	2900.	0.000	6.000
11.99		6.000				
506	6	7	50	2900.	0.000	6.000
18.40		6.000				
507	6	7	49	2900.	0.000	6.000
27.63		6.000				
508	6	7	48	2900.	0.000	6.000
25.11		6.000				
509	6	7	47	2900.	0.000	6.000
27.63		6.000				
510	6	7	46	2900.	0.000	6.000
30.39		6.000				
511	6	7	45	2900.	0.000	6.000
33.43		6.000				
512	6	7	44	2900.	0.000	6.000
36.77		6.000				
513	6	7	43	2900.	0.000	6.000
40.45		6.000				
514	6	7	42	2900.	0.000	6.000

44.49		6.000				
515	6	7	41	2900.	0.000	6.000
48.94		6.000				
516	6	7	40	2900.	0.000	6.000
53.84		6.000				
517	6	7	39	2900.	0.000	6.000
59.22		6.000				
518	6	7	38	2900.	0.000	6.000
65.14		6.000				
519	6	7	37	2900.	0.000	6.000
71.66		6.000				
520	6	7	36	2900.	0.000	6.000
78.82		6.000				
521	6	7	35	2900.	0.000	6.000
79.90		6.000				
522	6	7	34	2900.	0.000	6.000
79.90		6.000				
523	6	7	33	2900.	0.000	6.000
2.719		6.000				
524	6	6	33	2900.	0.000	6.000
77.18		6.000				
525	6	6	32	2900.	0.000	6.000
79.90		6.000				
526	6	6	31	2900.	0.000	6.000
27.42		6.000				
527	6	39	93	2900.	0.000	6.000
27.11		7.000				
528	6	38	93	2900.	0.000	6.000
79.01		7.000				
529	6	37	93	2900.	0.000	6.000
79.01		7.000				
530	6	36	93	2900.	0.000	6.000
79.01		7.000				
531	6	35	93	2900.	0.000	6.000
79.01		7.000				
532	6	34	93	2900.	0.000	6.000
65.40		7.000				
533	6	34	92	2900.	0.000	6.000
13.61		7.000				
534	6	33	92	2900.	0.000	6.000
63.10		7.000				
535	6	6	31	2900.	0.000	6.000
36.14		8.000				
536	6	7	31	2900.	0.000	6.000
23.71		8.000				
537	6	7	30	2900.	0.000	6.000
91.12		8.000				
538	6	7	29	2900.	0.000	6.000
46.65		8.000				
539	6	8	29	2900.	0.000	6.000
44.47		8.000				
540	6	8	28	2900.	0.000	6.000
91.12		8.000				
541	6	8	27	2900.	0.000	6.000
25.89		8.000				
542	6	9	27	2900.	0.000	6.000
65.23		8.000				
543	6	9	26	2900.	0.000	6.000
91.12		8.000				
544	6	9	25	2900.	0.000	6.000

5.133		8.000				
545	6	10	25	2900.	0.000	6.000
85.98		8.000				
546	6	10	24	2900.	0.000	6.000
75.49		8.000				
547	6	11	24	2900.	0.000	6.000
15.62		8.000				
548	6	11	23	2900.	0.000	6.000
91.12		8.000				
549	6	11	22	2900.	0.000	6.000
54.74		8.000				
550	6	12	22	2900.	0.000	6.000
36.38		8.000				
551	6	12	21	2900.	0.000	6.000
91.12		8.000				
552	6	12	20	2900.	0.000	6.000
33.98		8.000				
553	6	13	20	2900.	0.000	6.000
57.14		8.000				
554	6	13	19	2900.	0.000	6.000
91.12		8.000				
555	6	13	18	2900.	0.000	6.000
13.22		8.000				
556	6	14	18	2900.	0.000	6.000
77.89		8.000				
557	6	14	17	2900.	0.000	6.000
83.58		8.000				
558	6	15	17	2900.	0.000	6.000
7.533		8.000				
559	6	15	16	2900.	0.000	6.000
86.88		8.000				
560	6	16	16	2900.	0.000	6.000
81.04		8.000				
561	6	16	15	2900.	0.000	6.000
7.787		8.000				
562	6	17	15	2900.	0.000	6.000
88.82		8.000				
563	6	18	15	2900.	0.000	6.000
75.65		8.000				
564	6	18	14	2900.	0.000	6.000
13.17		8.000				
565	6	19	14	2900.	0.000	6.000
88.82		8.000				
566	6	20	14	2900.	0.000	6.000
70.27		8.000				
567	6	20	13	2900.	0.000	6.000
18.55		8.000				
568	6	21	13	2900.	0.000	6.000
88.82		8.000				
569	6	22	13	2900.	0.000	6.000
64.89		8.000				
570	6	22	12	2900.	0.000	6.000
23.94		8.000				
571	6	23	12	2900.	0.000	6.000
88.82		8.000				
572	6	24	12	2900.	0.000	6.000
59.50		8.000				
573	6	24	11	2900.	0.000	6.000
29.32		8.000				
574	6	25	11	2900.	0.000	6.000

88.82		8.000				
575	6	26	11	2900.	0.000	6.000
54.12		8.000				
576	6	26	10	2900.	0.000	6.000
34.70		8.000				
577	6	27	10	2900.	0.000	6.000
88.82		8.000				
578	6	28	10	2900.	0.000	6.000
48.74		8.000				
579	6	28	9	2900.	0.000	6.000
40.09		8.000				
580	6	29	9	2900.	0.000	6.000
88.82		8.000				
581	6	30	9	2900.	0.000	6.000
43.35		8.000				
582	6	30	8	2900.	0.000	6.000
45.47		8.000				
583	6	31	8	2900.	0.000	6.000
88.82		8.000				
584	6	32	8	2900.	0.000	6.000
37.97		8.000				
585	6	32	7	2900.	0.000	6.000
50.85		8.000				
586	6	33	7	2900.	0.000	6.000
88.33		8.000				
587	6	34	7	2900.	0.000	6.000
78.99		8.000				
588	6	35	7	2900.	0.000	6.000
78.99		8.000				
589	6	36	7	2900.	0.000	6.000
78.61		8.000				
590	6	36	6	2900.	0.000	6.000
0.3787		8.000				
591	6	37	6	2900.	0.000	6.000
78.99		8.000				
592	6	38	6	2900.	0.000	6.000
78.99		8.000				
593	6	39	6	2900.	0.000	6.000
78.99		8.000				
594	6	40	6	2900.	0.000	6.000
78.99		8.000				
595	6	41	6	2900.	0.000	6.000
78.99		8.000				
596	6	42	6	2900.	0.000	6.000
78.99		8.000				
597	6	43	6	2900.	0.000	6.000
78.99		8.000				
598	6	44	6	2900.	0.000	6.000
78.99		8.000				
599	6	45	6	2900.	0.000	6.000
78.99		8.000				
600	6	46	6	2900.	0.000	6.000
78.99		8.000				
601	6	47	6	2900.	0.000	6.000
78.99		8.000				
602	6	48	6	2900.	0.000	6.000
78.99		8.000				
603	6	49	6	2900.	0.000	6.000
78.99		8.000				
604	6	50	6	2900.	0.000	6.000

78.99		8.000				
605	6	51	6	2900.	0.000	6.000
13.23		8.000				
606	6	51	5	2900.	0.000	6.000
65.75		8.000				
607	6	52	5	2900.	0.000	6.000
78.99		8.000				
608	6	53	5	2900.	0.000	6.000
78.99		8.000				
609	6	54	5	2900.	0.000	6.000
78.99		8.000				
610	6	55	5	2900.	0.000	6.000
78.99		8.000				
611	6	56	5	2900.	0.000	6.000
78.99		8.000				
612	6	57	5	2900.	0.000	6.000
78.99		8.000				
613	6	58	5	2900.	0.000	6.000
78.99		8.000				
614	6	59	5	2900.	0.000	6.000
78.99		8.000				
615	6	60	5	2900.	0.000	6.000
78.66		8.000				
616	6	61	5	2900.	0.000	6.000
71.51		8.000				
617	6	62	5	2900.	0.000	6.000
65.01		8.000				
618	6	63	5	2900.	0.000	6.000
59.10		8.000				
619	6	64	5	2900.	0.000	6.000
53.73		8.000				
620	6	65	5	2900.	0.000	6.000
48.84		8.000				
621	6	66	5	2900.	0.000	6.000
44.40		8.000				
622	6	67	5	2900.	0.000	6.000
0.5477		8.000				
623	6	67	4	2900.	0.000	6.000
38.29		8.000				
624	6	67	5	2900.	0.000	6.000
1.650		8.000				
625	6	68	5	2900.	0.000	6.000
37.01		8.000				
626	6	69	5	2900.	0.000	6.000
33.65		8.000				
627	6	70	5	2900.	0.000	6.000
30.59		8.000				
628	6	71	5	2900.	0.000	6.000
27.81		8.000				
629	6	72	5	2900.	0.000	6.000
25.28		8.000				
630	6	73	5	2900.	0.000	6.000
27.81		8.000				
631	6	74	5	2900.	0.000	6.000
30.59		8.000				
632	6	75	5	2900.	0.000	6.000
33.65		8.000				
633	6	76	5	2900.	0.000	6.000
37.01		8.000				
634	6	77	5	2900.	0.000	6.000

40.72		8.000				
635	6	78	5	2900.	0.000	6.000
44.79		8.000				
636	6	79	5	2900.	0.000	6.000
49.27		8.000				
637	6	80	5	2900.	0.000	6.000
54.19		8.000				
638	6	81	5	2900.	0.000	6.000
59.61		8.000				
639	6	82	5	2900.	0.000	6.000
1.216		8.000				
640	6	82	6	2900.	0.000	6.000
64.36		8.000				
641	6	83	6	2900.	0.000	6.000
72.13		8.000				
642	6	84	6	2900.	0.000	6.000
79.34		8.000				
643	6	85	6	2900.	0.000	6.000
79.42		8.000				
644	6	86	6	2900.	0.000	6.000
79.42		8.000				
645	6	87	6	2900.	0.000	6.000
79.42		8.000				
646	6	88	6	2900.	0.000	6.000
79.42		8.000				
647	6	89	6	2900.	0.000	6.000
1.329		8.000				
648	6	89	7	2900.	0.000	6.000
78.09		8.000				
649	6	90	7	2900.	0.000	6.000
79.42		8.000				
650	6	91	7	2900.	0.000	6.000
79.42		8.000				
651	6	92	7	2900.	0.000	6.000
79.42		8.000				
652	6	93	7	2900.	0.000	6.000
79.42		8.000				
653	6	94	7	2900.	0.000	6.000
79.42		8.000				
654	6	95	7	2900.	0.000	6.000
59.65		8.000				
655	6	95	8	2900.	0.000	6.000
19.78		8.000				
656	6	96	8	2900.	0.000	6.000
79.42		8.000				
657	6	97	8	2900.	0.000	6.000
79.42		8.000				
658	6	98	8	2900.	0.000	6.000
79.42		8.000				
659	6	99	8	2900.	0.000	6.000
79.42		8.000				
660	6	100	8	2900.	0.000	6.000
79.42		8.000				
661	6	101	8	2900.	0.000	6.000
79.42		8.000				
662	6	102	8	2900.	0.000	6.000
38.54		8.000				
663	6	102	9	2900.	0.000	6.000
40.88		8.000				
664	6	103	9	2900.	0.000	6.000

73.56		8.000				
665	6	108	11	2900.	0.000	6.000
59.10		9.000				
666	6	109	11	2900.	0.000	6.000
22.74		9.000				
667	6	109	12	2900.	0.000	6.000
66.13		9.000				
668	6	110	12	2900.	0.000	6.000
88.86		9.000				
669	6	111	12	2900.	0.000	6.000
15.00		9.000				
670	6	111	13	2900.	0.000	6.000
73.86		9.000				
671	6	112	13	2900.	0.000	6.000
88.86		9.000				
672	6	113	13	2900.	0.000	6.000
7.271		9.000				
673	6	113	14	2900.	0.000	6.000
81.59		9.000				
674	6	114	14	2900.	0.000	6.000
88.40		9.000				
675	6	114	15	2900.	0.000	6.000
0.4612		9.000				
676	6	115	15	2900.	0.000	6.000
88.86		9.000				
677	6	116	15	2900.	0.000	6.000
80.67		9.000				
678	6	116	16	2900.	0.000	6.000
8.193		9.000				
679	6	117	16	2900.	0.000	6.000
88.86		9.000				
680	6	118	16	2900.	0.000	6.000
72.94		9.000				
681	6	118	17	2900.	0.000	6.000
15.93		9.000				
682	6	119	17	2900.	0.000	6.000
88.86		9.000				
683	6	120	17	2900.	0.000	6.000
65.21		9.000				
684	6	120	18	2900.	0.000	6.000
23.66		9.000				
685	6	121	18	2900.	0.000	6.000
88.86		9.000				
686	6	122	18	2900.	0.000	6.000
57.47		9.000				
687	6	122	19	2900.	0.000	6.000
31.39		9.000				
688	6	123	19	2900.	0.000	6.000
88.86		9.000				
689	6	124	19	2900.	0.000	6.000
49.74		9.000				
690	6	124	20	2900.	0.000	6.000
39.12		9.000				
691	6	125	20	2900.	0.000	6.000
80.96		9.000				
692	6	125	21	2900.	0.000	6.000
82.56		9.000				
693	6	125	22	2900.	0.000	6.000
51.55		9.000				
694	6	126	22	2900.	0.000	6.000

31.02		9.000				
695	6	126	23	2900.	0.000	6.000
82.56		9.000				
696	6	126	24	2900.	0.000	6.000
82.56		9.000				
697	6	126	25	2900.	0.000	6.000
82.56		9.000				
698	6	126	26	2900.	0.000	6.000
13.94		9.000				
699	6	127	26	2900.	0.000	6.000
68.62		9.000				
700	6	127	27	2900.	0.000	6.000
82.56		9.000				
701	6	127	28	2900.	0.000	6.000
82.56		9.000				
702	6	127	29	2900.	0.000	6.000
58.91		9.000				
703	6	128	29	2900.	0.000	6.000
23.66		9.000				
704	6	128	30	2900.	0.000	6.000
82.56		9.000				
705	6	128	31	2900.	0.000	6.000
82.56		9.000				
706	6	128	32	2900.	0.000	6.000
82.56		9.000				
707	6	128	33	2900.	0.000	6.000
21.30		9.000				
708	6	129	33	2900.	0.000	6.000
61.26		9.000				
709	6	129	34	2900.	0.000	6.000
82.56		9.000				
710	6	129	35	2900.	0.000	6.000
82.56		9.000				
711	6	129	36	2900.	0.000	6.000
66.26		9.000				
712	6	130	36	2900.	0.000	6.000
15.18		9.000				
713	6	130	37	2900.	0.000	6.000
74.04		9.000				
714	6	130	38	2900.	0.000	6.000
67.31		9.000				
715	6	130	39	2900.	0.000	6.000
61.19		9.000				
716	6	130	40	2900.	0.000	6.000
55.63		9.000				
717	6	130	41	2900.	0.000	6.000
19.29		9.000				
718	6	131	41	2900.	0.000	6.000
31.29		9.000				
719	6	131	42	2900.	0.000	6.000
45.98		9.000				
720	6	131	43	2900.	0.000	6.000
41.80		9.000				
721	6	131	44	2900.	0.000	6.000
38.00		9.000				
722	6	131	45	2900.	0.000	6.000
34.54		9.000				
723	6	131	46	2900.	0.000	6.000
31.40		9.000				
724	6	131	47	2900.	0.000	6.000

28.55		9.000				
725	6	131	48	2900.	0.000	6.000
25.95		9.000				
726	6	131	49	2900.	0.000	6.000
15.16		9.000				
727	6	132	49	2900.	0.000	6.000
13.39		9.000				
728	6	132	50	2900.	0.000	6.000
31.40		9.000				
729	6	132	51	2900.	0.000	6.000
34.42		9.000				
730	6	132	52	2900.	0.000	6.000
37.75		9.000				
731	6	132	53	2900.	0.000	6.000
8.979		9.000				
732	6	131	53	2900.	0.000	6.000
32.55		9.000				
733	6	131	54	2900.	0.000	6.000
45.68		9.000				
734	6	131	55	2900.	0.000	6.000
50.25		9.000				
735	6	131	56	2900.	0.000	6.000
55.27		9.000				
736	6	131	57	2900.	0.000	6.000
60.80		9.000				
737	6	131	58	2900.	0.000	6.000
66.88		9.000				
738	6	131	59	2900.	0.000	6.000
9.137		9.000				
739	6	130	59	2900.	0.000	6.000
64.43		9.000				
740	6	130	60	2900.	0.000	6.000
80.72		9.000				
741	6	130	61	2900.	0.000	6.000
80.72		9.000				
742	6	130	62	2900.	0.000	6.000
80.72		9.000				
743	6	130	63	2900.	0.000	6.000
13.98		9.000				
744	6	129	63	2900.	0.000	6.000
66.74		9.000				
745	6	129	64	2900.	0.000	6.000
80.72		9.000				
746	6	129	65	2900.	0.000	6.000
80.72		9.000				
747	6	129	66	2900.	0.000	6.000
80.72		9.000				
748	6	129	67	2900.	0.000	6.000
11.67		9.000				
749	6	128	67	2900.	0.000	6.000
69.06		9.000				
750	6	128	68	2900.	0.000	6.000
80.72		9.000				
751	6	128	69	2900.	0.000	6.000
80.72		9.000				
752	6	128	70	2900.	0.000	6.000
80.72		9.000				
753	6	128	71	2900.	0.000	6.000
9.355		9.000				
754	6	127	71	2900.	0.000	6.000

71.37		9.000				
755	6	127	72	2900.	0.000	6.000
80.72		9.000				
756	6	127	73	2900.	0.000	6.000
80.72		9.000				
757	6	127	74	2900.	0.000	6.000
80.72		9.000				
758	6	127	75	2900.	0.000	6.000
7.044		9.000				
759	6	126	75	2900.	0.000	6.000
73.68		9.000				
760	6	126	76	2900.	0.000	6.000
80.72		9.000				
761	6	126	77	2900.	0.000	6.000
80.72		9.000				
762	6	126	78	2900.	0.000	6.000
80.72		9.000				
763	6	126	79	2900.	0.000	6.000
4.733		9.000				
764	6	125	79	2900.	0.000	6.000
75.99		9.000				
765	6	125	80	2900.	0.000	6.000
97.33		9.000				
766	6	124	80	2900.	0.000	6.000
26.28		9.000				
767	6	124	81	2900.	0.000	6.000
62.53		9.000				
768	6	123	81	2900.	0.000	6.000
88.80		9.000				
769	6	122	81	2900.	0.000	6.000
16.35		9.000				
770	6	122	82	2900.	0.000	6.000
72.45		9.000				
771	6	121	82	2900.	0.000	6.000
88.80		9.000				
772	6	120	82	2900.	0.000	6.000
6.433		9.000				
773	6	120	83	2900.	0.000	6.000
82.37		9.000				
774	6	119	83	2900.	0.000	6.000
85.31		9.000				
775	6	119	84	2900.	0.000	6.000
3.489		9.000				
776	6	118	84	2900.	0.000	6.000
88.80		9.000				
777	6	117	84	2900.	0.000	6.000
75.39		9.000				
778	6	117	85	2900.	0.000	6.000
13.41		9.000				
779	6	116	85	2900.	0.000	6.000
88.80		9.000				
780	6	115	85	2900.	0.000	6.000
65.47		9.000				
781	6	115	86	2900.	0.000	6.000
23.33		9.000				
782	6	114	86	2900.	0.000	6.000
88.80		9.000				
783	6	113	86	2900.	0.000	6.000
55.55		9.000				
784	6	113	87	2900.	0.000	6.000

33.25		9.000				
785	6	112	87	2900.	0.000	6.000
88.80		9.000				
786	6	111	87	2900.	0.000	6.000
45.63		9.000				
787	6	111	88	2900.	0.000	6.000
43.18		9.000				
788	6	110	88	2900.	0.000	6.000
88.80		9.000				
789	6	109	88	2900.	0.000	6.000
35.71		9.000				
790	6	109	89	2900.	0.000	6.000
53.10		9.000				
791	6	108	89	2900.	0.000	6.000
88.80		9.000				
792	6	107	89	2900.	0.000	6.000
25.79		9.000				
793	6	107	90	2900.	0.000	6.000
63.02		9.000				
794	6	106	90	2900.	0.000	6.000
88.80		9.000				
795	6	105	90	2900.	0.000	6.000
15.86		9.000				
796	6	105	91	2900.	0.000	6.000
72.94		9.000				
797	6	104	91	2900.	0.000	6.000
88.80		9.000				
798	6	103	91	2900.	0.000	6.000
5.942		9.000				
799	6	103	92	2900.	0.000	6.000
82.86		9.000				
800	6	102	92	2900.	0.000	6.000
82.10		9.000				
801	6	101	92	2900.	0.000	6.000
78.73		9.000				
802	6	100	92	2900.	0.000	6.000
78.73		9.000				
803	6	99	92	2900.	0.000	6.000
78.73		9.000				
804	6	98	92	2900.	0.000	6.000
78.73		9.000				
805	6	97	92	2900.	0.000	6.000
4.173		9.000				
806	6	97	93	2900.	0.000	6.000
74.55		9.000				
807	6	96	93	2900.	0.000	6.000
78.73		9.000				
808	6	95	93	2900.	0.000	6.000
78.73		9.000				
809	6	94	93	2900.	0.000	6.000
78.73		9.000				
810	6	93	93	2900.	0.000	6.000
78.73		9.000				
811	6	92	93	2900.	0.000	6.000
78.73		9.000				
812	6	91	93	2900.	0.000	6.000
78.73		9.000				
813	6	90	93	2900.	0.000	6.000
78.73		9.000				
814	6	89	93	2900.	0.000	6.000

78.73		9.000				
815	6	88	93	2900.	0.000	6.000
78.73		9.000				
816	6	87	93	2900.	0.000	6.000
78.73		9.000				
817	6	86	93	2900.	0.000	6.000
78.73		9.000				
818	6	85	93	2900.	0.000	6.000
78.73		9.000				
819	6	84	93	2900.	0.000	6.000
78.65		9.000				
820	6	83	93	2900.	0.000	6.000
31.92		9.000				
821	6	83	94	2900.	0.000	6.000
39.58		9.000				
822	6	82	94	2900.	0.000	6.000
65.00		9.000				
823	6	81	94	2900.	0.000	6.000
59.09		9.000				
824	6	80	94	2900.	0.000	6.000
53.72		9.000				
825	6	79	94	2900.	0.000	6.000
48.84		9.000				
826	6	78	94	2900.	0.000	6.000
44.40		9.000				
827	6	77	94	2900.	0.000	6.000
40.36		9.000				
828	6	76	94	2900.	0.000	6.000
36.69		9.000				
829	6	75	94	2900.	0.000	6.000
33.36		9.000				
830	6	74	94	2900.	0.000	6.000
30.32		9.000				
831	6	73	94	2900.	0.000	6.000
27.57		9.000				
832	6	72	94	2900.	0.000	6.000
25.06		9.000				
833	6	71	94	2900.	0.000	6.000
27.57		9.000				
834	6	70	94	2900.	0.000	6.000
30.32		9.000				
835	6	69	94	2900.	0.000	6.000
33.36		9.000				
836	6	68	94	2900.	0.000	6.000
36.69		9.000				
837	6	67	94	2900.	0.000	6.000
40.36		9.000				
838	6	66	94	2900.	0.000	6.000
44.40		9.000				
839	6	65	94	2900.	0.000	6.000
48.84		9.000				
840	6	64	94	2900.	0.000	6.000
53.72		9.000				
841	6	63	94	2900.	0.000	6.000
59.09		9.000				
842	6	62	94	2900.	0.000	6.000
65.00		9.000				
843	6	61	94	2900.	0.000	6.000
71.50		9.000				
844	6	60	94	2900.	0.000	6.000

78.65		9.000				
845	6	59	94	2900.	0.000	6.000
79.01		9.000				
846	6	58	94	2900.	0.000	6.000
79.01		9.000				
847	6	57	94	2900.	0.000	6.000
79.01		9.000				
848	6	56	94	2900.	0.000	6.000
79.01		9.000				
849	6	55	94	2900.	0.000	6.000
79.01		9.000				
850	6	54	94	2900.	0.000	6.000
79.01		9.000				
851	6	53	94	2900.	0.000	6.000
79.01		9.000				
852	6	52	94	2900.	0.000	6.000
79.01		9.000				
853	6	51	94	2900.	0.000	6.000
79.01		9.000				
854	6	50	94	2900.	0.000	6.000
79.01		9.000				
855	6	49	94	2900.	0.000	6.000
79.01		9.000				
856	6	48	94	2900.	0.000	6.000
79.01		9.000				
857	6	47	94	2900.	0.000	6.000
45.13		9.000				
858	6	47	93	2900.	0.000	6.000
33.88		9.000				
859	6	46	93	2900.	0.000	6.000
79.01		9.000				
860	6	45	93	2900.	0.000	6.000
79.01		9.000				
861	6	44	93	2900.	0.000	6.000
79.01		9.000				
862	6	43	93	2900.	0.000	6.000
79.01		9.000				
863	6	42	93	2900.	0.000	6.000
79.01		9.000				
864	6	41	93	2900.	0.000	6.000
79.01		9.000				
865	6	40	93	2900.	0.000	6.000
79.01		9.000				
866	6	39	93	2900.	0.000	6.000
51.90		9.000				
867	6	103	9	2900.	0.000	6.000
6.558		10.00				
868	6	104	9	2900.	0.000	6.000
88.86		10.00				
869	6	105	9	2900.	0.000	6.000
38.20		10.00				
870	6	105	10	2900.	0.000	6.000
50.67		10.00				
871	6	106	10	2900.	0.000	6.000
88.86		10.00				
872	6	107	10	2900.	0.000	6.000
30.47		10.00				
873	6	107	11	2900.	0.000	6.000
58.40		10.00				
874	6	108	11	2900.	0.000	6.000

29.76

10.00

874 GHB CELLS

CHD NO.	LAYER	ROW	COL	START HEAD	END HEAD
1	1	6	31	1562.	1562.
2	1	6	32	3620.	3620.
3	1	6	33	3620.	3620.
4	1	7	33	3620.	3620.
5	1	7	34	3620.	3620.
6	1	7	35	3620.	3620.
7	1	7	36	3620.	3620.
8	1	7	37	3620.	3620.
9	1	7	38	3620.	3620.
10	1	7	39	3620.	3620.
11	1	7	40	3620.	3620.
12	1	7	41	3620.	3620.
13	1	7	42	3620.	3620.
14	1	7	43	3620.	3620.
15	1	7	44	3620.	3620.
16	1	7	45	3620.	3620.
17	1	7	46	3620.	3620.
18	1	7	47	3620.	3620.
19	1	7	48	3620.	3620.
20	1	7	49	3620.	3620.
21	1	7	50	3620.	3620.
22	1	8	50	3620.	3620.
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36	1	8	64	3620.	3620.
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54	1	14	76	3620.	3620.

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56	1	15	77	3620.	3620.
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88	1	32	92	3620.	3620.
89	1	33	92	897.8	897.8
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362	1	132	53	3620.	3620.
363	1	132	52	3620.	3620.
364	1	132	51	2010.	2010.
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366	1	107	11	3620.	3620.
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373	1	132	51	1610.	1610.
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410	1	125	21	3620.	3620.
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413	1	124	19	3620.	3620.
414	1	123	19	3620.	3620.

415	1	122	19	3620.	3620.
416	1	122	18	3620.	3620.
417	1	121	18	3620.	3620.
418	1	120	18	3620.	3620.
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1353	4	9	71	3620.	3620.
1354	4	9	72	3620.	3620.
1355	4	9	73	3620.	3620.
1356	4	10	73	3620.	3620.
1357	4	11	73	3620.	3620.
1358	4	11	74	3620.	3620.
1359	4	12	74	3620.	3620.
1360	4	12	75	3620.	3620.
1361	4	13	75	3620.	3620.
1362	4	13	76	3620.	3620.
1363	4	14	76	3620.	3620.
1364	4	14	77	3620.	3620.
1365	4	15	77	3620.	3620.
1366	4	15	78	3620.	3620.
1367	4	16	78	3620.	3620.
1368	4	16	79	3620.	3620.
1369	4	17	79	3620.	3620.
1370	4	18	79	3620.	3620.
1371	4	18	80	3620.	3620.
1372	4	19	80	3620.	3620.
1373	4	19	81	3620.	3620.
1374	4	20	81	3620.	3620.

1375	4	20	82	3620.	3620.
1376	4	21	82	3620.	3620.
1377	4	21	83	3620.	3620.
1378	4	22	83	3620.	3620.
1379	4	22	84	3620.	3620.
1380	4	23	84	3620.	3620.
1381	4	23	85	3620.	3620.
1382	4	24	85	3620.	3620.
1383	4	25	85	3620.	3620.
1384	4	25	86	3620.	3620.
1385	4	26	86	3620.	3620.
1386	4	26	87	3620.	3620.
1387	4	27	87	3620.	3620.
1388	4	27	88	3620.	3620.
1389	4	28	88	3620.	3620.
1390	4	28	89	3620.	3620.
1391	4	29	89	3620.	3620.
1392	4	29	90	3620.	3620.
1393	4	30	90	3620.	3620.
1394	4	30	91	3620.	3620.
1395	4	31	91	3620.	3620.
1396	4	32	91	3620.	3620.
1397	4	32	92	3620.	3620.
1398	4	33	92	897.8	897.8
1399	4	33	92	2722.	2722.
1400	4	34	92	3620.	3620.
1401	4	34	93	3620.	3620.
1402	4	35	93	3620.	3620.
1403	4	36	93	3620.	3620.
1404	4	37	93	3620.	3620.
1405	4	38	93	3620.	3620.
1406	4	39	93	1242.	1242.
1407	4	103	9	3324.	3324.
1408	4	102	9	3620.	3620.
1409	4	102	8	3620.	3620.
1410	4	101	8	3620.	3620.
1411	4	100	8	3620.	3620.
1412	4	99	8	3620.	3620.
1413	4	98	8	3620.	3620.
1414	4	97	8	3620.	3620.
1415	4	96	8	3620.	3620.
1416	4	95	8	3620.	3620.
1417	4	95	7	3620.	3620.
1418	4	94	7	3620.	3620.
1419	4	93	7	3620.	3620.
1420	4	92	7	3620.	3620.
1421	4	91	7	3620.	3620.
1422	4	90	7	3620.	3620.
1423	4	89	7	3620.	3620.
1424	4	89	6	3620.	3620.
1425	4	88	6	3620.	3620.
1426	4	87	6	3620.	3620.
1427	4	86	6	3620.	3620.
1428	4	85	6	3620.	3620.
1429	4	84	6	3620.	3620.
1430	4	83	6	3620.	3620.
1431	4	82	6	3620.	3620.
1432	4	82	5	3620.	3620.
1433	4	81	5	3620.	3620.
1434	4	80	5	3620.	3620.

1435	4	79	5	3620.	3620.
1436	4	78	5	3620.	3620.
1437	4	77	5	3620.	3620.
1438	4	76	5	3620.	3620.
1439	4	75	5	3620.	3620.
1440	4	74	5	3620.	3620.
1441	4	73	5	3620.	3620.
1442	4	72	5	3620.	3620.
1443	4	71	5	3620.	3620.
1444	4	70	5	3620.	3620.
1445	4	69	5	3620.	3620.
1446	4	68	5	3620.	3620.
1447	4	67	5	3620.	3620.
1448	4	67	4	3620.	3620.
1449	4	66	5	3620.	3620.
1450	4	65	5	3620.	3620.
1451	4	64	5	3620.	3620.
1452	4	63	5	3620.	3620.
1453	4	62	5	3620.	3620.
1454	4	61	5	3620.	3620.
1455	4	60	5	3620.	3620.
1456	4	59	5	3620.	3620.
1457	4	58	5	3620.	3620.
1458	4	57	5	3620.	3620.
1459	4	56	5	3620.	3620.
1460	4	55	5	3620.	3620.
1461	4	54	5	3620.	3620.
1462	4	53	5	3620.	3620.
1463	4	52	5	3620.	3620.
1464	4	51	5	3620.	3620.
1465	4	51	6	3620.	3620.
1466	4	50	6	3620.	3620.
1467	4	49	6	3620.	3620.
1468	4	48	6	3620.	3620.
1469	4	47	6	3620.	3620.
1470	4	46	6	3620.	3620.
1471	4	45	6	3620.	3620.
1472	4	44	6	3620.	3620.
1473	4	43	6	3620.	3620.
1474	4	42	6	3620.	3620.
1475	4	41	6	3620.	3620.
1476	4	40	6	3620.	3620.
1477	4	39	6	3620.	3620.
1478	4	38	6	3620.	3620.
1479	4	37	6	3620.	3620.
1480	4	36	6	3620.	3620.
1481	4	36	7	3620.	3620.
1482	4	35	7	3620.	3620.
1483	4	34	7	3620.	3620.
1484	4	33	7	3620.	3620.
1485	4	32	7	3620.	3620.
1486	4	32	8	3620.	3620.
1487	4	31	8	3620.	3620.
1488	4	30	8	3620.	3620.
1489	4	30	9	3620.	3620.
1490	4	29	9	3620.	3620.
1491	4	28	9	3620.	3620.
1492	4	28	10	3620.	3620.
1493	4	27	10	3620.	3620.
1494	4	26	10	3620.	3620.

1495	4	26	11	3620.	3620.
1496	4	25	11	3620.	3620.
1497	4	24	11	3620.	3620.
1498	4	24	12	3620.	3620.
1499	4	23	12	3620.	3620.
1500	4	22	12	3620.	3620.
1501	4	22	13	3620.	3620.
1502	4	21	13	3620.	3620.
1503	4	20	13	3620.	3620.
1504	4	20	14	3620.	3620.
1505	4	19	14	3620.	3620.
1506	4	18	14	3620.	3620.
1507	4	18	15	3620.	3620.
1508	4	17	15	3620.	3620.
1509	4	16	15	3620.	3620.
1510	4	16	16	3620.	3620.
1511	4	15	16	3620.	3620.
1512	4	15	17	3620.	3620.
1513	4	14	17	3620.	3620.
1514	4	14	18	3620.	3620.
1515	4	13	18	3620.	3620.
1516	4	13	19	3620.	3620.
1517	4	13	20	3620.	3620.
1518	4	12	20	3620.	3620.
1519	4	12	21	3620.	3620.
1520	4	12	22	3620.	3620.
1521	4	11	22	3620.	3620.
1522	4	11	23	3620.	3620.
1523	4	11	24	3620.	3620.
1524	4	10	24	3620.	3620.
1525	4	10	25	3620.	3620.
1526	4	9	25	3620.	3620.
1527	4	9	26	3620.	3620.
1528	4	9	27	3620.	3620.
1529	4	8	27	3620.	3620.
1530	4	8	28	3620.	3620.
1531	4	8	29	3620.	3620.
1532	4	7	29	3620.	3620.
1533	4	7	30	3620.	3620.
1534	4	7	31	3620.	3620.
1535	4	6	31	2058.	2058.
1536	4	39	93	2378.	2378.
1537	4	40	93	3620.	3620.
1538	4	41	93	3620.	3620.
1539	4	42	93	3620.	3620.
1540	4	43	93	3620.	3620.
1541	4	44	93	3620.	3620.
1542	4	45	93	3620.	3620.
1543	4	46	93	3620.	3620.
1544	4	47	93	3620.	3620.
1545	4	47	94	3620.	3620.
1546	4	48	94	3620.	3620.
1547	4	49	94	3620.	3620.
1548	4	50	94	3620.	3620.
1549	4	51	94	3620.	3620.
1550	4	52	94	3620.	3620.
1551	4	53	94	3620.	3620.
1552	4	54	94	3620.	3620.
1553	4	55	94	3620.	3620.
1554	4	56	94	3620.	3620.

1555	4	57	94	3620.	3620.
1556	4	58	94	3620.	3620.
1557	4	59	94	3620.	3620.
1558	4	60	94	3620.	3620.
1559	4	61	94	3620.	3620.
1560	4	62	94	3620.	3620.
1561	4	63	94	3620.	3620.
1562	4	64	94	3620.	3620.
1563	4	65	94	3620.	3620.
1564	4	66	94	3620.	3620.
1565	4	67	94	3620.	3620.
1566	4	68	94	3620.	3620.
1567	4	69	94	3620.	3620.
1568	4	70	94	3620.	3620.
1569	4	71	94	3620.	3620.
1570	4	72	94	3620.	3620.
1571	4	73	94	3620.	3620.
1572	4	74	94	3620.	3620.
1573	4	75	94	3620.	3620.
1574	4	76	94	3620.	3620.
1575	4	77	94	3620.	3620.
1576	4	78	94	3620.	3620.
1577	4	79	94	3620.	3620.
1578	4	80	94	3620.	3620.
1579	4	81	94	3620.	3620.
1580	4	82	94	3620.	3620.
1581	4	83	94	3620.	3620.
1582	4	83	93	3620.	3620.
1583	4	84	93	3620.	3620.
1584	4	85	93	3620.	3620.
1585	4	86	93	3620.	3620.
1586	4	87	93	3620.	3620.
1587	4	88	93	3620.	3620.
1588	4	89	93	3620.	3620.
1589	4	90	93	3620.	3620.
1590	4	91	93	3620.	3620.
1591	4	92	93	3620.	3620.
1592	4	93	93	3620.	3620.
1593	4	94	93	3620.	3620.
1594	4	95	93	3620.	3620.
1595	4	96	93	3620.	3620.
1596	4	97	93	3620.	3620.
1597	4	97	92	3620.	3620.
1598	4	98	92	3620.	3620.
1599	4	99	92	3620.	3620.
1600	4	100	92	3620.	3620.
1601	4	101	92	3620.	3620.
1602	4	102	92	3620.	3620.
1603	4	103	92	3620.	3620.
1604	4	103	91	3620.	3620.
1605	4	104	91	3620.	3620.
1606	4	105	91	3620.	3620.
1607	4	105	90	3620.	3620.
1608	4	106	90	3620.	3620.
1609	4	107	90	3620.	3620.
1610	4	107	89	3620.	3620.
1611	4	108	89	3620.	3620.
1612	4	109	89	3620.	3620.
1613	4	109	88	3620.	3620.
1614	4	110	88	3620.	3620.

1615	4	111	88	3620.	3620.
1616	4	111	87	3620.	3620.
1617	4	112	87	3620.	3620.
1618	4	113	87	3620.	3620.
1619	4	113	86	3620.	3620.
1620	4	114	86	3620.	3620.
1621	4	115	86	3620.	3620.
1622	4	115	85	3620.	3620.
1623	4	116	85	3620.	3620.
1624	4	117	85	3620.	3620.
1625	4	117	84	3620.	3620.
1626	4	118	84	3620.	3620.
1627	4	119	84	3620.	3620.
1628	4	119	83	3620.	3620.
1629	4	120	83	3620.	3620.
1630	4	120	82	3620.	3620.
1631	4	121	82	3620.	3620.
1632	4	122	82	3620.	3620.
1633	4	122	81	3620.	3620.
1634	4	123	81	3620.	3620.
1635	4	124	81	3620.	3620.
1636	4	124	80	3620.	3620.
1637	4	125	80	3620.	3620.
1638	4	125	79	3620.	3620.
1639	4	126	79	3620.	3620.
1640	4	126	78	3620.	3620.
1641	4	126	77	3620.	3620.
1642	4	126	76	3620.	3620.
1643	4	126	75	3620.	3620.
1644	4	127	75	3620.	3620.
1645	4	127	74	3620.	3620.
1646	4	127	73	3620.	3620.
1647	4	127	72	3620.	3620.
1648	4	127	71	3620.	3620.
1649	4	128	71	3620.	3620.
1650	4	128	70	3620.	3620.
1651	4	128	69	3620.	3620.
1652	4	128	68	3620.	3620.
1653	4	128	67	3620.	3620.
1654	4	129	67	3620.	3620.
1655	4	129	66	3620.	3620.
1656	4	129	65	3620.	3620.
1657	4	129	64	3620.	3620.
1658	4	129	63	3620.	3620.
1659	4	130	63	3620.	3620.
1660	4	130	62	3620.	3620.
1661	4	130	61	3620.	3620.
1662	4	130	60	3620.	3620.
1663	4	130	59	3620.	3620.
1664	4	131	59	3620.	3620.
1665	4	131	58	3620.	3620.
1666	4	131	57	3620.	3620.
1667	4	131	56	3620.	3620.
1668	4	131	55	3620.	3620.
1669	4	131	54	3620.	3620.
1670	4	131	53	3620.	3620.
1671	4	132	53	3620.	3620.
1672	4	132	52	3620.	3620.
1673	4	132	51	3620.	3620.
1674	4	132	50	3620.	3620.

1675	4	132	49	3620.	3620.
1676	4	131	49	3620.	3620.
1677	4	131	48	3620.	3620.
1678	4	131	47	3620.	3620.
1679	4	131	46	3620.	3620.
1680	4	131	45	3620.	3620.
1681	4	131	44	3620.	3620.
1682	4	131	43	3620.	3620.
1683	4	131	42	3620.	3620.
1684	4	131	41	3620.	3620.
1685	4	130	41	3620.	3620.
1686	4	130	40	3620.	3620.
1687	4	130	39	3620.	3620.
1688	4	130	38	3620.	3620.
1689	4	130	37	3620.	3620.
1690	4	130	36	3620.	3620.
1691	4	129	36	3620.	3620.
1692	4	129	35	3620.	3620.
1693	4	129	34	3620.	3620.
1694	4	129	33	3620.	3620.
1695	4	128	33	3620.	3620.
1696	4	128	32	3620.	3620.
1697	4	128	31	3620.	3620.
1698	4	128	30	3620.	3620.
1699	4	128	29	3620.	3620.
1700	4	127	29	3620.	3620.
1701	4	127	28	3620.	3620.
1702	4	127	27	3620.	3620.
1703	4	127	26	3620.	3620.
1704	4	126	26	3620.	3620.
1705	4	126	25	3620.	3620.
1706	4	126	24	3620.	3620.
1707	4	126	23	3620.	3620.
1708	4	126	22	3620.	3620.
1709	4	125	22	3620.	3620.
1710	4	125	21	3620.	3620.
1711	4	125	20	3620.	3620.
1712	4	124	20	3620.	3620.
1713	4	124	19	3620.	3620.
1714	4	123	19	3620.	3620.
1715	4	122	19	3620.	3620.
1716	4	122	18	3620.	3620.
1717	4	121	18	3620.	3620.
1718	4	120	18	3620.	3620.
1719	4	120	17	3620.	3620.
1720	4	119	17	3620.	3620.
1721	4	118	17	3620.	3620.
1722	4	118	16	3620.	3620.
1723	4	117	16	3620.	3620.
1724	4	116	16	3620.	3620.
1725	4	116	15	3620.	3620.
1726	4	115	15	3620.	3620.
1727	4	114	15	3620.	3620.
1728	4	114	14	3620.	3620.
1729	4	113	14	3620.	3620.
1730	4	113	13	3620.	3620.
1731	4	112	13	3620.	3620.
1732	4	111	13	3620.	3620.
1733	4	111	12	3620.	3620.
1734	4	110	12	3620.	3620.

1735	4	109	12	3620.	3620.
1736	4	109	11	3620.	3620.
1737	4	108	11	2408.	2408.
1738	4	108	11	1212.	1212.
1739	4	107	11	3620.	3620.
1740	4	107	10	3620.	3620.
1741	4	106	10	3620.	3620.
1742	4	105	10	3620.	3620.
1743	4	105	9	3620.	3620.
1744	4	104	9	3620.	3620.
1745	4	103	9	296.3	296.3

1745 TIME-VARIANT SPECIFIED-HEAD CELLS

SOLVING FOR HEAD

CELL CONVERSIONS FOR ITER.= 1 LAYER= 1 STEP= 1 PERIOD= 1
(ROW, COL)

38)	DRY(26, 38)	DRY(26, 39)	DRY(28, 38)	DRY(28, 40)	DRY(29,
34)	DRY(33, 33)	DRY(33, 34)	DRY(34, 32)	DRY(34, 33)	DRY(34,
35)	DRY(34, 35)	DRY(35, 32)	DRY(35, 33)	DRY(35, 34)	DRY(35,
35)	DRY(35, 36)	DRY(36, 32)	DRY(36, 33)	DRY(36, 34)	DRY(36,
40)	DRY(36, 36)	DRY(36, 37)	DRY(36, 38)	DRY(36, 39)	DRY(36,
35)	DRY(36, 41)	DRY(37, 32)	DRY(37, 33)	DRY(37, 34)	DRY(37,
40)	DRY(37, 36)	DRY(37, 37)	DRY(37, 38)	DRY(37, 39)	DRY(37,
34)	DRY(37, 41)	DRY(37, 42)	DRY(37, 43)	DRY(38, 25)	DRY(38,
39)	DRY(38, 35)	DRY(38, 36)	DRY(38, 37)	DRY(38, 38)	DRY(38,
44)	DRY(38, 40)	DRY(38, 41)	DRY(38, 42)	DRY(38, 43)	DRY(38,
36)	DRY(38, 45)	DRY(39, 24)	DRY(39, 25)	DRY(39, 35)	DRY(39,
41)	DRY(39, 37)	DRY(39, 38)	DRY(39, 39)	DRY(39, 40)	DRY(39,
46)	DRY(39, 42)	DRY(39, 43)	DRY(39, 44)	DRY(39, 45)	DRY(39,
37)	DRY(40, 24)	DRY(40, 31)	DRY(40, 35)	DRY(40, 36)	DRY(40,
42)	DRY(40, 38)	DRY(40, 39)	DRY(40, 40)	DRY(40, 41)	DRY(40,
24)	DRY(40, 43)	DRY(40, 44)	DRY(40, 45)	DRY(40, 46)	DRY(41,
36)	DRY(41, 30)	DRY(41, 31)	DRY(41, 32)	DRY(41, 35)	DRY(41,
41)	DRY(41, 37)	DRY(41, 38)	DRY(41, 39)	DRY(41, 40)	DRY(41,
23)	DRY(41, 42)	DRY(41, 43)	DRY(41, 44)	DRY(41, 45)	DRY(42,
34)	DRY(42, 29)	DRY(42, 30)	DRY(42, 31)	DRY(42, 32)	DRY(42,
	DRY(42, 35)	DRY(42, 36)	DRY(42, 37)	DRY(42, 38)	DRY(42,

39)	DRY(42, 40)	DRY(42, 41)	DRY(42, 42)	DRY(42, 43)	DRY(42,
44)	DRY(42, 45)	DRY(43, 29)	DRY(43, 30)	DRY(43, 31)	DRY(43,
32)	DRY(43, 33)	DRY(43, 34)	DRY(43, 35)	DRY(43, 36)	DRY(43,
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40) DRY( 87, 41) DRY( 87, 42) DRY( 87, 43) DRY(122, 38) DRY(122,
39) DRY(123, 38) DRY(123, 39) DRY(123, 40) DRY(123, 41) DRY(123,
42) DRY(124, 39) DRY(124, 40) DRY(124, 41) DRY(124, 42) DRY(124,
43)

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CELL CONVERSIONS FOR ITER.= 1 LAYER= 2 STEP= 1 PERIOD= 1
(ROW,COL)

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41) DRY( 48, 30) DRY( 48, 31) DRY( 48, 32) DRY( 48, 33) DRY( 48,
33) DRY( 48, 42) DRY( 49, 30) DRY( 49, 31) DRY( 49, 32) DRY( 49,
31) DRY( 49, 34) DRY( 49, 42) DRY( 49, 43) DRY( 50, 30) DRY( 50,
43) DRY( 50, 32) DRY( 50, 33) DRY( 50, 34) DRY( 50, 42) DRY( 50,
33) DRY( 50, 44) DRY( 51, 30) DRY( 51, 31) DRY( 51, 32) DRY( 51,

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45)	DRY(51, 34)	DRY(51, 35)	DRY(51, 43)	DRY(51, 44)	DRY(51,
31)	DRY(51, 46)	DRY(51, 47)	DRY(51, 48)	DRY(52, 30)	DRY(52,
36)	DRY(52, 32)	DRY(52, 33)	DRY(52, 34)	DRY(52, 35)	DRY(52,
29)	DRY(52, 45)	DRY(52, 46)	DRY(52, 47)	DRY(52, 48)	DRY(53,
34)	DRY(53, 30)	DRY(53, 31)	DRY(53, 32)	DRY(53, 33)	DRY(53,
46)	DRY(53, 35)	DRY(53, 36)	DRY(53, 37)	DRY(53, 38)	DRY(53,
29)	DRY(53, 47)	DRY(53, 48)	DRY(53, 49)	DRY(53, 50)	DRY(54,
36)	DRY(54, 30)	DRY(54, 31)	DRY(54, 32)	DRY(54, 35)	DRY(54,
41)	DRY(54, 37)	DRY(54, 38)	DRY(54, 39)	DRY(54, 40)	DRY(54,
46)	DRY(54, 42)	DRY(54, 43)	DRY(54, 44)	DRY(54, 45)	DRY(54,
30)	DRY(54, 47)	DRY(54, 48)	DRY(54, 49)	DRY(55, 29)	DRY(55,
38)	DRY(55, 31)	DRY(55, 32)	DRY(55, 36)	DRY(55, 37)	DRY(55,
43)	DRY(55, 39)	DRY(55, 40)	DRY(55, 41)	DRY(55, 42)	DRY(55,
30)	DRY(55, 44)	DRY(55, 45)	DRY(56, 28)	DRY(56, 29)	DRY(56,
39)	DRY(56, 31)	DRY(56, 32)	DRY(56, 37)	DRY(56, 38)	DRY(56,
44)	DRY(56, 40)	DRY(56, 41)	DRY(56, 42)	DRY(56, 43)	DRY(56,
32)	DRY(57, 28)	DRY(57, 29)	DRY(57, 30)	DRY(57, 31)	DRY(57,
43)	DRY(57, 39)	DRY(57, 40)	DRY(57, 41)	DRY(57, 42)	DRY(57,
31)	DRY(57, 44)	DRY(58, 28)	DRY(58, 29)	DRY(58, 30)	DRY(58,
44)	DRY(58, 32)	DRY(58, 41)	DRY(58, 42)	DRY(58, 43)	DRY(58,
31)	DRY(58, 45)	DRY(59, 28)	DRY(59, 29)	DRY(59, 30)	DRY(59,
46)	DRY(59, 32)	DRY(59, 43)	DRY(59, 44)	DRY(59, 45)	DRY(59,
58)	DRY(59, 47)	DRY(59, 48)	DRY(59, 49)	DRY(59, 57)	DRY(59,
31)	DRY(59, 59)	DRY(59, 60)	DRY(60, 29)	DRY(60, 30)	DRY(60,
40)	DRY(60, 32)	DRY(60, 37)	DRY(60, 38)	DRY(60, 39)	DRY(60,
48)	DRY(60, 44)	DRY(60, 45)	DRY(60, 46)	DRY(60, 47)	DRY(60,
58)	DRY(60, 49)	DRY(60, 50)	DRY(60, 51)	DRY(60, 57)	DRY(60,
30)	DRY(60, 59)	DRY(60, 60)	DRY(60, 61)	DRY(61, 29)	DRY(61,
39)	DRY(61, 31)	DRY(61, 32)	DRY(61, 37)	DRY(61, 38)	DRY(61,
47)	DRY(61, 40)	DRY(61, 41)	DRY(61, 42)	DRY(61, 46)	DRY(61,

59)	DRY(61, 48)	DRY(61, 49)	DRY(61, 50)	DRY(61, 51)	DRY(61,
31)	DRY(61, 60)	DRY(61, 61)	DRY(62, 29)	DRY(62, 30)	DRY(62,
50)	DRY(62, 32)	DRY(62, 37)	DRY(62, 38)	DRY(62, 39)	DRY(62,
32)	DRY(62, 61)	DRY(63, 29)	DRY(63, 30)	DRY(63, 31)	DRY(63,
31)	DRY(63, 33)	DRY(63, 37)	DRY(63, 38)	DRY(63, 52)	DRY(64,
26)	DRY(64, 32)	DRY(64, 33)	DRY(64, 42)	DRY(64, 43)	DRY(65,
34)	DRY(65, 27)	DRY(65, 28)	DRY(65, 32)	DRY(65, 33)	DRY(65,
46)	DRY(65, 42)	DRY(65, 43)	DRY(65, 44)	DRY(65, 45)	DRY(65,
27)	DRY(65, 47)	DRY(65, 48)	DRY(65, 49)	DRY(66, 26)	DRY(66,
35)	DRY(66, 28)	DRY(66, 32)	DRY(66, 33)	DRY(66, 34)	DRY(66,
47)	DRY(66, 43)	DRY(66, 44)	DRY(66, 45)	DRY(66, 46)	DRY(66,
52)	DRY(66, 48)	DRY(66, 49)	DRY(66, 50)	DRY(66, 51)	DRY(66,
29)	DRY(66, 53)	DRY(67, 26)	DRY(67, 27)	DRY(67, 28)	DRY(67,
36)	DRY(67, 32)	DRY(67, 33)	DRY(67, 34)	DRY(67, 35)	DRY(67,
51)	DRY(67, 40)	DRY(67, 48)	DRY(67, 49)	DRY(67, 50)	DRY(67,
29)	DRY(67, 52)	DRY(67, 53)	DRY(68, 27)	DRY(68, 28)	DRY(68,
40)	DRY(68, 34)	DRY(68, 35)	DRY(68, 36)	DRY(68, 37)	DRY(68,
34)	DRY(68, 41)	DRY(69, 27)	DRY(69, 28)	DRY(69, 29)	DRY(69,
40)	DRY(69, 35)	DRY(69, 36)	DRY(69, 37)	DRY(69, 38)	DRY(69,
34)	DRY(69, 41)	DRY(70, 27)	DRY(70, 28)	DRY(70, 29)	DRY(70,
41)	DRY(70, 35)	DRY(70, 36)	DRY(70, 37)	DRY(70, 38)	DRY(70,
36)	DRY(70, 42)	DRY(71, 28)	DRY(71, 29)	DRY(71, 35)	DRY(71,
42)	DRY(71, 37)	DRY(71, 38)	DRY(71, 39)	DRY(71, 41)	DRY(71,
39)	DRY(72, 35)	DRY(72, 36)	DRY(72, 37)	DRY(72, 38)	DRY(72,
39)	DRY(72, 42)	DRY(73, 36)	DRY(73, 37)	DRY(73, 38)	DRY(73,
33)	DRY(74, 36)	DRY(74, 37)	DRY(74, 39)	DRY(75, 39)	DRY(81,
35)	DRY(81, 34)	DRY(81, 35)	DRY(82, 33)	DRY(82, 34)	DRY(82,
34)	DRY(83, 33)	DRY(83, 34)	DRY(83, 35)	DRY(83, 36)	DRY(84,
	DRY(84, 35)	DRY(84, 36)	DRY(85, 35)	DRY(85, 36)	

CELL CONVERSIONS FOR ITER.= 1 LAYER= 4 STEP= 1 PERIOD= 1
(ROW,COL)

26)	DRY(62, 27)	DRY(62, 28)	DRY(62, 29)	DRY(62, 30)	DRY(63,
31)	DRY(63, 27)	DRY(63, 28)	DRY(63, 29)	DRY(63, 30)	DRY(63,
30)	DRY(64, 26)	DRY(64, 27)	DRY(64, 28)	DRY(64, 29)	DRY(64,
28)	DRY(64, 31)	DRY(64, 32)	DRY(65, 26)	DRY(65, 27)	DRY(65,
33)	DRY(65, 29)	DRY(65, 30)	DRY(65, 31)	DRY(65, 32)	DRY(65,
30)	DRY(66, 26)	DRY(66, 27)	DRY(66, 28)	DRY(66, 29)	DRY(66,
27)	DRY(66, 31)	DRY(66, 32)	DRY(66, 33)	DRY(67, 26)	DRY(67,
32)	DRY(67, 28)	DRY(67, 29)	DRY(67, 30)	DRY(67, 31)	DRY(67,
29)	DRY(67, 33)	DRY(68, 26)	DRY(68, 27)	DRY(68, 28)	DRY(68,
34)	DRY(68, 30)	DRY(68, 31)	DRY(68, 32)	DRY(68, 33)	DRY(68,
31)	DRY(69, 27)	DRY(69, 28)	DRY(69, 29)	DRY(69, 30)	DRY(69,
28)	DRY(69, 32)	DRY(69, 33)	DRY(69, 34)	DRY(70, 27)	DRY(70,
33)	DRY(70, 29)	DRY(70, 30)	DRY(70, 31)	DRY(70, 32)	DRY(70,
30)	DRY(70, 34)	DRY(71, 27)	DRY(71, 28)	DRY(71, 29)	DRY(71,
27)	DRY(71, 31)	DRY(71, 32)	DRY(71, 33)	DRY(71, 34)	DRY(72,
32)	DRY(72, 28)	DRY(72, 29)	DRY(72, 30)	DRY(72, 31)	DRY(72,
29)	DRY(72, 33)	DRY(72, 34)	DRY(73, 27)	DRY(73, 28)	DRY(73,
34)	DRY(73, 30)	DRY(73, 31)	DRY(73, 32)	DRY(73, 33)	DRY(73,
32)	DRY(74, 28)	DRY(74, 29)	DRY(74, 30)	DRY(74, 31)	DRY(74,
31)	DRY(74, 33)	DRY(75, 28)	DRY(75, 29)	DRY(75, 30)	DRY(75,
31)	DRY(75, 32)	DRY(75, 33)	DRY(76, 29)	DRY(76, 30)	DRY(76,
31)	DRY(76, 32)	DRY(76, 33)	DRY(77, 29)	DRY(77, 30)	DRY(77,
40)	DRY(77, 32)	DRY(78, 31)	DRY(87, 33)	DRY(87, 39)	DRY(87,
40)	DRY(87, 41)	DRY(88, 37)	DRY(88, 38)	DRY(88, 39)	DRY(88,
38)	DRY(88, 41)	DRY(88, 42)	DRY(89, 36)	DRY(89, 37)	DRY(89,
43)	DRY(89, 39)	DRY(89, 40)	DRY(89, 41)	DRY(89, 42)	DRY(89,
40)	DRY(89, 44)	DRY(90, 37)	DRY(90, 38)	DRY(90, 39)	DRY(90,
37)	DRY(90, 41)	DRY(90, 42)	DRY(90, 43)	DRY(90, 44)	DRY(91,
42)	DRY(91, 38)	DRY(91, 39)	DRY(91, 40)	DRY(91, 41)	DRY(91,
39)	DRY(91, 43)	DRY(91, 44)	DRY(91, 45)	DRY(92, 38)	DRY(92,

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      DRY( 92, 40)   DRY( 92, 41)   DRY( 92, 42)   DRY( 92, 43)   DRY( 92,
44)
      DRY( 92, 45)   DRY( 93, 39)   DRY( 93, 40)   DRY( 93, 41)   DRY( 93,
42)
      DRY( 93, 43)   DRY( 93, 44)   DRY( 93, 45)   DRY( 93, 46)   DRY( 94,
39)
      DRY( 94, 40)   DRY( 94, 41)   DRY( 94, 42)   DRY( 94, 43)   DRY( 94,
44)
      DRY( 94, 45)   DRY( 94, 46)   DRY( 95, 40)   DRY( 95, 41)   DRY( 95,
42)
      DRY( 95, 43)   DRY( 95, 44)   DRY( 95, 45)   DRY( 96, 40)   DRY( 96,
41)
      DRY( 96, 42)   DRY( 96, 43)   DRY( 96, 44)   DRY( 96, 45)   DRY( 97,
41)
      DRY( 97, 42)   DRY( 97, 43)   DRY( 97, 44)   DRY( 98, 41)   DRY( 98,
42)
      DRY( 98, 43)   DRY( 98, 44)   DRY( 98, 45)   DRY( 99, 41)   DRY( 99,
42)
      DRY( 99, 43)   DRY( 99, 44)   DRY( 99, 45)   DRY(100, 41)   DRY(100,
42)
      DRY(100, 43)   DRY(100, 44)   DRY(100, 45)   DRY(101, 42)   DRY(101,
43)
      DRY(101, 44)   DRY(101, 45)   DRY(102, 43)   DRY(102, 44)   DRY(102,
45)

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      OUTPUT CONTROL FOR STRESS PERIOD      1      TIME STEP      1
      PRINT BUDGET
      SAVE HEAD FOR ALL LAYERS
      SAVE BUDGET
      UBDSV2 SAVING "      CONSTANT HEAD" ON UNIT  40 AT TIME STEP  1, STRESS
PERIOD      1
      UBDSV1 SAVING "FLOW RIGHT FACE " ON UNIT  40 AT TIME STEP  1, STRESS
PERIOD      1
      UBDSV1 SAVING "FLOW FRONT FACE " ON UNIT  40 AT TIME STEP  1, STRESS
PERIOD      1
      UBDSV1 SAVING "FLOW LOWER FACE " ON UNIT  40 AT TIME STEP  1, STRESS
PERIOD      1
      UBDSV4 SAVING "                      WELLS" ON UNIT  40 AT TIME STEP  1, STRESS
PERIOD      1
      UBDSV4 SAVING " HEAD DEP BOUNDS" ON UNIT  40 AT TIME STEP  1, STRESS
PERIOD      1

```

Link-MT3DMS Package

```

OPENING LINK-MT3DMS OUTPUT FILE: FINALWALL-VLOWK-6-11.hff
ON UNIT NUMBER:      333
FILE TYPE: UNFORMATTED
HEADER OPTION: STANDARD
***Link-MT3DMS Package***

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      SAVING SATURATED THICKNESS AND FLOW TERMS ON UNIT  333 FOR MT3DMS
      BY THE LINK-MT3DMS PACKAGE V6.3 AT TIME STEP      1, STRESS PERIOD      1

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      HEAD WILL BE SAVED ON UNIT      30 AT END OF TIME STEP      1, STRESS PERIOD
1
1

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      VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS
PERIOD      1

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-----
      CUMULATIVE VOLUMES      L**3      RATES FOR THIS TIME STEP
L**3/T
-----
      IN:
      ---
      STORAGE =          0.0000      STORAGE =
0.0000
      CONSTANT HEAD =          0.0000      CONSTANT HEAD =
0.0000
      WELLS =          0.0000      WELLS =
0.0000
      HEAD DEP BOUNDS =      3410.2144      HEAD DEP BOUNDS =
3410.2144
      TOTAL IN =          3410.2144      TOTAL IN =
3410.2144
      OUT:
      ---
      STORAGE =          0.0000      STORAGE =
0.0000
      CONSTANT HEAD =      289.3085      CONSTANT HEAD =
289.3085
      WELLS =          3100.0000      WELLS =
3100.0000
      HEAD DEP BOUNDS =          6.3324      HEAD DEP BOUNDS =
6.3324
      TOTAL OUT =          3395.6409      TOTAL OUT =
3395.6409
      IN - OUT =          14.5735      IN - OUT =
14.5735
      PERCENT DISCREPANCY =          0.43      PERCENT DISCREPANCY =
0.43

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      TIME SUMMARY AT END OF TIME STEP      1 IN STRESS PERIOD      1
      SECONDS      MINUTES      HOURS      DAYS
YEARS
-----
      TIME STEP LENGTH      86400.      1440.0      24.000      1.0000
2.73785E-03
      STRESS PERIOD TIME      86400.      1440.0      24.000      1.0000
2.73785E-03
      TOTAL TIME      86400.      1440.0      24.000      1.0000
2.73785E-03
1

```

DATA AT HEAD LOCATIONS

WEIGHTED OBS#	OBSERVATION NAME	OBSER- VATION	SIMUL. EQUIV.	RESIDUAL	WEIGHT**.	5
1	hed1	0.369E+04	0.370E+04	-8.61	1.96	-16.9
2	hed2	0.370E+04	0.370E+04	-0.565	1.96	-1.11
3	hed3	0.370E+04	0.370E+04	5.03	1.96	9.86
4	hed4	0.370E+04	0.370E+04	2.63	1.96	5.16
5	hed5	0.371E+04	0.370E+04	8.08	1.96	15.8
6	hed6	0.370E+04	0.370E+04	-1.23	1.96	-2.41

* THE OBSERVATION (AND CORRESPONDING SIMULATED EQUIVALENT) IS HEAD OR TEMPORAL

CHANGE IN HEAD, AS SPECIFIED IN THE "HOB" INPUT FILE. NEGATIVE TEMPORAL

CHANGES INDICATE DRAWDOWN.

STATISTICS FOR HEAD RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL	:	15.8	OBS#	5
MINIMUM WEIGHTED RESIDUAL	:	-16.9	OBS#	1
AVERAGE WEIGHTED RESIDUAL	:	1.74		
# RESIDUALS >= 0.	:	3		
# RESIDUALS < 0.	:	3		
NUMBER OF RUNS	:	3	IN	6 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS (HEADS ONLY) 666.28

DATA FOR FLOWS REPRESENTED USING THE GENERAL-HEAD BOUNDARY PACKAGE

WEIGHTED OBS#	OBSERVATION NAME	MEAS. FLOW	CALC. FLOW	RESIDUAL	WEIGHT**.	5
7	no_ghbf0	1.00	0.00	1.00	0.100E-18	
8	no_ghbf1	1.00	0.00	1.00	0.100E-18	
9	no_ghbf2	1.00	0.00	1.00	0.100E-18	
10	no_ghbf3	1.00	0.00	1.00	0.100E-18	
11	no_ghbf4	1.00	0.00	1.00	0.100E-18	
12	no_ghbf5	1.00	0.128E+04	-0.128E+04	0.100E-18	-
13	no_ghbf6	1.00	36.5	-35.5	0.100E-18	-
14	no_ghbf7	1.00	0.197E+04	-0.197E+04	0.100E-18	-
15	no_ghbf8	1.00	111.	-110.	0.100E-18	-
16	no_ghbf9	1.00	5.68	-4.68	0.100E-18	-

STATISTICS FOR GENERAL-HEAD BOUNDARY FLOW RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL	:	0.100E-18	OBS#	7
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MINIMUM WEIGHTED RESIDUAL :-0.197E-15 OBS# 14
 AVERAGE WEIGHTED RESIDUAL :-0.339E-16
 # RESIDUALS >= 0. : 5
 # RESIDUALS < 0. : 5
 NUMBER OF RUNS: 2 IN 10 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS
 (GENERAL-HEAD BOUNDARY FLOWS ONLY) 0.55218E-31

DATA FOR FLOW OBSERVATIONS AT BOUNDARIES REPRESENTED AS CONSTANT-HEAD

OBSERVATION	MEAS.	CALC.			
WEIGHTED					
OBS# NAME	FLOW	FLOW	RESIDUAL	WEIGHT**.	
RESIDUAL					
17 no_chdf0	1.00	-44.6	45.6	0.100E-18	
0.456E-17					
18 no_chdf1	1.00	-0.974	1.97	0.100E-18	
0.197E-18					
19 no_chdf2	1.00	-71.0	72.0	0.100E-18	
0.720E-17					
20 no_chdf3	1.00	-62.2	63.2	0.100E-18	
0.632E-17					
21 no_chdf4	1.00	-0.127	1.13	0.100E-18	
0.113E-18					
22 no_chdf5	1.00	-3.30	4.30	0.100E-18	
0.430E-18					
23 no_chdf6	1.00	-0.895E-01	1.09	0.100E-18	
0.109E-18					
24 no_chdf7	1.00	-3.82	4.82	0.100E-18	
0.482E-18					
25 no_chdf8	1.00	-1.46	2.46	0.100E-18	
0.246E-18					
26 no_chdf9	1.00	-0.845E-02	1.01	0.100E-18	
0.101E-18					
27 no_chdf10	1.00	-0.574	1.57	0.100E-18	
0.157E-18					
28 no_chdf11	1.00	-0.190	1.19	0.100E-18	
0.119E-18					
29 no_chdf12	1.00	-0.903E-02	1.01	0.100E-18	
0.101E-18					
30 no_chdf13	1.00	-0.306	1.31	0.100E-18	
0.131E-18					
31 no_chdf14	1.00	-0.273	1.27	0.100E-18	
0.127E-18					
32 no_chdf15	1.00	-0.256E-02	1.00	0.100E-18	
0.100E-18					
33 no_chdf16	1.00	-20.3	21.3	0.100E-18	
0.213E-17					
34 no_chdf17	1.00	-0.426	1.43	0.100E-18	
0.143E-18					
35 no_chdf18	1.00	-32.4	33.4	0.100E-18	
0.334E-17					
36 no_chdf19	1.00	-47.0	48.0	0.100E-18	
0.480E-17					
37 no_chdf20	1.00	-0.194	1.19	0.100E-18	
0.119E-18					

STATISTICS FOR CONSTANT-HEAD BOUNDARY FLOW RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL : 0.720E-17 OBS# 19
 MINIMUM WEIGHTED RESIDUAL : 0.100E-18 OBS# 32
 AVERAGE WEIGHTED RESIDUAL : 0.148E-17
 # RESIDUALS >= 0. : 21
 # RESIDUALS < 0. : 0
 NUMBER OF RUNS : 1 IN 21 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS
 (CONSTANT-HEAD BOUNDARY FLOWS ONLY) 0.15207E-33

SUM OF SQUARED WEIGHTED RESIDUALS (ALL DEPENDENT VARIABLES) 666.28

STATISTICS FOR ALL RESIDUALS :
 AVERAGE WEIGHTED RESIDUAL : 0.282E+00
 # RESIDUALS >= 0. : 29
 # RESIDUALS < 0. : 8
 NUMBER OF RUNS : 6 IN 37 OBSERVATIONS

INTERPRETING THE CALCULATED RUNS STATISTIC VALUE OF -3.51

NOTE: THE FOLLOWING APPLIES ONLY IF

RESIDUALS >= 0 . IS GREATER THAN 10 AND

RESIDUALS < 0. IS GREATER THAN 10

THE NEGATIVE VALUE MAY INDICATE TOO FEW RUNS:

IF THE VALUE IS LESS THAN -1.28, THERE IS LESS THAN A 10 PERCENT
CHANCE THE VALUES ARE RANDOM,

IF THE VALUE IS LESS THAN -1.645, THERE IS LESS THAN A 5 PERCENT
CHANCE THE VALUES ARE RANDOM,

IF THE VALUE IS LESS THAN -1.96, THERE IS LESS THAN A 2.5 PERCENT
CHANCE THE VALUES ARE RANDOM.

ORDERED DEPENDENT-VARIABLE WEIGHTED RESIDUALS
 NUMBER OF RESIDUALS INCLUDED: 37
 -16.9 -2.41 -1.11 -0.197E-15 -0.128E-15 -0.110E-16 -
 0.355E-17
 -0.468E-18 0.100E-18 0.100E-18 0.100E-18 0.100E-18 0.100E-18
 0.100E-18
 0.101E-18 0.101E-18 0.109E-18 0.113E-18 0.119E-18 0.119E-18
 0.127E-18
 0.131E-18 0.143E-18 0.157E-18 0.197E-18 0.246E-18 0.430E-18
 0.482E-18
 0.213E-17 0.334E-17 0.456E-17 0.480E-17 0.632E-17 0.720E-17
 5.16
 9.86 15.8

CORRELATION BETWEEN ORDERED WEIGHTED RESIDUALS AND NORMAL ORDER
 STATISTICS

FOR OBSERVATIONS = 0.448

COMMENTS ON THE INTERPRETATION OF THE CORRELATION BETWEEN
 WEIGHTED RESIDUALS AND NORMAL ORDER STATISTICS:

The critical value for correlation at the 5% significance level is
 0.944

IF the reported CORRELATION is GREATER than the 5% critical value,
 ACCEPT

the hypothesis that the weighted residuals are INDEPENDENT AND NORMALLY DISTRIBUTED at the 5% significance level. The probability that this conclusion is wrong is less than 5%.

IF the reported correlation IS LESS THAN the 5% critical value REJECT the hypothesis that the weighted residuals are INDEPENDENT AND NORMALLY DISTRIBUTED at the 5% significance level.

The analysis can also be done using the 10% significance level.
The associated critical value is 0.953

--

100 100 1
0.01 0.01 1.0 0 0 2 1.0

```
500 2.0 0.01 0.0
0 0 0 0 0 0.0 0.001 1.5 1
2 1 0
0.8 0.0 1
0 0 0
```

PEST RUN RECORD: CASE finalwall-vlowk-6-11

PEST run mode:-

Parameter estimation mode

Case dimensions:-

Number of parameters	:	3
Number of adjustable parameters	:	3
Number of parameter groups	:	1
Number of observations	:	37
Number of prior estimates	:	0

Model command line(s):-

start /w /min FINALWALL-VLOWK-6-11_bat1.bat

Jacobian command line:-

na

Model interface files:-

Templates:

FINALWALL-VLOWK-6-11.tpl_1
for model input files:
FINALWALL-VLOWK-6-11.snn_1

(Parameter values written using single precision protocol.)
(Decimal point always included.)

Instruction files:

FINALWALL-VLOWK-6-11.ins
for reading model output files:
FINALWALL-VLOWK-6-11._os

PEST-to-model message file:-

na

Derivatives calculation:-

Param Method group (central)	Increment type	Increment	Increment low bound	Forward or central	Multiplier (central)
general outside_pts	relative	1.0000E-02	none	switch	2.000

Parameter definitions:-

Name Upper	Trans- formation	Change limit	Initial value	Lower bound
bound				
hk_100	log	factor	20.0000	1.000000E-03
20.0000				
ghb_300	none	factor	65.8000	1.000000E-03
1000.00				
ghb_400	none	factor	6.04070	1.000000E-03
1000.00				

Name number	Group	Scale	Offset	Model command
hk_100	general	1.00000	0.00000	1
ghb_300	general	1.00000	0.00000	1
ghb_400	general	1.00000	0.00000	1

Prior information:-

No prior information supplied

Observations:-

Observation name	Observation	Weight	Group
hed1	3689.73	1.960	head
hed2	3698.05	1.960	head
hed3	3700.85	1.960	head
hed4	3702.56	1.960	head
hed5	3706.41	1.960	head
hed6	3696.72	1.960	head
no_ghbf0	1.00000	1.0000E-19	ghb
no_ghbf1	1.00000	1.0000E-19	ghb
no_ghbf2	1.00000	1.0000E-19	ghb
no_ghbf3	1.00000	1.0000E-19	ghb
no_ghbf4	1.00000	1.0000E-19	ghb
no_ghbf5	1.00000	1.0000E-19	ghb
no_ghbf6	1.00000	1.0000E-19	ghb
no_ghbf7	1.00000	1.0000E-19	ghb
no_ghbf8	1.00000	1.0000E-19	ghb
no_ghbf9	1.00000	1.0000E-19	ghb
no_chdf0	1.00000	1.0000E-19	const_head
no_chdf1	1.00000	1.0000E-19	const_head
no_chdf2	1.00000	1.0000E-19	const_head
no_chdf3	1.00000	1.0000E-19	const_head
no_chdf4	1.00000	1.0000E-19	const_head
no_chdf5	1.00000	1.0000E-19	const_head
no_chdf6	1.00000	1.0000E-19	const_head
no_chdf7	1.00000	1.0000E-19	const_head
no_chdf8	1.00000	1.0000E-19	const_head
no_chdf9	1.00000	1.0000E-19	const_head
no_chdf10	1.00000	1.0000E-19	const_head
no_chdf11	1.00000	1.0000E-19	const_head
no_chdf12	1.00000	1.0000E-19	const_head
no_chdf13	1.00000	1.0000E-19	const_head
no_chdf14	1.00000	1.0000E-19	const_head
no_chdf15	1.00000	1.0000E-19	const_head
no_chdf16	1.00000	1.0000E-19	const_head

no_chdf17	1.00000	1.0000E-19	const_head
no_chdf18	1.00000	1.0000E-19	const_head
no_chdf19	1.00000	1.0000E-19	const_head
no_chdf20	1.00000	1.0000E-19	const_head

Control settings:-

Initial lambda	:	
10.000		
Lambda adjustment factor	:	
2.0000		
Sufficient new/old phi ratio per optimisation iteration	:	
0.30000		
Limiting relative phi reduction between lambdas	:	
3.00000E-02		
Maximum trial lambdas per iteration	:	10
Maximum factor parameter change (factor-limited changes)	:	
5.0000		
Maximum relative parameter change (relative-limited changes)	:	na
Fraction of initial parameter values used in computing change limit for near-zero parameters	:	
1.00000E-03		
Allow bending of parameter upgrade vector	:	no
Allow parameters to stick to their bounds	:	no
Relative phi reduction below which to begin use of central derivatives	:	
0.10000		
Iteration at which to first consider derivatives switch	:	1
Relative phi reduction indicating convergence	:	
0.50000E-02		
Number of phi values required within this range	:	3
Maximum number of consecutive failures to lower phi	:	3
Minimal relative parameter change indicating convergence	:	
0.50000E-02		
Number of consecutive iterations with minimal param change	:	3
Maximum number of optimisation iterations	:	20
Attempt automatic user intervention	:	no

OPTIMISATION RECORD

INITIAL CONDITIONS:

Sum of squared weighted residuals (ie phi)	=	666.27
Contribution to phi from observation group "head"	=	666.27
Contribution to phi from observation group "ghb"	=	5.52177E-
32		
Contribution to phi from observation group "const_head"	=	1.52066E-
34		

Current parameter values	
hk_100	20.0000
ghb_300	65.8000
ghb_400	6.04070

```

OPTIMISATION ITERATION NO.      :    1
  Model calls so far            :    1
  Starting phi for this iteration      :    666.27
  Contribution to phi from observation group "head"      :    666.27
  Contribution to phi from observation group "ghb"      :    5.52177E-
32
  Contribution to phi from observation group "const_head" :    1.52066E-
34
    parameter "hk_100" frozen: gradient and update vectors out of
bounds

```

```

      Lambda =   10.000      ----->
      Phi =   666.41        (  1.000 times starting phi)

      Lambda =    5.0000     ----->
      Phi =   666.39        (  1.000 times starting phi)

```

```

    No more lambdas: relative phi reduction between lambdas less than
0.0300
    Lowest phi this iteration:    666.39
    Relative phi reduction between optimisation iterations less than
0.1000
    Switch to central derivatives calculation
    (restart from best parameters so far - these achieved at iteration
0)

```

```

    Current parameter values
    hk_100            20.0000
    ghb_300           65.8000
    ghb_400           6.04070

```

```

OPTIMISATION ITERATION NO.      :    2
  Model calls so far            :    6
  Starting phi for this iteration      :    666.27
  Contribution to phi from observation group "head"      :    666.27
  Contribution to phi from observation group "ghb"      :    5.52177E-
32
  Contribution to phi from observation group "const_head" :    1.52066E-
34
    All frozen parameters freed.
    parameter "hk_100" frozen: gradient and update vectors out of
bounds

```

```

      Lambda =   10.000      ----->
      Phi =   666.85        (  1.001 times starting phi)

      Lambda =    5.0000     ----->
      Phi =   666.85        (  1.001 times starting phi)

```

```

    No more lambdas: relative phi reduction between lambdas less than
0.0300
    Lowest phi this iteration:    666.85

```

Current parameter values		Previous parameter values	
hk_100	20.0000	hk_100	20.0000
ghb_300	13.1600	ghb_300	65.8000
ghb_400	4.90613	ghb_400	6.04070

Maximum factor change: 5.000 ["ghb_300"]
 Maximum relative change: 0.8000 ["ghb_300"]

Optimisation complete: the 3 lowest phi's are within a relative distance

of eachother of 5.000E-03

Total model calls: 14

The model has been run one final time using best parameters.
 Thus all model input files contain best parameter values, and model output files contain model results based on these parameters.

OPTIMISATION RESULTS

Parameters ----->

Parameter	Estimated value	95% percent confidence limits	
		lower limit	upper limit
hk_100	20.0000	6.03865	66.2400
ghb_300	65.8000	-1.716533E+19	1.716533E+19
ghb_400	6.04070	-4.158801E+18	4.158801E+18

Note: confidence limits provide only an indication of parameter uncertainty.

They rely on a linearity assumption which may not extend as far in

parameter space as the confidence limits themselves - see PEST manual.

See file finalwall-vlowk-6-11.sen for parameter sensitivities.

Observations ----->

Observation Weight	Group	Measured value	Calculated value	Residual
hed1		3689.73	3698.34	-8.61100
1.960	head			
hed2		3698.05	3698.62	-0.565000
1.960	head			
hed3		3700.85	3695.82	5.02900
1.960	head			
hed4		3702.56	3699.93	2.63200
1.960	head			
hed5		3706.41	3698.33	8.07700
1.960	head			
hed6		3696.72	3697.95	-1.23100
1.960	head			
no_ghbf0		1.00000	0.00000	1.00000
1.0000E-19	ghb			
no_ghbf1		1.00000	0.00000	1.00000
1.0000E-19	ghb			
no_ghbf2		1.00000	0.00000	1.00000
1.0000E-19	ghb			
no_ghbf3		1.00000	0.00000	1.00000
1.0000E-19	ghb			
no_ghbf4		1.00000	0.00000	1.00000

1.0000E-19	ghb			
no_ghbf5		1.00000	1284.18	-1283.18
1.0000E-19	ghb			
no_ghbf6		1.00000	36.4570	-35.4570
1.0000E-19	ghb			
no_ghbf7		1.00000	1966.13	-1965.13
1.0000E-19	ghb			
no_ghbf8		1.00000	111.431	-110.431
1.0000E-19	ghb			
no_ghbf9		1.00000	5.68136	-4.68136
1.0000E-19	ghb			
no_chdf0		1.00000	-44.6354	45.6354
1.0000E-19	const_head			
no_chdf1		1.00000	-0.973729	1.97373
1.0000E-19	const_head			
no_chdf2		1.00000	-71.0383	72.0383
1.0000E-19	const_head			
no_chdf3		1.00000	-62.2180	63.2180
1.0000E-19	const_head			
no_chdf4		1.00000	-0.127103	1.12710
1.0000E-19	const_head			
no_chdf5		1.00000	-3.30460	4.30460
1.0000E-19	const_head			
no_chdf6		1.00000	-8.950156E-02	1.08950
1.0000E-19	const_head			
no_chdf7		1.00000	-3.81762	4.81762
1.0000E-19	const_head			
no_chdf8		1.00000	-1.46008	2.46008
1.0000E-19	const_head			
no_chdf9		1.00000	-8.450220E-03	1.00845
1.0000E-19	const_head			
no_chdf10		1.00000	-0.574003	1.57400
1.0000E-19	const_head			
no_chdf11		1.00000	-0.189512	1.18951
1.0000E-19	const_head			
no_chdf12		1.00000	-9.031176E-03	1.00903
1.0000E-19	const_head			
no_chdf13		1.00000	-0.306374	1.30637
1.0000E-19	const_head			
no_chdf14		1.00000	-0.273036	1.27304
1.0000E-19	const_head			
no_chdf15		1.00000	-2.555785E-03	1.00256
1.0000E-19	const_head			
no_chdf16		1.00000	-20.2885	21.2885
1.0000E-19	const_head			
no_chdf17		1.00000	-0.426367	1.42637
1.0000E-19	const_head			
no_chdf18		1.00000	-32.4003	33.4003
1.0000E-19	const_head			
no_chdf19		1.00000	-46.9718	47.9718
1.0000E-19	const_head			
no_chdf20		1.00000	-0.194280	1.19428
1.0000E-19	const_head			

See file finalwall-vlowk-6-11.res for more details of residuals in graph-ready format.

See file finalwall-vlowk-6-11.seo for composite observation sensitivities.

Objective function ----->

Sum of squared weighted residuals (ie phi)	=	666.3
Contribution to phi from observation group "head"	=	666.3
Contribution to phi from observation group "ghb"	=	5.5218E-
32		
Contribution to phi from observation group "const_head"	=	1.5207E-
34		

Correlation Coefficient ----->

Correlation coefficient	=	1.000
-------------------------	---	-------

Analysis of residuals ----->

All residuals:-		
Number of residuals with non-zero weight	=	
37		
Mean value of non-zero weighted residuals	=	
0.2824		
Maximum weighted residual [observation "hed5"]	=	
15.83		
Minimum weighted residual [observation "hed1"]	=	-
16.88		
Standard variance of weighted residuals	=	
19.60		
Standard error of weighted residuals	=	
4.427		

Note: the above variance was obtained by dividing the objective function by the number of system degrees of freedom (ie. number of observations with non-zero weight plus number of prior information articles with non-zero weight minus the number of adjustable parameters.)

If the degrees of freedom is negative the divisor becomes the number of observations with non-zero weight plus the number of prior information items with non-zero weight.

Residuals for observation group "head":-		
Number of residuals with non-zero weight	=	
6		
Mean value of non-zero weighted residuals	=	
1.741		
Maximum weighted residual [observation "hed5"]	=	
15.83		
Minimum weighted residual [observation "hed1"]	=	-
16.88		
"Variance" of weighted residuals	=	
111.0		
"Standard error" of weighted residuals	=	
10.54		

Note: the above "variance" was obtained by dividing the sum of squared residuals by the number of items with non-zero weight.

Residuals for observation group "ghb":-

```

      Number of residuals with non-zero weight                =
10      Mean value of non-zero weighted residuals            = -
3.3939E-17
      Maximum weighted residual [observation "no_ghbf0"]      =
1.0000E-19
      Minimum weighted residual [observation "no_ghbf7"]      = -
1.9651E-16
      "Variance" of weighted residuals                        =
5.5218E-33
      "Standard error" of weighted residuals                  =
7.4309E-17

```

Note: the above "variance" was obtained by dividing the sum of squared residuals by the number of items with non-zero weight.

```

Residuals for observation group "const_head":-
      Number of residuals with non-zero weight                =
21      Mean value of non-zero weighted residuals            =
1.4777E-18
      Maximum weighted residual [observation "no_chdf2"]      =
7.2038E-18
      Minimum weighted residual [observation "no_chdf15"]     =
1.0026E-19
      "Variance" of weighted residuals                        =
7.2412E-36
      "Standard error" of weighted residuals                  =
2.6910E-18

```

Note: the above "variance" was obtained by dividing the sum of squared residuals by the number of items with non-zero weight.

Parameter covariance matrix ----->

	hk_100	ghb_300	ghb_400
hk_100	6.5407E-02	-7.6256E-02	-2.1349E-04
ghb_300	-7.6256E-02	7.1248E+37	1.3896E+35
ghb_400	-2.1349E-04	1.3896E+35	4.1822E+36

Parameter correlation coefficient matrix ----->

	hk_100	ghb_300	ghb_400
hk_100	1.000	-3.5324E-20	-4.0819E-22
ghb_300	-3.5324E-20	1.000	8.0500E-03
ghb_400	-4.0819E-22	8.0500E-03	1.000

Normalized eigenvectors of parameter covariance matrix ----->

	Vector_1	Vector_2	Vector_3
hk_100	1.000	1.3269E-41	-1.0703E-39
ghb_300	1.0703E-39	2.0720E-03	1.000
ghb_400	1.5487E-41	-1.000	2.0720E-03

Eigenvalues ----->

6.5407E-02	4.1819E+36	7.1248E+37
------------	------------	------------

```
3 0 0 3
0 0 0 0
HK_100 1 1 20.0 0.001 20.0 1.0
GHB_300 1 0 65.80032 0.001 1000.0 1.0
GHB_400 1 0 6.040748 0.001 1000.0 1.0
```

```
#GMS_HDF5_01
1 40 AUX IFACE AUX QFACT AUX CELLGRP
      1      0      0
GMS_HDF5_01 "FINALWALL-VLOWK-6-11.h5" "Well" 1
```