


North\_Trend\_May-10.asp  
0 0 IPESTINT INTERP  
1 0 0 0.0 NOSTOP HDRYBOT LIMOP MINTHICK

| United States Nuclear Regulatory Commission Official Hearing Exhibit   |  |
|--|--|
| In the Matter of: CROW BUTTE RESOURCES, INC.<br>(License Renewal for the In Situ Leach Facility, Crawford, Nebraska) |  |
|                                     | ASLBP #: 08-867-02-OLA-BD01                      |
|  | Docket #: 04008943                               |
|  | Exhibit #: BRD-007A-00-BD01                      |
|  | Admitted: 9/4/2015                               |
|  | Rejected:  |
| Other:   |  |
|  | Identified: 8/26/2015<br>Withdrawn:<br>Stricken: |

North\_Trend\_May-10.ba6

#NT-1

#12 December 2007

FREE

|             |     |    |                         |                     |   |   |       |
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| HDF5        | 1.0 | -1 | "North_Trend_May-10.h5" | "Arrays/ibound2"    | 1 | 0 | 10000 |
| HDF5        | 1.0 | -1 | "North_Trend_May-10.h5" | "Arrays/ibound3"    | 1 | 0 | 10000 |
| HDF5        | 1.0 | -1 | "North_Trend_May-10.h5" | "Arrays/ibound4"    | 1 | 0 | 10000 |
| HDF5        | 1.0 | -1 | "North_Trend_May-10.h5" | "Arrays/ibound5"    | 1 | 0 | 10000 |
| HDF5        | 1.0 | -1 | "North_Trend_May-10.h5" | "Arrays/ibound6"    | 1 | 0 | 10000 |
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North\_Trend\_May-10.chd

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GMS\_HDF5\_01 "North\_Trend\_May-10.h5" "Specified Head" 1

North\_Trend\_May-10.chob

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North\_Trend\_May-10.chob

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North\_Trend\_May-10.gbob

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North\_Trend\_May-10.gbob

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North\_Trend\_May-10.gbob

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North\_Trend\_May-10.gbob

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5 43 90 1.0
5 42 90 1.0
5 42 89 1.0
5 41 89 1.0
5 41 88 1.0
5 40 88 1.0
5 39 88 1.0
5 39 87 1.0
5 38 87 1.0
5 38 86 1.0
5 37 86 1.0
5 36 86 1.0
5 36 85 1.0
5 35 85 1.0
5 35 84 1.0
5 34 84 1.0
5 33 84 1.0
5 33 83 1.0
5 32 83 1.0
5 32 82 1.0
5 31 82 1.0
5 30 82 1.0
5 30 81 1.0
5 29 81 1.0
```



North\_Trend\_May-10.gbob

|   |    |    |     |
|---|----|----|-----|
| 5 | 29 | 80 | 1.0 |
| 5 | 28 | 80 | 1.0 |
| 5 | 27 | 80 | 1.0 |
| 5 | 27 | 79 | 1.0 |
| 5 | 26 | 79 | 1.0 |
| 5 | 25 | 79 | 1.0 |
| 5 | 25 | 78 | 1.0 |
| 5 | 24 | 78 | 1.0 |
| 5 | 24 | 77 | 1.0 |
| 5 | 23 | 77 | 1.0 |
| 5 | 22 | 77 | 1.0 |
| 5 | 22 | 76 | 1.0 |
| 5 | 21 | 76 | 1.0 |
| 5 | 21 | 75 | 1.0 |
| 5 | 20 | 75 | 1.0 |
| 5 | 19 | 75 | 1.0 |
| 5 | 19 | 74 | 1.0 |
| 5 | 18 | 74 | 1.0 |

North\_Trend\_May-10.ghb

#GMS\_HDF5\_01

371 40 AUX IFACE AUX CONDFACT AUX CELLGRP

371 0 0

GMS\_HDF5\_01 "North\_Trend\_May-10.h5" "General Head" 1

North\_Trend\_May-10.glo  
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 GLOBAL file.

GLOBAL LISTING FILE: "North\_Trend\_May-10.glo"  
UNIT 1

OPENING "North\_Trend\_May-10.out"  
FILE TYPE:LIST UNIT 2 STATUS:REPLACE  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.hed"  
FILE TYPE:DATA(BINARY) UNIT 30 STATUS:UNKNOWN  
FORMAT:BINAR Y ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.ccf"  
FILE TYPE:DATA(BINARY) UNIT 40 STATUS:UNKNOWN  
FORMAT:BINAR Y ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.lmt"  
FILE TYPE:LMT6 UNIT 18 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

#

# Obs-Sen-Pes Process Input Files

OPENING "North\_Trend\_May-10.obs"  
FILE TYPE:OBS UNIT 50 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.hob"  
FILE TYPE:HOB UNIT 51 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.gbob"  
FILE TYPE:GBOB UNIT 53 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.drob"  
FILE TYPE:DROB UNIT 54 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.chob"  
FILE TYPE:CHOB UNIT 55 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.t\_snn"  
FILE TYPE:SEN UNIT 57 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "North\_Trend\_May-10.pes"  
FILE TYPE:PES UNIT 58 STATUS:OLD  
FORMAT:FORMATTED ACCESS:SEQUENTIAL

FILE TYPE:ASP: FILE = North\_Trend\_May-10.asp  
#

North\_Trend\_May-10.glo

# Global Input Files

```
OPENING "North_Trend_May-10.dis"
FILE TYPE:DIS UNIT 19 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
#
```

# Flow Process Input Files

```
OPENING "North_Trend_May-10.ba6"
FILE TYPE:BAS6 UNIT 3 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.lpf"
FILE TYPE:LPF UNIT 4 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.oc"
FILE TYPE:OC UNIT 15 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.rch"
FILE TYPE:RCH UNIT 16 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.wel"
FILE TYPE:WEL UNIT 9 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.drn"
FILE TYPE:DRN UNIT 10 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.ghb"
FILE TYPE:GHB UNIT 11 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.evt"
FILE TYPE:EVT UNIT 12 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.chd"
FILE TYPE:CHD UNIT 13 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

```
OPENING "North_Trend_May-10.pcg"
FILE TYPE:PCG UNIT 14 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
```

THE FREE FORMAT OPTION HAS BEEN SELECTED

DISCRETIZATION INPUT DATA READ FROM UNIT 19

# MF2K DISCRETIZATION FILE

#

#

```
# NLAY NROW NCOL NPER TIMEUNITS LENUNITS
6 LAYERS 100 ROWS 100 COLUMNS
```

Page 2

1 STRESS PERIOD(S) IN SIMULATION  
 MODEL TIME UNIT IS DAYS  
 MODEL LENGTH UNIT IS FEET  
 THE GROUND-WATER TRANSPORT PROCESS IS INACTIVE

THE OBSERVATION PROCESS IS ACTIVE  
 THE SENSITIVITY PROCESS IS ACTIVE, BUT ISENALL < 0  
 THE PARAMETER-ESTIMATION PROCESS IS ACTIVE

MODE: FORWARD WITH OBSERVATIONS AND PARAMETER-VALUE SUBSTITUTION

Confining bed flag for each layer:  
 0 0 0 0 0 0

540200 ELEMENTS OF GX ARRAY USED OUT OF 540200  
 60000 ELEMENTS OF GZ ARRAY USED OUT OF 60000  
 60000 ELEMENTS OF IG ARRAY USED OUT OF 60000

VARIABLES READ FROM ASP INPUT FILE:-

NOSTOP = 1 : DO NOT CEASE EXECUTION IF MODFLOW FAILS TO CONVERGE.  
 HYDRYBOT = 0 : ASSIGN HDRY TO HEAD IN DRY CELL.  
 MINTHICK = 0.000: DO NOT PREVENT BASAL CELLS DRYING OUT.  
 LIMOP = 0 : NO LIMITATIONS ON OBSERVATION OR SENSITIVITY OUTPUT.

READING ON UNIT 19 WITH FORMAT: (FREE) DELR

READING ON UNIT 19 WITH FORMAT: (FREE) DELC

| STRESS PERIOD | LENGTH   | TIME STEPS | MULTIPLIER FOR DELT | SS FLAG |
|---------------|----------|------------|---------------------|---------|
| 1             | 1.000000 | 1          | 1.000               | SS      |

STEADY-STATE SIMULATION

LPF1 -- LAYER PROPERTY FLOW PACKAGE, VERSION 1, 1/11/2000  
 INPUT READ FROM UNIT 4  
 CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT 40  
 HEAD AT CELLS THAT CONVERT TO DRY= -888.00  
 No named parameters

| LAYER | LAYTYP | LAYAVG | CHANI      | LAYVKA | LAYWET |
|-------|--------|--------|------------|--------|--------|
| 1     | 1      | 0      | -1.000E+00 | 1      | 1      |
| 2     | 0      | 0      | -1.000E+00 | 1      | 0      |
| 3     | 0      | 0      | -1.000E+00 | 1      | 0      |
| 4     | 0      | 0      | -1.000E+00 | 1      | 0      |

```

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5      0      0      -1.000E+00      1      0
6      0      0      -1.000E+00      1      0

```

INTERPRETATION OF LAYER FLAGS:

| LAYER | LAYER TYPE (LAYTYP) | INTERBLOCK TRANSMISSIVITY (LAYAVG) | HORIZONTAL ANISOTROPY (CHANI) | DATA IN ARRAY VKA (LAYVKA) | WETTABILITY (LAYWET) |
|-------|---------------------|------------------------------------|-------------------------------|----------------------------|----------------------|
| 1     | CONVERTIBLE         | HARMONIC                           | VARIABLE                      | ANISOTROPY                 | WETTABLE             |
| 2     | CONFINED            | HARMONIC                           | VARIABLE                      | ANISOTROPY                 | NON-WETTABLE         |
| 3     | CONFINED            | HARMONIC                           | VARIABLE                      | ANISOTROPY                 | NON-WETTABLE         |
| 4     | CONFINED            | HARMONIC                           | VARIABLE                      | ANISOTROPY                 | NON-WETTABLE         |
| 5     | CONFINED            | HARMONIC                           | VARIABLE                      | ANISOTROPY                 | NON-WETTABLE         |
| 6     | CONFINED            | HARMONIC                           | VARIABLE                      | ANISOTROPY                 | NON-WETTABLE         |

240000 ELEMENTS IN X ARRAY ARE USED BY LPF  
36 ELEMENTS IN IX ARRAY ARE USED BY LPF

PCG2 -- CONJUGATE GRADIENT SOLUTION PACKAGE, VERSION 2.4, 12/29/98  
MAXIMUM OF 25 CALLS OF SOLUTION ROUTINE  
MAXIMUM OF 50 INTERNAL ITERATIONS PER CALL TO SOLUTION ROUTINE  
MATRIX PRECONDITIONING TYPE : 1  
122500 ELEMENTS IN X ARRAY ARE USED BY PCG  
8750 ELEMENTS IN IX ARRAY ARE USED BY PCG  
240000 ELEMENTS IN Z ARRAY ARE USED BY PCG

SEN1BAS6 -- SENSITIVITY PROCESS, VERSION 1.0, 10/15/98  
INPUT READ FROM UNIT 57

NUMBER OF PARAMETER VALUES TO BE READ FROM SEN FILE: 3  
ISENALL.....: -1  
SENSITIVITY PROCESS HAS BEEN DEACTIVATED BECAUSE ISENALL<0  
PARAMETER-ESTIMATION PROCESS HAS BEEN DEACTIVATED BECAUSE ISENALL<0

60022 ELEMENTS IN X ARRAY ARE USED FOR SENSITIVITIES  
60000 ELEMENTS IN Z ARRAY ARE USED FOR SENSITIVITIES  
6 ELEMENTS IN IX ARRAY ARE USED FOR SENSITIVITIES

OBS1BAS6 -- OBSERVATION PROCESS, VERSION 1.0, 4/27/99  
INPUT READ FROM UNIT 50  
OBSERVATION GRAPH-DATA OUTPUT FILES  
WILL BE PRINTED AND NAMED USING THE BASE: North\_Trend\_May-10

HEAD OBSERVATIONS -- INPUT READ FROM UNIT 51

| #         | Coverage    | GUID                                 | ObjectType | ID   | X        | Y        | Time | OBNAME |
|-----------|-------------|--------------------------------------|------------|------|----------|----------|------|--------|
| ts_0 hed1 | #GMSCOMMENT | b65651bb-5d3e-49f7-ab1c-bfd45d5e548c | POINT      | 5774 | 221327.2 | 326728.0 |      |        |
| ts_0 hed2 | #GMSCOMMENT | b65651bb-5d3e-49f7-ab1c-bfd45d5e548c | POINT      | 5775 | 219776.0 | 326790.0 |      |        |
| ts_0 hed3 | #GMSCOMMENT | b65651bb-5d3e-49f7-ab1c-bfd45d5e548c | POINT      | 5776 | 220131.0 | 325400.6 |      |        |
| ts_0 hed4 | #GMSCOMMENT | b65651bb-5d3e-49f7-ab1c-bfd45d5e548c | POINT      | 5777 | 220779.0 | 324851.0 |      |        |
| ts_0 hed5 | #GMSCOMMENT | b65651bb-5d3e-49f7-ab1c-bfd45d5e548c | POINT      | 5778 | 219770.0 | 325299.0 |      |        |
| ts_0 hed6 | #GMSCOMMENT | b65651bb-5d3e-49f7-ab1c-bfd45d5e548c | POINT      | 5779 | 220383.0 | 323927.0 |      |        |
| ts_0 hed7 | #GMSCOMMENT | b65651bb-5d3e-49f7-ab1c-bfd45d5e548c | POINT      | 5780 | 220522.0 | 325981.0 |      |        |

NUMBER OF HEADS.....: 7  
NUMBER OF MULTILAYER HEADS.....: 0  
MAXIMUM NUMBER OF LAYERS FOR MULTILAYER HEADS.....: 6

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OBS1DRN6 -- OBSERVATION PROCESS (DRAIN FLOW OBSERVATIONS)

VERSION 1.0, 10/15/98

INPUT READ FROM UNIT 54

```
# CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 10 219844.66804226
323714.6211621 1.0 no_drnf0
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 13 220252.07467856
327951.884473 1.0 no_drnf1
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 7 219577.55469813
327236.58330639 1.0 no_drnf2
```

```
NUMBER OF FLOW-OBSERVATION DRAIN-CELL GROUPS.....: 3
NUMBER OF CELLS IN DRAIN-CELL GROUPS.....: 63
NUMBER OF DRAIN-CELL FLOWS.....: 3
```

OBS1GHB6 -- OBSERVATION PROCESS (GENERAL HEAD BOUNDARY FLOW OBSERVATIONS)

VERSION 1.0, 10/15/98

INPUT READ FROM UNIT 53

```
# CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 1 221620.32472546
324401.08427563 1.0 no_ghbf0
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 2 219899.98547031
328399.37538393 1.0 no_ghbf1
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 3 219323.21532894
326636.73976194 1.0 no_ghbf2
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 4 219606.20168673
324019.54638495 1.0 no_ghbf3
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 5 221825.0 326713.0 1.0
no_ghbf4
```

```
NUMBER OF FLOW-OBSERVATION GENERAL-HEAD-CELL GROUPS: 5
NUMBER OF CELLS IN GENERAL-HEAD-CELL GROUPS.....: 373
NUMBER OF GENERAL-HEAD-CELL FLOWS.....: 5
```

OBS1BAS6F -- OBSERVATION PROCESS (CONSTANT-HEAD BOUNDARY FLOW OBSERVATIONS)

VERSION 1.0, 12/03/99

INPUT READ FROM UNIT 55

```
# CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 1 221706.7893717
324591.94949304 1.0 no_chdf0
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 11 219594.16804226
323688.6211621 1.0 no_chdf1
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 12 220080.0 323316.0 1.0
no_chdf2
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 2 219501.18238633
328416.68044872 1.0 no_chdf3
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 3 218869.23003934
327810.9157566 1.0 no_chdf4
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 4 219829.5 323290.0 1.0
no_chdf5
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 5 221825.0 326713.0 1.0
no_chdf6
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 6 219619.23539641
324377.97340138 1.0 no_chdf7
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 8 219282.05029394
325848.27101463 1.0 no_chdf8
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 9 220581.52416746
327592.41058298 1.0 no_chdf9
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 1 221706.7893717
324591.94949304 1.0 no_chdf10
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 11 219594.16804226
323688.6211621 1.0 no_chdf11
```

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```
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 12 220080.0 323316.0 1.0
no_chdf12
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 2 219501.18238633
328416.68044872 1.0 no_chdf13
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 3 218869.23003934
327810.9157566 1.0 no_chdf14
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 4 219829.5 323290.0 1.0
no_chdf15
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 5 221825.0 326713.0 1.0
no_chdf16
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 6 219619.23539641
324377.97340138 1.0 no_chdf17
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 8 219282.05029394
325848.27101463 1.0 no_chdf18
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 9 220581.52416746
327592.41058298 1.0 no_chdf19
```

```
NUMBER OF FLOW-OBSERVATION CONSTANT-HEAD-CELL GROUPS: 20
NUMBER OF CELLS IN CONSTANT-HEAD-CELL GROUPS.....: 752
NUMBER OF CONSTANT-HEAD-CELL FLOWS.....: 20
```

```
8261 ELEMENTS IN X ARRAY ARE USED FOR OBSERVATIONS
870 ELEMENTS IN Z ARRAY ARE USED FOR OBSERVATIONS
297 ELEMENTS IN IX ARRAY ARE USED FOR OBSERVATIONS
```

COMMON ERROR VARIANCE FOR ALL OBSERVATIONS SET TO: 1.000

```
430783 ELEMENTS OF X ARRAY USED OUT OF 430783
300870 ELEMENTS OF Z ARRAY USED OUT OF 300870
9089 ELEMENTS OF IX ARRAY USED OUT OF 9089
0 ELEMENTS OF XHS ARRAY USED OUT OF 1
```

INFORMATION ON PARAMETERS LISTED IN SEN FILE

| NAME    | ISENS | LN | VALUE IN SEN<br>INPUT FILE | LOWER<br>REASONABLE<br>LIMIT | UPPER<br>REASONABLE<br>LIMIT | ALTERNATE<br>SCALING<br>FACTOR |
|---------|-------|----|----------------------------|------------------------------|------------------------------|--------------------------------|
| HK_800  | 1     | 0  | 1.0332                     | 0.10000E-02                  | 20.000                       | 1.0000                         |
| GHB_300 | 1     | 0  | 1.9287                     | 0.10000E-02                  | 1000.0                       | 1.0000                         |
| GHB_400 | 1     | 0  | 779.41                     | 0.10000E-02                  | 1000.0                       | 1.0000                         |

FOR THE PARAMETERS LISTED IN THE TABLE ABOVE, PARAMETER VALUES IN INDIVIDUAL PACKAGE INPUT FILES ARE REPLACED BY THE VALUES FROM THE SEN INPUT FILE. THE ALTERNATE SCALING FACTOR IS USED TO SCALE SENSITIVITIES IF IT IS LARGER THAN THE PARAMETER VALUE IN ABSOLUTE VALUE AND THE PARAMETER IS NOT LOG-TRANSFORMED.

BECAUSE ISENALL < 0, ALL ISENS ARE SET TO 0

HEAD OBSERVATION VARIANCES ARE MULTIPLIED BY: 1.000

OBSERVED HEAD DATA -- TIME OFFSETS ARE MULTIPLIED BY: 1.0000

| OBS# | OBSERVATION<br>NAME | REFER.<br>STRESS<br>PERIOD | TIME<br>OFFSET | OBSERVATION | STATISTIC | STATISTIC<br>TYPE | PLOT<br>SYM. |
|------|---------------------|----------------------------|----------------|-------------|-----------|-------------------|--------------|
| 1    | hed1                | 1                          | 0.000          | 3690.       | 1.531     | STD. DEV.         | 1            |
| 2    | hed2                | 1                          | 0.000          | 3698.       | 1.531     | STD. DEV.         | 1            |
| 3    | hed3                | 1                          | 0.000          | 3697.       | 1.531     | STD. DEV.         | 1            |
| 4    | hed4                | 1                          | 0.000          | 3701.       | 1.531     | STD. DEV.         | 1            |
| 5    | hed5                | 1                          | 0.000          | 3706.       | 1.531     | STD. DEV.         | 1            |
| 6    | hed6                | 1                          | 0.000          | 3703.       | 1.531     | STD. DEV.         | 1            |
| 7    | hed7                | 1                          | 0.000          | 3605.       | 1.531     | STD. DEV.         | 1            |



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| OBS# | OBSERVATION NAME | LAY | ROW | COL | ROW OFFSET | COL OFFSET | HEAD CHANGE REFERENCE OBSERVATION (IF > 0) |
|------|------------------|-----|-----|-----|------------|------------|--|
| 1    | hed1             | 5   | 32  | 73  | 0.135      | -0.495     | 0  |
| 2    | hed2             | 5   | 31  | 40  | 0.047      | -0.250     | 0  |
| 3    | hed3             | 5   | 55  | 47  | 0.419      | 0.246      | 0  |
| 4    | hed4             | 5   | 65  | 61  | 0.060      | -0.071     | 0  |
| 5    | hed5             | 5   | 57  | 40  | 0.202      | -0.377     | 0  |
| 6    | hed6             | 5   | 81  | 53  | 0.268      | -0.433     | 0  |
| 7    | hed7             | 5   | 45  | 56  | 0.238      | -0.498     | 0  |

DRAIN-CELL FLOW OBSERVATION VARIANCES ARE MULTIPLIED BY: 1.000

OBSERVED DRAIN-CELL FLOW DATA  
 -- TIME OFFSETS ARE MULTIPLIED BY: 1.0000

GROUP NUMBER: 1 BOUNDARY TYPE: DRN NUMBER OF CELLS IN GROUP: 12  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED DRAIN FLOW GAIN (-) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|------------------------------|------------|----------------|-----------|
| 8    | no_drnf0         | 1                    | 0.000       | 1.000                        | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                       |            |                |           |
|      | 1.               | 86.                  | 46.         | 1.00                         |            |                |           |
|      | 1.               | 86.                  | 45.         | 1.00                         |            |                |           |
|      | 1.               | 86.                  | 44.         | 1.00                         |            |                |           |
|      | 1.               | 86.                  | 43.         | 1.00                         |            |                |           |
|      | 1.               | 85.                  | 43.         | 1.00                         |            |                |           |
|      | 1.               | 85.                  | 42.         | 1.00                         |            |                |           |
|      | 1.               | 85.                  | 41.         | 1.00                         |            |                |           |
|      | 1.               | 85.                  | 40.         | 1.00                         |            |                |           |
|      | 1.               | 84.                  | 40.         | 1.00                         |            |                |           |
|      | 1.               | 84.                  | 39.         | 1.00                         |            |                |           |
|      | 1.               | 84.                  | 38.         | 1.00                         |            |                |           |
|      | 1.               | 84.                  | 37.         | 1.00                         |            |                |           |

GROUP NUMBER: 2 BOUNDARY TYPE: DRN NUMBER OF CELLS IN GROUP: 31  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED DRAIN FLOW GAIN (-) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|------------------------------|------------|----------------|-----------|
| 9    | no_drnf1         | 1                    | 0.000       | 1.000                        | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                       |            |                |           |
|      | 1.               | 4.                   | 53.         | 1.00                         |            |                |           |
|      | 1.               | 5.                   | 53.         | 1.00                         |            |                |           |
|      | 1.               | 5.                   | 52.         | 1.00                         |            |                |           |
|      | 1.               | 6.                   | 52.         | 1.00                         |            |                |           |
|      | 1.               | 7.                   | 52.         | 1.00                         |            |                |           |
|      | 1.               | 7.                   | 51.         | 1.00                         |            |                |           |
|      | 1.               | 8.                   | 51.         | 1.00                         |            |                |           |
|      | 1.               | 9.                   | 51.         | 1.00                         |            |                |           |
|      | 1.               | 9.                   | 50.         | 1.00                         |            |                |           |
|      | 1.               | 10.                  | 50.         | 1.00                         |            |                |           |
|      | 1.               | 11.                  | 50.         | 1.00                         |            |                |           |
|      | 1.               | 11.                  | 49.         | 1.00                         |            |                |           |
|      | 1.               | 12.                  | 49.         | 1.00                         |            |                |           |
|      | 1.               | 13.                  | 49.         | 1.00                         |            |                |           |
|      | 1.               | 13.                  | 48.         | 1.00                         |            |                |           |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 14. | 48. | 1.00 |
| 1. | 14. | 47. | 1.00 |
| 1. | 15. | 47. | 1.00 |
| 1. | 15. | 46. | 1.00 |
| 1. | 15. | 45. | 1.00 |
| 1. | 16. | 45. | 1.00 |
| 1. | 16. | 44. | 1.00 |
| 1. | 17. | 44. | 1.00 |
| 1. | 17. | 43. | 1.00 |
| 1. | 18. | 43. | 1.00 |
| 1. | 18. | 42. | 1.00 |
| 1. | 18. | 43. | 1.00 |
| 1. | 19. | 43. | 1.00 |
| 1. | 20. | 43. | 1.00 |
| 1. | 21. | 43. | 1.00 |
| 1. | 21. | 44. | 1.00 |

GROUP NUMBER: 3 BOUNDARY TYPE: DRN NUMBER OF CELLS IN GROUP: 20  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED DRAIN FLOW GAIN (-) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|------------------------------|------------|----------------|-----------|
| 10   | no_drnf2         | 1                    | 0.000       | 1.000                        | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                       |            |                |           |
|      | 1.               | 21.                  | 44.         | 1.00                         |            |                |           |
|      | 1.               | 22.                  | 44.         | 1.00                         |            |                |           |
|      | 1.               | 22.                  | 43.         | 1.00                         |            |                |           |
|      | 1.               | 22.                  | 42.         | 1.00                         |            |                |           |
|      | 1.               | 22.                  | 41.         | 1.00                         |            |                |           |
|      | 1.               | 22.                  | 40.         | 1.00                         |            |                |           |
|      | 1.               | 23.                  | 40.         | 1.00                         |            |                |           |
|      | 1.               | 23.                  | 39.         | 1.00                         |            |                |           |
|      | 1.               | 23.                  | 38.         | 1.00                         |            |                |           |
|      | 1.               | 23.                  | 37.         | 1.00                         |            |                |           |
|      | 1.               | 23.                  | 36.         | 1.00                         |            |                |           |
|      | 1.               | 23.                  | 35.         | 1.00                         |            |                |           |
|      | 1.               | 23.                  | 34.         | 1.00                         |            |                |           |
|      | 1.               | 24.                  | 34.         | 1.00                         |            |                |           |
|      | 1.               | 24.                  | 33.         | 1.00                         |            |                |           |
|      | 1.               | 24.                  | 32.         | 1.00                         |            |                |           |
|      | 1.               | 24.                  | 31.         | 1.00                         |            |                |           |
|      | 1.               | 24.                  | 30.         | 1.00                         |            |                |           |
|      | 1.               | 24.                  | 29.         | 1.00                         |            |                |           |
|      | 1.               | 24.                  | 28.         | 1.00                         |            |                |           |

GENERAL-HEAD-CELL FLOW OBSERVATION VARIANCES ARE MULTIPLIED BY: 1.000

OBSERVED GENERAL-HEAD-CELL FLOW DATA  
 -- TIME OFFSETS ARE MULTIPLIED BY: 1.0000

GROUP NUMBER: 4 BOUNDARY TYPE: GHB NUMBER OF CELLS IN GROUP: 108  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 11   | no_ghbfo         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 5.               | 97.                  | 46.         | 1.00  |            |                |           |

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|    |     |     |      |
|----|-----|-----|------|
| 5. | 96. | 46. | 1.00 |
| 5. | 95. | 46. | 1.00 |
| 5. | 94. | 46. | 1.00 |
| 5. | 93. | 46. | 1.00 |
| 5. | 92. | 46. | 1.00 |
| 5. | 91. | 46. | 1.00 |
| 5. | 90. | 46. | 1.00 |
| 5. | 89. | 46. | 1.00 |
| 5. | 88. | 46. | 1.00 |
| 5. | 87. | 46. | 1.00 |
| 5. | 87. | 47. | 1.00 |
| 5. | 86. | 47. | 1.00 |
| 5. | 86. | 48. | 1.00 |
| 5. | 86. | 49. | 1.00 |
| 5. | 86. | 50. | 1.00 |
| 5. | 86. | 51. | 1.00 |
| 5. | 85. | 51. | 1.00 |
| 5. | 85. | 52. | 1.00 |
| 5. | 85. | 53. | 1.00 |
| 5. | 85. | 54. | 1.00 |
| 5. | 85. | 55. | 1.00 |
| 5. | 84. | 55. | 1.00 |
| 5. | 84. | 56. | 1.00 |
| 5. | 84. | 57. | 1.00 |
| 5. | 83. | 57. | 1.00 |
| 5. | 83. | 58. | 1.00 |
| 5. | 82. | 58. | 1.00 |
| 5. | 81. | 58. | 1.00 |
| 5. | 81. | 59. | 1.00 |
| 5. | 80. | 59. | 1.00 |
| 5. | 79. | 59. | 1.00 |
| 5. | 78. | 59. | 1.00 |
| 5. | 78. | 60. | 1.00 |
| 5. | 77. | 60. | 1.00 |
| 5. | 76. | 60. | 1.00 |
| 5. | 76. | 61. | 1.00 |
| 5. | 75. | 61. | 1.00 |
| 5. | 74. | 61. | 1.00 |
| 5. | 73. | 61. | 1.00 |
| 5. | 73. | 62. | 1.00 |
| 5. | 72. | 62. | 1.00 |
| 5. | 72. | 63. | 1.00 |
| 5. | 72. | 64. | 1.00 |
| 5. | 73. | 64. | 1.00 |
| 5. | 73. | 65. | 1.00 |
| 5. | 74. | 65. | 1.00 |
| 5. | 75. | 65. | 1.00 |
| 5. | 75. | 66. | 1.00 |
| 5. | 76. | 66. | 1.00 |
| 5. | 76. | 67. | 1.00 |
| 5. | 77. | 67. | 1.00 |
| 5. | 77. | 68. | 1.00 |
| 5. | 77. | 69. | 1.00 |
| 5. | 77. | 70. | 1.00 |
| 5. | 77. | 71. | 1.00 |
| 5. | 76. | 71. | 1.00 |
| 5. | 76. | 72. | 1.00 |
| 5. | 76. | 73. | 1.00 |
| 5. | 75. | 73. | 1.00 |
| 5. | 75. | 74. | 1.00 |
| 5. | 75. | 75. | 1.00 |
| 5. | 74. | 75. | 1.00 |
| 5. | 74. | 76. | 1.00 |

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|    |     |     |      |
|----|-----|-----|------|
| 5. | 74. | 77. | 1.00 |
| 5. | 74. | 78. | 1.00 |
| 5. | 73. | 78. | 1.00 |
| 5. | 73. | 79. | 1.00 |
| 5. | 73. | 80. | 1.00 |
| 5. | 72. | 80. | 1.00 |
| 5. | 71. | 80. | 1.00 |
| 5. | 70. | 80. | 1.00 |
| 5. | 70. | 81. | 1.00 |
| 5. | 69. | 81. | 1.00 |
| 5. | 68. | 81. | 1.00 |
| 5. | 67. | 81. | 1.00 |
| 5. | 66. | 81. | 1.00 |
| 5. | 65. | 81. | 1.00 |
| 5. | 64. | 81. | 1.00 |
| 5. | 63. | 81. | 1.00 |
| 5. | 62. | 81. | 1.00 |
| 5. | 61. | 81. | 1.00 |
| 5. | 60. | 81. | 1.00 |
| 5. | 59. | 81. | 1.00 |
| 5. | 58. | 81. | 1.00 |
| 5. | 57. | 81. | 1.00 |
| 5. | 56. | 81. | 1.00 |
| 5. | 55. | 81. | 1.00 |
| 5. | 55. | 82. | 1.00 |
| 5. | 54. | 82. | 1.00 |
| 5. | 54. | 83. | 1.00 |
| 5. | 53. | 83. | 1.00 |
| 5. | 53. | 84. | 1.00 |
| 5. | 53. | 85. | 1.00 |
| 5. | 52. | 85. | 1.00 |
| 5. | 52. | 86. | 1.00 |
| 5. | 51. | 86. | 1.00 |
| 5. | 51. | 87. | 1.00 |
| 5. | 51. | 88. | 1.00 |
| 5. | 50. | 88. | 1.00 |
| 5. | 50. | 89. | 1.00 |
| 5. | 49. | 89. | 1.00 |
| 5. | 49. | 90. | 1.00 |
| 5. | 48. | 90. | 1.00 |
| 5. | 48. | 91. | 1.00 |
| 5. | 48. | 92. | 1.00 |
| 5. | 47. | 92. | 1.00 |
| 5. | 47. | 93. | 1.00 |

GROUP NUMBER: 5 BOUNDARY TYPE: GHB NUMBER OF CELLS IN GROUP: 79  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 12   | no_ghbf1         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 5.    | 18. | 74.    | 1.00   |
| 5.    | 18. | 73.    | 1.00   |
| 5.    | 18. | 72.    | 1.00   |
| 5.    | 18. | 71.    | 1.00   |
| 5.    | 18. | 70.    | 1.00   |
| 5.    | 18. | 69.    | 1.00   |
| 5.    | 18. | 68.    | 1.00   |
| 5.    | 18. | 67.    | 1.00   |

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|    |     |     |      |
|----|-----|-----|------|
| 5. | 17. | 67. | 1.00 |
| 5. | 17. | 66. | 1.00 |
| 5. | 17. | 65. | 1.00 |
| 5. | 17. | 64. | 1.00 |
| 5. | 17. | 63. | 1.00 |
| 5. | 17. | 62. | 1.00 |
| 5. | 17. | 61. | 1.00 |
| 5. | 17. | 60. | 1.00 |
| 5. | 17. | 59. | 1.00 |
| 5. | 17. | 58. | 1.00 |
| 5. | 17. | 57. | 1.00 |
| 5. | 17. | 56. | 1.00 |
| 5. | 16. | 56. | 1.00 |
| 5. | 15. | 56. | 1.00 |
| 5. | 14. | 56. | 1.00 |
| 5. | 13. | 56. | 1.00 |
| 5. | 13. | 57. | 1.00 |
| 5. | 12. | 57. | 1.00 |
| 5. | 11. | 57. | 1.00 |
| 5. | 10. | 57. | 1.00 |
| 5. | 9.  | 57. | 1.00 |
| 5. | 8.  | 57. | 1.00 |
| 5. | 7.  | 57. | 1.00 |
| 5. | 6.  | 57. | 1.00 |
| 5. | 5.  | 57. | 1.00 |
| 5. | 4.  | 57. | 1.00 |
| 5. | 3.  | 57. | 1.00 |
| 5. | 3.  | 56. | 1.00 |
| 5. | 3.  | 55. | 1.00 |
| 5. | 3.  | 54. | 1.00 |
| 5. | 3.  | 53. | 1.00 |
| 5. | 3.  | 52. | 1.00 |
| 5. | 3.  | 51. | 1.00 |
| 5. | 3.  | 50. | 1.00 |
| 5. | 3.  | 49. | 1.00 |
| 5. | 3.  | 48. | 1.00 |
| 5. | 3.  | 47. | 1.00 |
| 5. | 3.  | 46. | 1.00 |
| 5. | 3.  | 45. | 1.00 |
| 5. | 3.  | 44. | 1.00 |
| 5. | 3.  | 43. | 1.00 |
| 5. | 3.  | 42. | 1.00 |
| 5. | 3.  | 41. | 1.00 |
| 5. | 3.  | 40. | 1.00 |
| 5. | 3.  | 39. | 1.00 |
| 5. | 3.  | 38. | 1.00 |
| 5. | 3.  | 37. | 1.00 |
| 5. | 3.  | 36. | 1.00 |
| 5. | 3.  | 35. | 1.00 |
| 5. | 3.  | 34. | 1.00 |
| 5. | 2.  | 34. | 1.00 |
| 5. | 2.  | 33. | 1.00 |
| 5. | 2.  | 32. | 1.00 |
| 5. | 2.  | 31. | 1.00 |
| 5. | 2.  | 30. | 1.00 |
| 5. | 2.  | 29. | 1.00 |
| 5. | 2.  | 28. | 1.00 |
| 5. | 2.  | 27. | 1.00 |
| 5. | 2.  | 26. | 1.00 |
| 5. | 2.  | 25. | 1.00 |
| 5. | 2.  | 24. | 1.00 |
| 5. | 2.  | 23. | 1.00 |
| 5. | 2.  | 22. | 1.00 |

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|    |    |     |      |
|----|----|-----|------|
| 5. | 2. | 21. | 1.00 |
| 5. | 2. | 20. | 1.00 |
| 5. | 2. | 19. | 1.00 |
| 5. | 2. | 18. | 1.00 |
| 5. | 2. | 17. | 1.00 |
| 5. | 2. | 16. | 1.00 |
| 5. | 2. | 15. | 1.00 |
| 5. | 2. | 14. | 1.00 |

GROUP NUMBER: 6 BOUNDARY TYPE: GHb NUMBER OF CELLS IN GROUP: 83  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW |            | STATISTIC | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|------------------------|------------|-----------|----------------|-----------|
|      |                  |                      |             | GAIN (-) OR LOSS (+)   | STATISTIC  |           |                |           |
| 13   | no_ghbf2         | 1                    | 0.000       | 1.000                  | 0.1000E+20 | STD. DEV. |                | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 5.    | 66. | 28.    | 1.00   |
| 5.    | 65. | 28.    | 1.00   |
| 5.    | 64. | 28.    | 1.00   |
| 5.    | 63. | 28.    | 1.00   |
| 5.    | 62. | 28.    | 1.00   |
| 5.    | 61. | 28.    | 1.00   |
| 5.    | 61. | 29.    | 1.00   |
| 5.    | 60. | 29.    | 1.00   |
| 5.    | 59. | 29.    | 1.00   |
| 5.    | 58. | 29.    | 1.00   |
| 5.    | 57. | 29.    | 1.00   |
| 5.    | 56. | 29.    | 1.00   |
| 5.    | 55. | 29.    | 1.00   |
| 5.    | 54. | 29.    | 1.00   |
| 5.    | 53. | 29.    | 1.00   |
| 5.    | 52. | 29.    | 1.00   |
| 5.    | 51. | 29.    | 1.00   |
| 5.    | 50. | 29.    | 1.00   |
| 5.    | 49. | 29.    | 1.00   |
| 5.    | 48. | 29.    | 1.00   |
| 5.    | 47. | 29.    | 1.00   |
| 5.    | 46. | 29.    | 1.00   |
| 5.    | 45. | 29.    | 1.00   |
| 5.    | 45. | 30.    | 1.00   |
| 5.    | 44. | 30.    | 1.00   |
| 5.    | 43. | 30.    | 1.00   |
| 5.    | 42. | 30.    | 1.00   |
| 5.    | 41. | 30.    | 1.00   |
| 5.    | 40. | 30.    | 1.00   |
| 5.    | 39. | 30.    | 1.00   |
| 5.    | 38. | 30.    | 1.00   |
| 5.    | 37. | 30.    | 1.00   |
| 5.    | 36. | 30.    | 1.00   |
| 5.    | 35. | 30.    | 1.00   |
| 5.    | 34. | 30.    | 1.00   |
| 5.    | 33. | 30.    | 1.00   |
| 5.    | 32. | 30.    | 1.00   |
| 5.    | 31. | 30.    | 1.00   |
| 5.    | 30. | 30.    | 1.00   |
| 5.    | 29. | 30.    | 1.00   |
| 5.    | 29. | 29.    | 1.00   |
| 5.    | 28. | 29.    | 1.00   |
| 5.    | 27. | 29.    | 1.00   |
| 5.    | 27. | 28.    | 1.00   |

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|    |     |     |      |
|----|-----|-----|------|
| 5. | 26. | 28. | 1.00 |
| 5. | 26. | 27. | 1.00 |
| 5. | 25. | 27. | 1.00 |
| 5. | 24. | 27. | 1.00 |
| 5. | 24. | 26. | 1.00 |
| 5. | 23. | 26. | 1.00 |
| 5. | 22. | 26. | 1.00 |
| 5. | 22. | 25. | 1.00 |
| 5. | 21. | 25. | 1.00 |
| 5. | 20. | 25. | 1.00 |
| 5. | 20. | 24. | 1.00 |
| 5. | 19. | 24. | 1.00 |
| 5. | 18. | 24. | 1.00 |
| 5. | 18. | 23. | 1.00 |
| 5. | 17. | 23. | 1.00 |
| 5. | 17. | 22. | 1.00 |
| 5. | 16. | 22. | 1.00 |
| 5. | 15. | 22. | 1.00 |
| 5. | 15. | 21. | 1.00 |
| 5. | 14. | 21. | 1.00 |
| 5. | 13. | 21. | 1.00 |
| 5. | 13. | 20. | 1.00 |
| 5. | 12. | 20. | 1.00 |
| 5. | 11. | 20. | 1.00 |
| 5. | 11. | 19. | 1.00 |
| 5. | 10. | 19. | 1.00 |
| 5. | 9.  | 19. | 1.00 |
| 5. | 9.  | 18. | 1.00 |
| 5. | 8.  | 18. | 1.00 |
| 5. | 8.  | 17. | 1.00 |
| 5. | 7.  | 17. | 1.00 |
| 5. | 6.  | 17. | 1.00 |
| 5. | 6.  | 16. | 1.00 |
| 5. | 5.  | 16. | 1.00 |
| 5. | 4.  | 16. | 1.00 |
| 5. | 4.  | 15. | 1.00 |
| 5. | 3.  | 15. | 1.00 |
| 5. | 2.  | 15. | 1.00 |
| 5. | 2.  | 14. | 1.00 |

GROUP NUMBER: 7 BOUNDARY TYPE: GHB NUMBER OF CELLS IN GROUP: 53  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 14   | no_ghbf3         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 5.    | 97. | 46.    | 0.00   |
| 5.    | 97. | 46.    | 1.00   |
| 5.    | 97. | 45.    | 1.00   |
| 5.    | 96. | 45.    | 1.00   |
| 5.    | 96. | 44.    | 1.00   |
| 5.    | 95. | 44.    | 1.00   |
| 5.    | 95. | 43.    | 1.00   |
| 5.    | 94. | 43.    | 1.00   |
| 5.    | 94. | 42.    | 1.00   |
| 5.    | 93. | 42.    | 1.00   |
| 5.    | 93. | 41.    | 1.00   |
| 5.    | 92. | 41.    | 1.00   |
| 5.    | 92. | 40.    | 1.00   |

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|    |     |     |      |
|----|-----|-----|------|
| 5. | 91. | 40. | 1.00 |
| 5. | 91. | 39. | 1.00 |
| 5. | 90. | 39. | 1.00 |
| 5. | 90. | 38. | 1.00 |
| 5. | 89. | 38. | 1.00 |
| 5. | 89. | 37. | 1.00 |
| 5. | 88. | 37. | 1.00 |
| 5. | 88. | 36. | 1.00 |
| 5. | 87. | 36. | 1.00 |
| 5. | 86. | 36. | 1.00 |
| 5. | 85. | 36. | 1.00 |
| 5. | 84. | 36. | 1.00 |
| 5. | 83. | 36. | 1.00 |
| 5. | 82. | 36. | 1.00 |
| 5. | 81. | 36. | 1.00 |
| 5. | 80. | 36. | 1.00 |
| 5. | 79. | 36. | 1.00 |
| 5. | 78. | 36. | 1.00 |
| 5. | 77. | 36. | 1.00 |
| 5. | 76. | 36. | 1.00 |
| 5. | 75. | 36. | 1.00 |
| 5. | 74. | 36. | 1.00 |
| 5. | 73. | 36. | 1.00 |
| 5. | 72. | 36. | 1.00 |
| 5. | 72. | 37. | 1.00 |
| 5. | 71. | 37. | 1.00 |
| 5. | 70. | 37. | 1.00 |
| 5. | 69. | 37. | 1.00 |
| 5. | 68. | 37. | 1.00 |
| 5. | 67. | 37. | 1.00 |
| 5. | 66. | 37. | 1.00 |
| 5. | 66. | 36. | 1.00 |
| 5. | 66. | 35. | 1.00 |
| 5. | 66. | 34. | 1.00 |
| 5. | 66. | 33. | 1.00 |
| 5. | 66. | 32. | 1.00 |
| 5. | 66. | 31. | 1.00 |
| 5. | 66. | 30. | 1.00 |
| 5. | 66. | 29. | 1.00 |
| 5. | 66. | 28. | 1.00 |

GROUP NUMBER: 8 BOUNDARY TYPE: GHb NUMBER OF CELLS IN GROUP: 50  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 15   | no_ghbf4         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 5.               | 47.                  | 93.         | 0.00  |            |                |           |
|      | 5.               | 47.                  | 93.         | 1.00  |            |                |           |
|      | 5.               | 47.                  | 92.         | 1.00  |            |                |           |
|      | 5.               | 46.                  | 92.         | 1.00  |            |                |           |
|      | 5.               | 45.                  | 92.         | 1.00  |            |                |           |
|      | 5.               | 45.                  | 91.         | 1.00  |            |                |           |
|      | 5.               | 44.                  | 91.         | 1.00  |            |                |           |
|      | 5.               | 44.                  | 90.         | 1.00  |            |                |           |
|      | 5.               | 43.                  | 90.         | 1.00  |            |                |           |
|      | 5.               | 42.                  | 90.         | 1.00  |            |                |           |
|      | 5.               | 42.                  | 89.         | 1.00  |            |                |           |
|      | 5.               | 41.                  | 89.         | 1.00  |            |                |           |



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|    |     |     |      |
|----|-----|-----|------|
| 5. | 41. | 88. | 1.00 |
| 5. | 40. | 88. | 1.00 |
| 5. | 39. | 88. | 1.00 |
| 5. | 39. | 87. | 1.00 |
| 5. | 38. | 87. | 1.00 |
| 5. | 38. | 86. | 1.00 |
| 5. | 37. | 86. | 1.00 |
| 5. | 36. | 86. | 1.00 |
| 5. | 36. | 85. | 1.00 |
| 5. | 35. | 85. | 1.00 |
| 5. | 35. | 84. | 1.00 |
| 5. | 34. | 84. | 1.00 |
| 5. | 33. | 84. | 1.00 |
| 5. | 33. | 83. | 1.00 |
| 5. | 32. | 83. | 1.00 |
| 5. | 32. | 82. | 1.00 |
| 5. | 31. | 82. | 1.00 |
| 5. | 30. | 82. | 1.00 |
| 5. | 30. | 81. | 1.00 |
| 5. | 29. | 81. | 1.00 |
| 5. | 29. | 80. | 1.00 |
| 5. | 28. | 80. | 1.00 |
| 5. | 27. | 80. | 1.00 |
| 5. | 27. | 79. | 1.00 |
| 5. | 26. | 79. | 1.00 |
| 5. | 25. | 79. | 1.00 |
| 5. | 25. | 78. | 1.00 |
| 5. | 24. | 78. | 1.00 |
| 5. | 24. | 77. | 1.00 |
| 5. | 23. | 77. | 1.00 |
| 5. | 22. | 77. | 1.00 |
| 5. | 22. | 76. | 1.00 |
| 5. | 21. | 76. | 1.00 |
| 5. | 21. | 75. | 1.00 |
| 5. | 20. | 75. | 1.00 |
| 5. | 19. | 75. | 1.00 |
| 5. | 19. | 74. | 1.00 |
| 5. | 18. | 74. | 1.00 |

CONSTANT-HEAD-CELL FLOW OBSERVATION VARIANCES ARE MULTIPLIED BY: 1.000

OBSERVED CONSTANT-HEAD-CELL FLOW DATA  
 -- TIME OFFSETS ARE MULTIPLIED BY: 1.0000

GROUP NUMBER: 9 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 98  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 16   | no_chdf0         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 47.                  | 93.         | 0.19  |            |                |           |
|      | 1.               | 47.                  | 92.         | 0.31  |            |                |           |
|      | 1.               | 48.                  | 92.         | 0.50  |            |                |           |
|      | 1.               | 48.                  | 91.         | 0.50  |            |                |           |
|      | 1.               | 48.                  | 90.         | 0.50  |            |                |           |
|      | 1.               | 49.                  | 90.         | 0.50  |            |                |           |
|      | 1.               | 49.                  | 89.         | 0.50  |            |                |           |
|      | 1.               | 50.                  | 89.         | 0.50  |            |                |           |
|      | 1.               | 50.                  | 88.         | 0.50  |            |                |           |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 51. | 88. | 0.50 |
| 1. | 51. | 87. | 0.50 |
| 1. | 51. | 86. | 0.50 |
| 1. | 52. | 86. | 0.50 |
| 1. | 52. | 85. | 0.50 |
| 1. | 53. | 85. | 0.50 |
| 1. | 53. | 84. | 0.50 |
| 1. | 53. | 83. | 0.50 |
| 1. | 54. | 83. | 0.50 |
| 1. | 54. | 82. | 0.50 |
| 1. | 55. | 82. | 0.50 |
| 1. | 55. | 81. | 0.50 |
| 1. | 56. | 81. | 0.50 |
| 1. | 57. | 81. | 0.50 |
| 1. | 58. | 81. | 0.50 |
| 1. | 59. | 81. | 0.50 |
| 1. | 60. | 81. | 0.50 |
| 1. | 61. | 81. | 0.50 |
| 1. | 62. | 81. | 0.50 |
| 1. | 63. | 81. | 0.50 |
| 1. | 64. | 81. | 0.50 |
| 1. | 65. | 81. | 0.50 |
| 1. | 66. | 81. | 0.50 |
| 1. | 67. | 81. | 0.50 |
| 1. | 68. | 81. | 0.50 |
| 1. | 69. | 81. | 0.50 |
| 1. | 70. | 81. | 0.50 |
| 1. | 70. | 80. | 0.50 |
| 1. | 71. | 80. | 0.50 |
| 1. | 72. | 80. | 0.50 |
| 1. | 73. | 80. | 0.50 |
| 1. | 73. | 79. | 0.50 |
| 1. | 73. | 78. | 0.50 |
| 1. | 74. | 78. | 0.50 |
| 1. | 74. | 77. | 0.50 |
| 1. | 74. | 76. | 0.50 |
| 1. | 74. | 75. | 0.50 |
| 1. | 75. | 75. | 0.50 |
| 1. | 75. | 74. | 0.50 |
| 1. | 75. | 73. | 0.50 |
| 1. | 76. | 73. | 0.50 |
| 1. | 76. | 72. | 0.50 |
| 1. | 76. | 71. | 0.50 |
| 1. | 77. | 71. | 0.50 |
| 1. | 77. | 70. | 0.50 |
| 1. | 77. | 69. | 0.50 |
| 1. | 77. | 68. | 0.50 |
| 1. | 77. | 67. | 0.50 |
| 1. | 76. | 67. | 0.50 |
| 1. | 76. | 66. | 0.50 |
| 1. | 75. | 66. | 0.50 |
| 1. | 75. | 65. | 0.50 |
| 1. | 74. | 65. | 0.50 |
| 1. | 73. | 65. | 0.50 |
| 1. | 73. | 64. | 0.50 |
| 1. | 72. | 64. | 0.50 |
| 1. | 72. | 63. | 0.50 |
| 1. | 72. | 62. | 0.50 |
| 1. | 73. | 62. | 0.50 |
| 1. | 73. | 61. | 0.50 |
| 1. | 74. | 61. | 0.50 |
| 1. | 75. | 61. | 0.50 |
| 1. | 76. | 61. | 0.50 |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 76. | 60. | 0.50 |
| 1. | 77. | 60. | 0.50 |
| 1. | 78. | 60. | 0.50 |
| 1. | 78. | 59. | 0.50 |
| 1. | 79. | 59. | 0.50 |
| 1. | 80. | 59. | 0.50 |
| 1. | 81. | 59. | 0.50 |
| 1. | 81. | 58. | 0.50 |
| 1. | 82. | 58. | 0.50 |
| 1. | 83. | 58. | 0.50 |
| 1. | 83. | 57. | 0.50 |
| 1. | 84. | 57. | 0.50 |
| 1. | 84. | 56. | 0.50 |
| 1. | 84. | 55. | 0.50 |
| 1. | 85. | 55. | 0.50 |
| 1. | 85. | 54. | 0.50 |
| 1. | 85. | 53. | 0.50 |
| 1. | 85. | 52. | 0.50 |
| 1. | 85. | 51. | 0.50 |
| 1. | 86. | 51. | 0.50 |
| 1. | 86. | 50. | 0.50 |
| 1. | 86. | 49. | 0.50 |
| 1. | 86. | 48. | 0.50 |
| 1. | 86. | 47. | 0.50 |
| 1. | 87. | 47. | 0.50 |
| 1. | 87. | 46. | 0.04 |

GROUP NUMBER: 10    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 5  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 17   | no_chdf1         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 83.                  | 36.         | 0.03  |            |                |           |
|      | 1.               | 84.                  | 36.         | 0.51  |            |                |           |
|      | 1.               | 85.                  | 36.         | 0.51  |            |                |           |
|      | 1.               | 86.                  | 36.         | 0.51  |            |                |           |
|      | 1.               | 87.                  | 36.         | 0.48  |            |                |           |

GROUP NUMBER: 11    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 11  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 18   | no_chdf2         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 87.                  | 46.         | 0.46  |            |                |           |
|      | 1.               | 88.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 89.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 90.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 91.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 92.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 93.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 94.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 95.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 96.                  | 46.         | 0.50  |            |                |           |

1. 97. 46. North\_Trend\_May-10.glo  
0.31

GROUP NUMBER: 12 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 42  
NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 19   | no_chdf3         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 1.    | 2.  | 14.    | 0.15   |
| 1.    | 2.  | 15.    | 0.33   |
| 1.    | 2.  | 16.    | 0.50   |
| 1.    | 2.  | 17.    | 0.50   |
| 1.    | 2.  | 18.    | 0.50   |
| 1.    | 2.  | 19.    | 0.50   |
| 1.    | 2.  | 20.    | 0.50   |
| 1.    | 2.  | 21.    | 0.50   |
| 1.    | 2.  | 22.    | 0.50   |
| 1.    | 2.  | 23.    | 0.50   |
| 1.    | 2.  | 24.    | 0.50   |
| 1.    | 2.  | 25.    | 0.50   |
| 1.    | 2.  | 26.    | 0.50   |
| 1.    | 2.  | 27.    | 0.50   |
| 1.    | 2.  | 28.    | 0.50   |
| 1.    | 2.  | 29.    | 0.50   |
| 1.    | 2.  | 30.    | 0.50   |
| 1.    | 2.  | 31.    | 0.50   |
| 1.    | 2.  | 32.    | 0.50   |
| 1.    | 2.  | 33.    | 0.50   |
| 1.    | 2.  | 34.    | 0.50   |
| 1.    | 3.  | 34.    | 0.50   |
| 1.    | 3.  | 35.    | 0.50   |
| 1.    | 3.  | 36.    | 0.50   |
| 1.    | 3.  | 37.    | 0.50   |
| 1.    | 3.  | 38.    | 0.50   |
| 1.    | 3.  | 39.    | 0.50   |
| 1.    | 3.  | 40.    | 0.50   |
| 1.    | 3.  | 41.    | 0.50   |
| 1.    | 3.  | 42.    | 0.50   |
| 1.    | 3.  | 43.    | 0.50   |
| 1.    | 3.  | 44.    | 0.50   |
| 1.    | 3.  | 45.    | 0.50   |
| 1.    | 3.  | 46.    | 0.50   |
| 1.    | 3.  | 47.    | 0.50   |
| 1.    | 3.  | 48.    | 0.50   |
| 1.    | 3.  | 49.    | 0.50   |
| 1.    | 3.  | 50.    | 0.50   |
| 1.    | 3.  | 51.    | 0.50   |
| 1.    | 3.  | 52.    | 0.50   |
| 1.    | 3.  | 53.    | 0.50   |
| 1.    | 3.  | 54.    | 0.03   |

GROUP NUMBER: 13 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 36  
NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 20   | no_chdf4         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |

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| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 1.    | 2.  | 14.    | 0.35   |
| 1.    | 2.  | 15.    | 0.17   |
| 1.    | 3.  | 15.    | 0.50   |
| 1.    | 4.  | 15.    | 0.50   |
| 1.    | 4.  | 16.    | 0.50   |
| 1.    | 5.  | 16.    | 0.50   |
| 1.    | 6.  | 16.    | 0.50   |
| 1.    | 6.  | 17.    | 0.50   |
| 1.    | 7.  | 17.    | 0.50   |
| 1.    | 8.  | 17.    | 0.50   |
| 1.    | 8.  | 18.    | 0.50   |
| 1.    | 9.  | 18.    | 0.50   |
| 1.    | 9.  | 19.    | 0.50   |
| 1.    | 10. | 19.    | 0.50   |
| 1.    | 11. | 19.    | 0.50   |
| 1.    | 11. | 20.    | 0.50   |
| 1.    | 12. | 20.    | 0.50   |
| 1.    | 13. | 20.    | 0.50   |
| 1.    | 13. | 21.    | 0.50   |
| 1.    | 14. | 21.    | 0.50   |
| 1.    | 15. | 21.    | 0.50   |
| 1.    | 15. | 22.    | 0.50   |
| 1.    | 16. | 22.    | 0.50   |
| 1.    | 17. | 22.    | 0.50   |
| 1.    | 17. | 23.    | 0.50   |
| 1.    | 18. | 23.    | 0.50   |
| 1.    | 18. | 24.    | 0.50   |
| 1.    | 19. | 24.    | 0.50   |
| 1.    | 20. | 24.    | 0.50   |
| 1.    | 20. | 25.    | 0.50   |
| 1.    | 21. | 25.    | 0.50   |
| 1.    | 22. | 25.    | 0.50   |
| 1.    | 22. | 26.    | 0.50   |
| 1.    | 23. | 26.    | 0.50   |
| 1.    | 24. | 26.    | 0.50   |
| 1.    | 24. | 27.    | 0.48   |

GROUP NUMBER: 14    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 21  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 21   | no_chdf5         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 1.    | 87. | 36.    | 0.03   |
| 1.    | 88. | 36.    | 0.51   |
| 1.    | 88. | 37.    | 0.51   |
| 1.    | 89. | 37.    | 0.50   |
| 1.    | 89. | 38.    | 0.50   |
| 1.    | 90. | 38.    | 0.50   |
| 1.    | 90. | 39.    | 0.50   |
| 1.    | 91. | 39.    | 0.50   |
| 1.    | 91. | 40.    | 0.50   |
| 1.    | 92. | 40.    | 0.50   |
| 1.    | 92. | 41.    | 0.50   |
| 1.    | 93. | 41.    | 0.50   |
| 1.    | 93. | 42.    | 0.50   |
| 1.    | 94. | 42.    | 0.50   |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 94. | 43. | 0.50 |
| 1. | 95. | 43. | 0.50 |
| 1. | 95. | 44. | 0.50 |
| 1. | 96. | 44. | 0.50 |
| 1. | 96. | 45. | 0.50 |
| 1. | 97. | 45. | 0.50 |
| 1. | 97. | 46. | 0.19 |

GROUP NUMBER: 15    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 49  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW |            | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|------------------------|------------|----------------|-----------|
|      |                  |                      |             | GAIN (-) OR LOSS (+)   | STATISTIC  |                |           |
| 22   | no_chdf6         | 1                    | 0.000       | 1.000                  | 0.1000E+20 | STD. DEV.      | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 1.    | 18. | 74.    | 0.49   |
| 1.    | 19. | 74.    | 0.50   |
| 1.    | 19. | 75.    | 0.50   |
| 1.    | 20. | 75.    | 0.50   |
| 1.    | 21. | 75.    | 0.50   |
| 1.    | 21. | 76.    | 0.50   |
| 1.    | 22. | 76.    | 0.50   |
| 1.    | 22. | 77.    | 0.50   |
| 1.    | 23. | 77.    | 0.50   |
| 1.    | 24. | 77.    | 0.50   |
| 1.    | 24. | 78.    | 0.50   |
| 1.    | 25. | 78.    | 0.50   |
| 1.    | 25. | 79.    | 0.50   |
| 1.    | 26. | 79.    | 0.50   |
| 1.    | 27. | 79.    | 0.50   |
| 1.    | 27. | 80.    | 0.50   |
| 1.    | 28. | 80.    | 0.50   |
| 1.    | 29. | 80.    | 0.50   |
| 1.    | 29. | 81.    | 0.50   |
| 1.    | 30. | 81.    | 0.50   |
| 1.    | 30. | 82.    | 0.50   |
| 1.    | 31. | 82.    | 0.50   |
| 1.    | 32. | 82.    | 0.50   |
| 1.    | 32. | 83.    | 0.50   |
| 1.    | 33. | 83.    | 0.50   |
| 1.    | 33. | 84.    | 0.50   |
| 1.    | 34. | 84.    | 0.50   |
| 1.    | 35. | 84.    | 0.50   |
| 1.    | 35. | 85.    | 0.50   |
| 1.    | 36. | 85.    | 0.50   |
| 1.    | 36. | 86.    | 0.50   |
| 1.    | 37. | 86.    | 0.50   |
| 1.    | 38. | 86.    | 0.50   |
| 1.    | 38. | 87.    | 0.50   |
| 1.    | 39. | 87.    | 0.50   |
| 1.    | 39. | 88.    | 0.50   |
| 1.    | 40. | 88.    | 0.50   |
| 1.    | 41. | 88.    | 0.50   |
| 1.    | 41. | 89.    | 0.50   |
| 1.    | 42. | 89.    | 0.50   |
| 1.    | 42. | 90.    | 0.50   |
| 1.    | 43. | 90.    | 0.50   |
| 1.    | 44. | 90.    | 0.50   |
| 1.    | 44. | 91.    | 0.50   |
| 1.    | 45. | 91.    | 0.50   |

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1. 45. 92. 0.50  
 1. 46. 92. 0.50  
 1. 47. 92. 0.19  
 1. 47. 93. 0.30

GROUP NUMBER: 16 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 28  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 23   | no_chdf7         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 66.                  | 28.         | 0.27  |            |                |           |
|      | 1.               | 66.                  | 29.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 30.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 31.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 32.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 33.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 34.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 35.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 66.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 67.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 68.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 69.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 70.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 71.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 72.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 72.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 73.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 74.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 75.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 76.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 77.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 78.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 79.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 80.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 81.                  | 36.         | 0.50  |            |                |           |
|      | 1.               | 82.                  | 36.         | 0.51  |            |                |           |
|      | 1.               | 83.                  | 36.         | 0.47  |            |                |           |

GROUP NUMBER: 17 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 48  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 24   | no_chdf8         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 24.                  | 27.         | 0.02  |            |                |           |
|      | 1.               | 25.                  | 27.         | 0.50  |            |                |           |
|      | 1.               | 26.                  | 27.         | 0.50  |            |                |           |
|      | 1.               | 26.                  | 28.         | 0.50  |            |                |           |
|      | 1.               | 27.                  | 28.         | 0.50  |            |                |           |
|      | 1.               | 27.                  | 29.         | 0.50  |            |                |           |
|      | 1.               | 28.                  | 29.         | 0.50  |            |                |           |
|      | 1.               | 29.                  | 29.         | 0.50  |            |                |           |
|      | 1.               | 29.                  | 30.         | 0.50  |            |                |           |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 30. | 30. | 0.50 |
| 1. | 31. | 30. | 0.50 |
| 1. | 32. | 30. | 0.50 |
| 1. | 33. | 30. | 0.50 |
| 1. | 34. | 30. | 0.50 |
| 1. | 35. | 30. | 0.50 |
| 1. | 36. | 30. | 0.50 |
| 1. | 37. | 30. | 0.50 |
| 1. | 38. | 30. | 0.50 |
| 1. | 39. | 30. | 0.50 |
| 1. | 40. | 30. | 0.50 |
| 1. | 41. | 30. | 0.50 |
| 1. | 42. | 30. | 0.50 |
| 1. | 43. | 30. | 0.50 |
| 1. | 44. | 30. | 0.50 |
| 1. | 45. | 30. | 0.50 |
| 1. | 45. | 29. | 0.50 |
| 1. | 46. | 29. | 0.50 |
| 1. | 47. | 29. | 0.50 |
| 1. | 48. | 29. | 0.50 |
| 1. | 49. | 29. | 0.50 |
| 1. | 50. | 29. | 0.50 |
| 1. | 51. | 29. | 0.50 |
| 1. | 52. | 29. | 0.50 |
| 1. | 53. | 29. | 0.50 |
| 1. | 54. | 29. | 0.50 |
| 1. | 55. | 29. | 0.50 |
| 1. | 56. | 29. | 0.50 |
| 1. | 57. | 29. | 0.50 |
| 1. | 58. | 29. | 0.50 |
| 1. | 59. | 29. | 0.50 |
| 1. | 60. | 29. | 0.50 |
| 1. | 61. | 29. | 0.50 |
| 1. | 61. | 28. | 0.50 |
| 1. | 62. | 28. | 0.50 |
| 1. | 63. | 28. | 0.50 |
| 1. | 64. | 28. | 0.50 |
| 1. | 65. | 28. | 0.50 |
| 1. | 66. | 28. | 0.23 |

GROUP NUMBER: 18    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 38  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 25   | no_chdf9         | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 3.                   | 54.         | 0.47  |            |                |           |
|      | 1.               | 3.                   | 55.         | 0.50  |            |                |           |
|      | 1.               | 3.                   | 56.         | 0.50  |            |                |           |
|      | 1.               | 3.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 4.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 5.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 6.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 7.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 8.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 9.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 10.                  | 57.         | 0.50  |            |                |           |
|      | 1.               | 11.                  | 57.         | 0.50  |            |                |           |
|      | 1.               | 12.                  | 57.         | 0.50  |            |                |           |



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|    |     |     |      |
|----|-----|-----|------|
| 1. | 13. | 57. | 0.50 |
| 1. | 13. | 56. | 0.50 |
| 1. | 14. | 56. | 0.50 |
| 1. | 15. | 56. | 0.50 |
| 1. | 16. | 56. | 0.50 |
| 1. | 17. | 56. | 0.50 |
| 1. | 17. | 57. | 0.50 |
| 1. | 17. | 58. | 0.50 |
| 1. | 17. | 59. | 0.50 |
| 1. | 17. | 60. | 0.50 |
| 1. | 17. | 61. | 0.50 |
| 1. | 17. | 62. | 0.50 |
| 1. | 17. | 63. | 0.50 |
| 1. | 17. | 64. | 0.50 |
| 1. | 17. | 65. | 0.50 |
| 1. | 17. | 66. | 0.50 |
| 1. | 17. | 67. | 0.50 |
| 1. | 18. | 67. | 0.50 |
| 1. | 18. | 68. | 0.50 |
| 1. | 18. | 69. | 0.50 |
| 1. | 18. | 70. | 0.50 |
| 1. | 18. | 71. | 0.50 |
| 1. | 18. | 72. | 0.50 |
| 1. | 18. | 73. | 0.50 |
| 1. | 18. | 74. | 0.01 |

GROUP NUMBER: 19    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 98  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 26   | no_chdf10        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 1.    | 47. | 93.    | 0.20   |
| 1.    | 47. | 92.    | 0.31   |
| 1.    | 48. | 92.    | 0.50   |
| 1.    | 48. | 91.    | 0.50   |
| 1.    | 48. | 90.    | 0.50   |
| 1.    | 49. | 90.    | 0.50   |
| 1.    | 49. | 89.    | 0.50   |
| 1.    | 50. | 89.    | 0.50   |
| 1.    | 50. | 88.    | 0.50   |
| 1.    | 51. | 88.    | 0.50   |
| 1.    | 51. | 87.    | 0.50   |
| 1.    | 51. | 86.    | 0.50   |
| 1.    | 52. | 86.    | 0.50   |
| 1.    | 52. | 85.    | 0.50   |
| 1.    | 53. | 85.    | 0.50   |
| 1.    | 53. | 84.    | 0.50   |
| 1.    | 53. | 83.    | 0.50   |
| 1.    | 54. | 83.    | 0.50   |
| 1.    | 54. | 82.    | 0.50   |
| 1.    | 55. | 82.    | 0.50   |
| 1.    | 55. | 81.    | 0.50   |
| 1.    | 56. | 81.    | 0.50   |
| 1.    | 57. | 81.    | 0.50   |
| 1.    | 58. | 81.    | 0.50   |
| 1.    | 59. | 81.    | 0.50   |
| 1.    | 60. | 81.    | 0.50   |
| 1.    | 61. | 81.    | 0.50   |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 62. | 81. | 0.50 |
| 1. | 63. | 81. | 0.50 |
| 1. | 64. | 81. | 0.50 |
| 1. | 65. | 81. | 0.50 |
| 1. | 66. | 81. | 0.50 |
| 1. | 67. | 81. | 0.50 |
| 1. | 68. | 81. | 0.50 |
| 1. | 69. | 81. | 0.50 |
| 1. | 70. | 81. | 0.50 |
| 1. | 70. | 80. | 0.50 |
| 1. | 71. | 80. | 0.50 |
| 1. | 72. | 80. | 0.50 |
| 1. | 73. | 80. | 0.50 |
| 1. | 73. | 79. | 0.50 |
| 1. | 73. | 78. | 0.50 |
| 1. | 74. | 78. | 0.50 |
| 1. | 74. | 77. | 0.50 |
| 1. | 74. | 76. | 0.50 |
| 1. | 74. | 75. | 0.50 |
| 1. | 75. | 75. | 0.50 |
| 1. | 75. | 74. | 0.50 |
| 1. | 75. | 73. | 0.50 |
| 1. | 76. | 73. | 0.50 |
| 1. | 76. | 72. | 0.50 |
| 1. | 76. | 71. | 0.50 |
| 1. | 77. | 71. | 0.50 |
| 1. | 77. | 70. | 0.50 |
| 1. | 77. | 69. | 0.50 |
| 1. | 77. | 68. | 0.50 |
| 1. | 77. | 67. | 0.50 |
| 1. | 76. | 67. | 0.50 |
| 1. | 76. | 66. | 0.50 |
| 1. | 75. | 66. | 0.50 |
| 1. | 75. | 65. | 0.50 |
| 1. | 74. | 65. | 0.50 |
| 1. | 73. | 65. | 0.50 |
| 1. | 73. | 64. | 0.50 |
| 1. | 72. | 64. | 0.50 |
| 1. | 72. | 63. | 0.50 |
| 1. | 72. | 62. | 0.50 |
| 1. | 73. | 62. | 0.50 |
| 1. | 73. | 61. | 0.50 |
| 1. | 74. | 61. | 0.50 |
| 1. | 75. | 61. | 0.50 |
| 1. | 76. | 61. | 0.50 |
| 1. | 76. | 60. | 0.50 |
| 1. | 77. | 60. | 0.50 |
| 1. | 78. | 60. | 0.50 |
| 1. | 78. | 59. | 0.50 |
| 1. | 79. | 59. | 0.50 |
| 1. | 80. | 59. | 0.50 |
| 1. | 81. | 59. | 0.50 |
| 1. | 81. | 58. | 0.50 |
| 1. | 82. | 58. | 0.50 |
| 1. | 83. | 58. | 0.50 |
| 1. | 83. | 57. | 0.50 |
| 1. | 84. | 57. | 0.50 |
| 1. | 84. | 56. | 0.50 |
| 1. | 84. | 55. | 0.50 |
| 1. | 85. | 55. | 0.50 |
| 1. | 85. | 54. | 0.50 |
| 1. | 85. | 53. | 0.50 |
| 1. | 85. | 52. | 0.50 |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 85. | 51. | 0.50 |
| 1. | 86. | 51. | 0.50 |
| 1. | 86. | 50. | 0.50 |
| 1. | 86. | 49. | 0.50 |
| 1. | 86. | 48. | 0.50 |
| 1. | 86. | 47. | 0.50 |
| 1. | 87. | 47. | 0.50 |
| 1. | 87. | 46. | 0.04 |

GROUP NUMBER: 20 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 5  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 27   | no_chdf11        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 83.                  | 36.         | 0.03  |            |                |           |
|      | 1.               | 84.                  | 36.         | 0.49  |            |                |           |
|      | 1.               | 85.                  | 36.         | 0.49  |            |                |           |
|      | 1.               | 86.                  | 36.         | 0.49  |            |                |           |
|      | 1.               | 87.                  | 36.         | 0.47  |            |                |           |

GROUP NUMBER: 21 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 11  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 28   | no_chdf12        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 87.                  | 46.         | 0.45  |            |                |           |
|      | 1.               | 88.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 89.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 90.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 91.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 92.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 93.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 94.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 95.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 96.                  | 46.         | 0.50  |            |                |           |
|      | 1.               | 97.                  | 46.         | 0.31  |            |                |           |

GROUP NUMBER: 22 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 42  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 29   | no_chdf13        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 2.                   | 14.         | 0.15  |            |                |           |
|      | 1.               | 2.                   | 15.         | 0.33  |            |                |           |
|      | 1.               | 2.                   | 16.         | 0.50  |            |                |           |
|      | 1.               | 2.                   | 17.         | 0.50  |            |                |           |
|      | 1.               | 2.                   | 18.         | 0.50  |            |                |           |
|      | 1.               | 2.                   | 19.         | 0.50  |            |                |           |

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|    |    |     |      |
|----|----|-----|------|
| 1. | 2. | 20. | 0.50 |
| 1. | 2. | 21. | 0.50 |
| 1. | 2. | 22. | 0.50 |
| 1. | 2. | 23. | 0.50 |
| 1. | 2. | 24. | 0.50 |
| 1. | 2. | 25. | 0.50 |
| 1. | 2. | 26. | 0.50 |
| 1. | 2. | 27. | 0.50 |
| 1. | 2. | 28. | 0.50 |
| 1. | 2. | 29. | 0.50 |
| 1. | 2. | 30. | 0.50 |
| 1. | 2. | 31. | 0.50 |
| 1. | 2. | 32. | 0.50 |
| 1. | 2. | 33. | 0.50 |
| 1. | 2. | 34. | 0.50 |
| 1. | 3. | 34. | 0.50 |
| 1. | 3. | 35. | 0.50 |
| 1. | 3. | 36. | 0.50 |
| 1. | 3. | 37. | 0.50 |
| 1. | 3. | 38. | 0.50 |
| 1. | 3. | 39. | 0.50 |
| 1. | 3. | 40. | 0.50 |
| 1. | 3. | 41. | 0.50 |
| 1. | 3. | 42. | 0.50 |
| 1. | 3. | 43. | 0.50 |
| 1. | 3. | 44. | 0.50 |
| 1. | 3. | 45. | 0.50 |
| 1. | 3. | 46. | 0.50 |
| 1. | 3. | 47. | 0.50 |
| 1. | 3. | 48. | 0.50 |
| 1. | 3. | 49. | 0.50 |
| 1. | 3. | 50. | 0.50 |
| 1. | 3. | 51. | 0.50 |
| 1. | 3. | 52. | 0.50 |
| 1. | 3. | 53. | 0.50 |
| 1. | 3. | 54. | 0.03 |

GROUP NUMBER: 23    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 36  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS#  | OBSERVATION NAME | REFER. PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW |            | STATISTIC TYPE | PLOT SYM. |
|-------|------------------|---------------|-------------|------------------------|------------|----------------|-----------|
|       |                  |               |             | GAIN (-) OR LOSS (+)   | STATISTIC  |                |           |
| 30    | no_chdf14        | 1             | 0.000       | 1.000                  | 0.1000E+20 | STD. DEV.      | 1         |
| LAYER | ROW              | COLUMN        | FACTOR      |                        |            |                |           |
| 1.    | 2.               | 14.           | 0.35        |                        |            |                |           |
| 1.    | 2.               | 15.           | 0.17        |                        |            |                |           |
| 1.    | 3.               | 15.           | 0.50        |                        |            |                |           |
| 1.    | 4.               | 15.           | 0.50        |                        |            |                |           |
| 1.    | 4.               | 16.           | 0.50        |                        |            |                |           |
| 1.    | 5.               | 16.           | 0.50        |                        |            |                |           |
| 1.    | 6.               | 16.           | 0.50        |                        |            |                |           |
| 1.    | 6.               | 17.           | 0.50        |                        |            |                |           |
| 1.    | 7.               | 17.           | 0.50        |                        |            |                |           |
| 1.    | 8.               | 17.           | 0.50        |                        |            |                |           |
| 1.    | 8.               | 18.           | 0.50        |                        |            |                |           |
| 1.    | 9.               | 18.           | 0.50        |                        |            |                |           |
| 1.    | 9.               | 19.           | 0.50        |                        |            |                |           |
| 1.    | 10.              | 19.           | 0.50        |                        |            |                |           |
| 1.    | 11.              | 19.           | 0.50        |                        |            |                |           |
| 1.    | 11.              | 20.           | 0.50        |                        |            |                |           |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 12. | 20. | 0.50 |
| 1. | 13. | 20. | 0.50 |
| 1. | 13. | 21. | 0.50 |
| 1. | 14. | 21. | 0.50 |
| 1. | 15. | 21. | 0.50 |
| 1. | 15. | 22. | 0.50 |
| 1. | 16. | 22. | 0.50 |
| 1. | 17. | 22. | 0.50 |
| 1. | 17. | 23. | 0.50 |
| 1. | 18. | 23. | 0.50 |
| 1. | 18. | 24. | 0.50 |
| 1. | 19. | 24. | 0.50 |
| 1. | 20. | 24. | 0.50 |
| 1. | 20. | 25. | 0.50 |
| 1. | 21. | 25. | 0.50 |
| 1. | 22. | 25. | 0.50 |
| 1. | 22. | 26. | 0.50 |
| 1. | 23. | 26. | 0.50 |
| 1. | 24. | 26. | 0.50 |
| 1. | 24. | 27. | 0.48 |

GROUP NUMBER: 24    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 21  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 31   | no_chdf15        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 87.                  | 36.         | 0.03  |            |                |           |
|      | 1.               | 88.                  | 36.         | 0.49  |            |                |           |
|      | 1.               | 88.                  | 37.         | 0.49  |            |                |           |
|      | 1.               | 89.                  | 37.         | 0.50  |            |                |           |
|      | 1.               | 89.                  | 38.         | 0.50  |            |                |           |
|      | 1.               | 90.                  | 38.         | 0.50  |            |                |           |
|      | 1.               | 90.                  | 39.         | 0.50  |            |                |           |
|      | 1.               | 91.                  | 39.         | 0.50  |            |                |           |
|      | 1.               | 91.                  | 40.         | 0.50  |            |                |           |
|      | 1.               | 92.                  | 40.         | 0.50  |            |                |           |
|      | 1.               | 92.                  | 41.         | 0.50  |            |                |           |
|      | 1.               | 93.                  | 41.         | 0.50  |            |                |           |
|      | 1.               | 93.                  | 42.         | 0.50  |            |                |           |
|      | 1.               | 94.                  | 42.         | 0.50  |            |                |           |
|      | 1.               | 94.                  | 43.         | 0.50  |            |                |           |
|      | 1.               | 95.                  | 43.         | 0.50  |            |                |           |
|      | 1.               | 95.                  | 44.         | 0.50  |            |                |           |
|      | 1.               | 96.                  | 44.         | 0.50  |            |                |           |
|      | 1.               | 96.                  | 45.         | 0.50  |            |                |           |
|      | 1.               | 97.                  | 45.         | 0.50  |            |                |           |
|      | 1.               | 97.                  | 46.         | 0.19  |            |                |           |

GROUP NUMBER: 25    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 49  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 32   | no_chdf16        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 18. | 74. | 0.49 |
| 1. | 19. | 74. | 0.50 |
| 1. | 19. | 75. | 0.50 |
| 1. | 20. | 75. | 0.50 |
| 1. | 21. | 75. | 0.50 |
| 1. | 21. | 76. | 0.50 |
| 1. | 22. | 76. | 0.50 |
| 1. | 22. | 77. | 0.50 |
| 1. | 23. | 77. | 0.50 |
| 1. | 24. | 77. | 0.50 |
| 1. | 24. | 78. | 0.50 |
| 1. | 25. | 78. | 0.50 |
| 1. | 25. | 79. | 0.50 |
| 1. | 26. | 79. | 0.50 |
| 1. | 27. | 79. | 0.50 |
| 1. | 27. | 80. | 0.50 |
| 1. | 28. | 80. | 0.50 |
| 1. | 29. | 80. | 0.50 |
| 1. | 29. | 81. | 0.50 |
| 1. | 30. | 81. | 0.50 |
| 1. | 30. | 82. | 0.50 |
| 1. | 31. | 82. | 0.50 |
| 1. | 32. | 82. | 0.50 |
| 1. | 32. | 83. | 0.50 |
| 1. | 33. | 83. | 0.50 |
| 1. | 33. | 84. | 0.50 |
| 1. | 34. | 84. | 0.50 |
| 1. | 35. | 84. | 0.50 |
| 1. | 35. | 85. | 0.50 |
| 1. | 36. | 85. | 0.50 |
| 1. | 36. | 86. | 0.50 |
| 1. | 37. | 86. | 0.50 |
| 1. | 38. | 86. | 0.50 |
| 1. | 38. | 87. | 0.50 |
| 1. | 39. | 87. | 0.50 |
| 1. | 39. | 88. | 0.50 |
| 1. | 40. | 88. | 0.50 |
| 1. | 41. | 88. | 0.50 |
| 1. | 41. | 89. | 0.50 |
| 1. | 42. | 89. | 0.50 |
| 1. | 42. | 90. | 0.50 |
| 1. | 43. | 90. | 0.50 |
| 1. | 44. | 90. | 0.50 |
| 1. | 44. | 91. | 0.50 |
| 1. | 45. | 91. | 0.50 |
| 1. | 45. | 92. | 0.50 |
| 1. | 46. | 92. | 0.50 |
| 1. | 47. | 92. | 0.19 |
| 1. | 47. | 93. | 0.31 |

GROUP NUMBER: 26    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 28  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW |            | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|------------------------|------------|----------------|-----------|
|      |                  |                      |             | GAIN (-) OR LOSS (+)   | STATISTIC  |                |           |
| 33   | no_chdf17        | 1                    | 0.000       | 1.000                  | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                 |            |                |           |
|      | 1.               | 66.                  | 28.         | 0.27                   |            |                |           |
|      | 1.               | 66.                  | 29.         | 0.50                   |            |                |           |
|      | 1.               | 66.                  | 30.         | 0.50                   |            |                |           |

North\_Trend\_May-10.glo

|    |     |     |      |
|----|-----|-----|------|
| 1. | 66. | 31. | 0.50 |
| 1. | 66. | 32. | 0.50 |
| 1. | 66. | 33. | 0.50 |
| 1. | 66. | 34. | 0.50 |
| 1. | 66. | 35. | 0.50 |
| 1. | 66. | 36. | 0.50 |
| 1. | 66. | 37. | 0.50 |
| 1. | 67. | 37. | 0.50 |
| 1. | 68. | 37. | 0.50 |
| 1. | 69. | 37. | 0.50 |
| 1. | 70. | 37. | 0.50 |
| 1. | 71. | 37. | 0.50 |
| 1. | 72. | 37. | 0.50 |
| 1. | 72. | 36. | 0.50 |
| 1. | 73. | 36. | 0.50 |
| 1. | 74. | 36. | 0.50 |
| 1. | 75. | 36. | 0.50 |
| 1. | 76. | 36. | 0.50 |
| 1. | 77. | 36. | 0.50 |
| 1. | 78. | 36. | 0.50 |
| 1. | 79. | 36. | 0.50 |
| 1. | 80. | 36. | 0.50 |
| 1. | 81. | 36. | 0.50 |
| 1. | 82. | 36. | 0.49 |
| 1. | 83. | 36. | 0.46 |

GROUP NUMBER: 27    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 48  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 34   | no_chdf18        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |

| LAYER | ROW | COLUMN | FACTOR |
|-------|-----|--------|--------|
| 1.    | 24. | 27.    | 0.02   |
| 1.    | 25. | 27.    | 0.50   |
| 1.    | 26. | 27.    | 0.50   |
| 1.    | 26. | 28.    | 0.50   |
| 1.    | 27. | 28.    | 0.50   |
| 1.    | 27. | 29.    | 0.50   |
| 1.    | 28. | 29.    | 0.50   |
| 1.    | 29. | 29.    | 0.50   |
| 1.    | 29. | 30.    | 0.50   |
| 1.    | 30. | 30.    | 0.50   |
| 1.    | 31. | 30.    | 0.50   |
| 1.    | 32. | 30.    | 0.50   |
| 1.    | 33. | 30.    | 0.50   |
| 1.    | 34. | 30.    | 0.50   |
| 1.    | 35. | 30.    | 0.50   |
| 1.    | 36. | 30.    | 0.50   |
| 1.    | 37. | 30.    | 0.50   |
| 1.    | 38. | 30.    | 0.50   |
| 1.    | 39. | 30.    | 0.50   |
| 1.    | 40. | 30.    | 0.50   |
| 1.    | 41. | 30.    | 0.50   |
| 1.    | 42. | 30.    | 0.50   |
| 1.    | 43. | 30.    | 0.50   |
| 1.    | 44. | 30.    | 0.50   |
| 1.    | 45. | 30.    | 0.50   |
| 1.    | 45. | 29.    | 0.50   |
| 1.    | 46. | 29.    | 0.50   |

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|    |     |     |      |
|----|-----|-----|------|
| 1. | 47. | 29. | 0.50 |
| 1. | 48. | 29. | 0.50 |
| 1. | 49. | 29. | 0.50 |
| 1. | 50. | 29. | 0.50 |
| 1. | 51. | 29. | 0.50 |
| 1. | 52. | 29. | 0.50 |
| 1. | 53. | 29. | 0.50 |
| 1. | 54. | 29. | 0.50 |
| 1. | 55. | 29. | 0.50 |
| 1. | 56. | 29. | 0.50 |
| 1. | 57. | 29. | 0.50 |
| 1. | 58. | 29. | 0.50 |
| 1. | 59. | 29. | 0.50 |
| 1. | 60. | 29. | 0.50 |
| 1. | 61. | 29. | 0.50 |
| 1. | 61. | 28. | 0.50 |
| 1. | 62. | 28. | 0.50 |
| 1. | 63. | 28. | 0.50 |
| 1. | 64. | 28. | 0.50 |
| 1. | 65. | 28. | 0.50 |
| 1. | 66. | 28. | 0.23 |

GROUP NUMBER: 28    BOUNDARY TYPE: CHD    NUMBER OF CELLS IN GROUP: 38  
 NUMBER OF FLOW OBSERVATIONS: 1

| OBS# | OBSERVATION NAME | REFER. STRESS PERIOD | TIME OFFSET | OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+) | STATISTIC  | STATISTIC TYPE | PLOT SYM. |
|------|------------------|----------------------|-------------|---|------------|----------------|-----------|
| 35   | no_chdf19        | 1                    | 0.000       | 1.000                                       | 0.1000E+20 | STD. DEV.      | 1         |
|      | LAYER            | ROW                  | COLUMN      | FACTOR                                      |            |                |           |
|      | 1.               | 3.                   | 54.         | 0.47  |            |                |           |
|      | 1.               | 3.                   | 55.         | 0.50  |            |                |           |
|      | 1.               | 3.                   | 56.         | 0.50  |            |                |           |
|      | 1.               | 3.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 4.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 5.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 6.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 7.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 8.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 9.                   | 57.         | 0.50  |            |                |           |
|      | 1.               | 10.                  | 57.         | 0.50  |            |                |           |
|      | 1.               | 11.                  | 57.         | 0.50  |            |                |           |
|      | 1.               | 12.                  | 57.         | 0.50  |            |                |           |
|      | 1.               | 13.                  | 57.         | 0.50  |            |                |           |
|      | 1.               | 13.                  | 56.         | 0.50  |            |                |           |
|      | 1.               | 14.                  | 56.         | 0.50  |            |                |           |
|      | 1.               | 15.                  | 56.         | 0.50  |            |                |           |
|      | 1.               | 16.                  | 56.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 56.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 57.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 58.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 59.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 60.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 61.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 62.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 63.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 64.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 65.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 66.         | 0.50  |            |                |           |
|      | 1.               | 17.                  | 67.         | 0.50  |            |                |           |
|      | 1.               | 18.                  | 67.         | 0.50  |            |                |           |



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|    |     |     |      |
|----|-----|-----|------|
| 1. | 18. | 68. | 0.50 |
| 1. | 18. | 69. | 0.50 |
| 1. | 18. | 70. | 0.50 |
| 1. | 18. | 71. | 0.50 |
| 1. | 18. | 72. | 0.50 |
| 1. | 18. | 73. | 0.50 |
| 1. | 18. | 74. | 0.01 |

SOLUTION BY THE CONJUGATE-GRADIENT METHOD

```

-----
MAXIMUM NUMBER OF CALLS TO PCG ROUTINE =      25
  MAXIMUM ITERATIONS PER CALL TO PCG =      50
    MATRIX PRECONDITIONING TYPE =          1
RELAXATION FACTOR (ONLY USED WITH PRECOND. TYPE 1) = 0.10000E+01
PARAMETER OF POLYNOMIAL PRECOND. = 2 (2) OR IS CALCULATED :      0
  HEAD CHANGE CRITERION FOR CLOSURE = 0.10000E+00
  RESIDUAL CHANGE CRITERION FOR CLOSURE = 0.10000E+00
  PCG HEAD AND RESIDUAL CHANGE PRINTOUT INTERVAL =      999
PRINTING FROM SOLVER IS LIMITED(1) OR SUPPRESSED (>1) =      2
  DAMPING PARAMETER = 0.10000E+01
  
```

WETTING CAPABILITY IS ACTIVE IN 1 LAYERS  
 WETTING FACTOR= 10.00000  
 WETTING ITERATION INTERVAL= 10  
 IHDWET= 0

0 well parameters

0 Drain parameters

0 Evapotranspiration parameters

0 GHB parameters

0 Recharge parameters

0 TIME-VARIANT SPECIFIED-HEAD PARAMETERS

3 PARAMETERS HAVE BEEN DEFINED IN ALL PACKAGES.  
 (SPACE IS ALLOCATED FOR 999 PARAMETERS.)

SMALLEST AND LARGEST WEIGHTED RESIDUALS

| SMALLEST WEIGHTED RESIDUALS |                   |                     | LARGEST WEIGHTED RESIDUALS |                   |                     |
|-----------------------------|-------------------|---------------------|----------------------------|-------------------|---------------------|
| NAME                        | WEIGHTED RESIDUAL | PERCENT OF OBJ FUNC | NAME                       | WEIGHTED RESIDUAL | PERCENT OF OBJ FUNC |
| hed1                        | -3.76             | 51.38               | hed5                       | 2.18              | 17.38               |
| hed2                        | -1.72             | 10.74               | hed7                       | 1.95              | 13.78               |
| hed6                        | -1.28             | 5.99                | no_chdf10                  | 0.135E-13         | 0.00                |
| hed3                        | -0.405            | 0.60                | no_chdf0                   | 0.135E-13         | 0.00                |
| hed4                        | -0.198            | 0.14                | no_chdf16                  | 0.111E-13         | 0.00                |

STATISTICS FOR ALL RESIDUALS :  
 AVERAGE WEIGHTED RESIDUAL :-0.923E-01  
 # RESIDUALS >= 0. : 25

North\_Trend\_May-10.glo

# RESIDUALS < 0. : 10  
NUMBER OF RUNS : 6 IN 35 OBSERVATIONS

INTERPRETING THE CALCULATED RUNS STATISTIC VALUE OF -3.72  
NOTE: THE FOLLOWING APPLIES ONLY IF

# RESIDUALS  $\geq 0$  . 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.

CORRELATION BETWEEN ORDERED WEIGHTED RESIDUALS AND NORMAL ORDER STATISTICS  
FOR OBSERVATIONS = 0.524

-----  
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 0.943

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 0.952  
-----

North\_Trend\_May-10.hob

```
# CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5774, 221327.2, 326728.0 ts_0
hed1
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5775, 219776.0, 326790.0 ts_0
hed2
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5776, 220131.0, 325400.6 ts_0
hed3
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5777, 220779.0, 324851.0 ts_0
hed4
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5778, 219770.0, 325299.0 ts_0
hed5
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5779, 220383.0, 323927.0 ts_0
hed6
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5780, 220522.0, 325981.0 ts_0
hed7
7 0 6
1.0 1.0
hed1 5 32 73 1 0.0 0.1347586289295 -0.49533529968 3689.73 1.530640358798 1 1
hed2 5 31 40 1 0.0 0.047185929761 -0.250173221704 3698.05 1.530640358798 1 1
hed3 5 55 47 1 0.0 0.4193392881939 0.2459378293005 3696.72 1.530640358798 1 1
hed4 5 65 61 1 0.0 0.060145021455 -0.071020026894 3700.85 1.530640358798 1 1
hed5 5 57 40 1 0.0 0.2015551952144 -0.376868056369 3706.41 1.530640358798 1 1
hed6 5 81 53 1 0.0 0.2684865380731 -0.432879114776 3702.56 1.530640358798 1 1
hed7 5 45 56 1 0.0 0.238255504378 -0.497782111706 3604.85 1.530640358798 1 1
```

North\_Trend\_May-10.1mt

# MF2K-MT3DMS LINKER FILE

#

OUTPUT\_FILE\_NAME "North\_Trend\_May-10.hff"

OUTPUT\_FILE\_UNIT

OUTPUT\_FILE\_HEADER standard

OUTPUT\_FILE\_FORMAT unformatted

North\_Trend\_May-10.lpf

```
40 -888.0 0 0
1 0 0 0 0 0
0 0 0 0 0 0
-1.0 -1.0 -1.0 -1.0 -1.0 -1.0
1 1 1 1 1 1
1 0 0 0 0 0
10.0 10 0
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HK1" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HANI1" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/VANI1" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/WET1" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HK2" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HANI2" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/VANI2" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HK3" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HANI3" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/VANI3" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HK4" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HANI4" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/VANI4" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HK5" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HANI5" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/VANI5" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HK6" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/HANI6" 1 0 10000
HDF5 1.0 -1 "North_Trend_May-10.h5" "Arrays/VANI6" 1 0 10000
```

North\_Trend\_May-10.mfn

```
# MF2K NAME file
#
# Output Files
GLOBAL      1 "North_Trend_May-10.glo"
LIST        2 "North_Trend_May-10.out"
DATA(BINARY) 30 "North_Trend_May-10.hed"
DATA(BINARY) 40 "North_Trend_May-10.ccf"
LMT6        18 "North_Trend_May-10.lmt"
#
# Obs-Sen-Pes Process Input Files
OBS         50 "North_Trend_May-10.obs"
HOB         51 "North_Trend_May-10.hob"
GBOB        53 "North_Trend_May-10.gbob"
DROB        54 "North_Trend_May-10.drob"
CHOB        55 "North_Trend_May-10.chob"
SEN         57 "North_Trend_May-10.snn"
PES         58 "North_Trend_May-10.pes"
ASP         71 "North_Trend_May-10.asp"
#
# Global Input Files
DIS         19 "North_Trend_May-10.dis"
#
# Flow Process Input Files
BAS6        3 "North_Trend_May-10.ba6"
LPF         4 "North_Trend_May-10.lpf"
OC          15 "North_Trend_May-10.oc"
RCH         16 "North_Trend_May-10.rch"
WEL         9 "North_Trend_May-10.wel"
DRN         10 "North_Trend_May-10.drn"
GHB         11 "North_Trend_May-10.ghb"
EVT         12 "North_Trend_May-10.evt"
CHD         13 "North_Trend_May-10.chd"
PCG         14 "North_Trend_May-10.pcg"
```

North\_Trend\_May-10 3

North\_Trend\_May-10.obs

North\_Trend\_May-10.oc

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



North\_Trend\_May-10.out  
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.

```
#NT-1
#12 December 2007
THE FREE FORMAT OPTION HAS BEEN SELECTED
  6 LAYERS      100 ROWS      100 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

DRN6 -- DRAIN PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT   10
#GMS_HDF5_01
No named parameters
MAXIMUM OF     63 ACTIVE DRAINS AT ONE TIME
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT    40
AUXILIARY DRAIN VARIABLE: IFACE
AUXILIARY DRAIN VARIABLE: CONDFACT
AUXILIARY DRAIN VARIABLE: CELLGRP
     504 ELEMENTS IN RX ARRAY ARE USED BY DRN

EVT6 -- EVAPOTRANSPIRATION PACKAGE, VERSION 6, 12/14/2000
      INPUT READ FROM UNIT    12
#GMS_HDF5_01
No named parameters
OPTION 1 -- EVAPOTRANSPIRATION FROM TOP LAYER
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT    40
     3000 ELEMENTS IN RX ARRAY ARE USED BY EVT
     10000 ELEMENTS IN IR ARRAY ARE USED BY EVT

GHB6 -- GHB PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT   11
#GMS_HDF5_01
No named parameters
MAXIMUM OF     371 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
     2968 ELEMENTS IN RX ARRAY ARE USED BY GHB

RCH6 -- RECHARGE PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT  16
#GMS_HDF5_01
No named parameters
OPTION 3 -- RECHARGE TO HIGHEST ACTIVE NODE IN EACH VERTICAL COLUMN
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT    40
     10000 ELEMENTS IN RX ARRAY ARE USED BY RCH
     10000 ELEMENTS IN IR ARRAY ARE USED BY RCH
```



North\_Trend\_May-10.out

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 | 1 | 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 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 1  | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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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 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |

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|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

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|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
|    | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |
|----|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 36 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 |







North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 0 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 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 | 0 |
| 0  | 0 | 0 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 0  | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 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 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 1 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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```
0 0 0 0 0 0 0
59 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
0 0 0 0 0 0 0
0 0 0 0 0 0 0
60 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
0 0 0 0 0 0 0
0 0 0 0 0 0 0
61 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
0 0 0 0 0 0 0
0 0 0 0 0 0 0
62 0 0 0 0 0 0
```

North\_Trend\_May-10.out

|         |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 1 | 1 | 1 | 1 | 0 | 0 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 63<br>0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 64<br>0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 65<br>0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 0  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 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 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |



North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 72 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 73 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 74 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 81 | 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 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 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 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 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 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 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 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | 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 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 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 | 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 | 0 | 0 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 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 |
| 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 | 0 | 0 |
| 87 | 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 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 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 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 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 0 | 0 0 | 0 0 | 0 0 |
| 91 | 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  | 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  | 0 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 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 |
| 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 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 92 | 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  | 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  | 0 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 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 |
| 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 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 93 | 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  | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 0  | 0 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 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 | 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 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 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 | 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 | 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 |
| 99 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

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|     |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|
| 0   | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 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 | 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 | 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 | 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 |

|    |    |    |     |    |    |    |
|----|----|----|-----|----|----|----|
| 7  | 1  | 2  | 3   | 4  | 5  | 6  |
| 8  |    |    | 10  |    |    |    |
| 11 |    |    | 13  |    |    |    |
| 17 | 18 | 19 | 20  | 14 | 15 | 16 |
| 21 |    |    | 23  |    |    |    |
| 27 | 28 | 29 | 30  | 24 | 25 | 26 |
| 31 |    |    | 33  |    |    |    |
| 37 | 38 | 39 | 40  | 34 | 35 | 36 |
| 41 |    |    | 43  |    |    |    |
| 47 | 48 | 49 | 50  | 44 | 45 | 46 |
| 51 |    |    | 53  |    |    |    |
| 57 | 58 | 59 | 60  | 54 | 55 | 56 |
| 61 |    |    | 63  |    |    |    |
| 67 | 68 | 69 | 70  | 64 | 65 | 66 |
| 71 |    |    | 73  |    |    |    |
| 77 | 78 | 79 | 80  | 74 | 75 | 76 |
| 81 |    |    | 83  |    |    |    |
| 87 | 88 | 89 | 90  | 84 | 85 | 86 |
| 91 |    |    | 93  |    |    |    |
| 97 | 98 | 99 | 100 | 94 | 95 | 96 |

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|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 | 1 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 9  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| 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 |
| 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 |
| 15 | 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  | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| 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 |
| 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 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 16 | 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  | 0 0 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| 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 |
| 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 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 17 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 1  | 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 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |







North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |









North\_Trend\_May-10.out

```
0 0 0 0 0 0 0
0 0 0 0 0 0 0
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
0 0 0 0 0 0 0
50 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 0 0 0
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
0 0 0 0 0 0 0
51 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 0 0 0
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
0 0 0 0 0 0 0
52 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 0 0 0
```

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 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 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 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 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |   |   |
|----|-----|-----|-----|-----|---|---|
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1   | 1 | 1 |
| 0  | 1   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 59 | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 0  | 1   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 60 | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 0  | 1   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 61 | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 0   | 0   | 0   | 0   | 0 | 0 |
| 0  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 68 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | 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 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
|    | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 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 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
|    | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 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 | 0 | 0 |
| 81 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 82 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 1 | 1 |
| 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 | 0 | 0 |
| 83 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

```

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 0        0 0        0 0        0 0
0           0 0        0 0        0 0        0 0        0 0        0 0
0           1 1        1 1        1 1        1 1        1 1        1 1
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
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
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
91          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           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           0 1        1 1        1 1        1 1        1 1        1 1
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
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
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
92          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           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           0 1        1 1        1 1        1 1        1 1        1 1
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
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
0           0 0        0 0        0 0        0 0        0 0        0 0
93          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           0 0        0 0        0 0        0 0        0 0        0 0

```

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 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 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 1 | 1 | 1 |
| 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 | 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 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 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 | 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  | 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 | 0 |
| 98 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 |
| 99 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|     |    |    |     |    |    |    |
|-----|----|----|-----|----|----|----|
| 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  | 0  | 0  |
| 0   | 0  | 0  | 0   | 0  | 0  | 0  |
| 0   | 0  | 0  | 0   | 0  | 0  | 0  |
| 100 | 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  | 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   | 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  | 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  |
| 7   | 1  | 2  | 3   | 4  | 5  | 6  |
| 8   | 8  | 9  | 10  |    |    |    |
| 11  | 11 | 12 | 13  | 14 | 15 | 16 |
| 17  | 18 | 19 | 20  |    |    |    |
| 21  | 21 | 22 | 23  | 24 | 25 | 26 |
| 27  | 28 | 29 | 30  |    |    |    |
| 31  | 31 | 32 | 33  | 34 | 35 | 36 |
| 37  | 38 | 39 | 40  |    |    |    |
| 41  | 41 | 42 | 43  | 44 | 45 | 46 |
| 47  | 48 | 49 | 50  |    |    |    |
| 51  | 51 | 52 | 53  | 54 | 55 | 56 |
| 57  | 58 | 59 | 60  |    |    |    |
| 61  | 61 | 62 | 63  | 64 | 65 | 66 |
| 67  | 68 | 69 | 70  |    |    |    |
| 71  | 71 | 72 | 73  | 74 | 75 | 76 |
| 77  | 78 | 79 | 80  |    |    |    |
| 81  | 81 | 82 | 83  | 84 | 85 | 86 |
| 87  | 88 | 89 | 90  |    |    |    |
| 91  | 91 | 92 | 93  | 94 | 95 | 96 |
| 97  | 98 | 99 | 100 |    |    |    |

---

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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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 | 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 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 | 1 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 1 | 1 |

North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 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 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 8  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 9  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 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 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 27 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 0  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 28 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 0  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 29 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 0  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

```

0          0          0          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          0          0          0          0          0
0          0          0          0          0          0          0
40         0          0          0          0          0          0
0          0          0          0          0          0          0
0          0          0          0          0          0          0
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          0          0          0          0          0
0          0          0          0          0          0          0
41         0          0          0          0          0          0
0          0          0          0          0          0          0
0          0          0          0          0          0          0
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          1          1          1          1          1
1          1          0          0          0          0          0
0          0          0          0          0          0          0
42         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          0
0          0          0          1          1          1          1
1          1          1          1          1          1          1

```

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 46 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 48 | 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 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 55 | 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 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 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 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

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|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | 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 | 0 |
| 1  | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 |

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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 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 78 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 84 | 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   | 0   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 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   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 85 | 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   | 0   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 86 | 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   | 0   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |







North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | 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 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 1 | 1 | 1 |
| 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 | 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 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 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 | 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  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | 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 | 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 | 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 | 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 |
| 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 | 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 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 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 | 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 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 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 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|   | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 8  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 9  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 1  | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 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 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 1 | 0 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

```
1      0      0      0      0      0      0
0      0      0      0      0      0      0
39     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      0
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
0      0      0      0      0      0      0
40     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      0
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
0      0      0      0      0      0      0
41     0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      0      0      0      0      0
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
0      0      0      0      0      0      0
```

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 42 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |







North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 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 | 0 |



North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| 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 |
| 71 | 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  | 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 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 72 | 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  | 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 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 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 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 73 | 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  | 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 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 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 | 0 | 0 | 0 | 0 | 0 |
| 79 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 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  | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 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  | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 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 | 0 | 0 | 0 | 0 |
| 87 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 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 | 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 | 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 | 0 | 0 | 0 | 0 | 0 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | 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 | 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 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |    |    |    |   |   |   |
|----|----|----|----|---|---|---|
| 0  | 0  | 0  | 0  | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 96 | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 97 | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 98 | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|
| 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  | 0  | 0  |
| 99  | 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  | 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  | 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  | 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  |
| 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  | 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  | 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   | 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  | 0  |
| 0   | 0  | 0  | 0  | 0  | 0  | 0  |
| 0   | 0  | 0  | 0  | 0  | 0  | 0  |
| 100 | 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  | 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  | 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  | 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  |
| 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  | 0  | 0  |
| 0   | 0  | 0  | 0  | 0  | 0  | 0  |
| 0   | 0  | 0  | 0  | 0  | 0  | 0  |
| 7   | 1  | 2  | 3  | 4  | 5  | 6  |
| 8   | 8  | 9  | 10 |    |    |    |
| 11  | 11 | 12 | 13 | 14 | 15 | 16 |
| 17  | 18 | 19 | 20 |    |    |    |
| 21  | 21 | 22 | 23 | 24 | 25 | 26 |
| 27  | 28 | 29 | 30 |    |    |    |
| 31  | 31 | 32 | 33 | 34 | 35 | 36 |
| 37  | 38 | 39 | 40 |    |    |    |
| 41  | 41 | 42 | 43 | 44 | 45 | 46 |
| 47  | 48 | 49 | 50 |    |    |    |
| 51  | 51 | 52 | 53 | 54 | 55 | 56 |
| 57  | 58 | 59 | 60 |    |    |    |
| 61  | 61 | 62 | 63 | 64 | 65 | 66 |
| 67  | 68 | 69 | 70 |    |    |    |
| 71  | 71 | 72 | 73 | 74 | 75 | 76 |
| 77  | 78 | 79 | 80 |    |    |    |

North\_Trend\_May-10.out

|    |    |    |     |    |    |    |
|----|----|----|-----|----|----|----|
| 87 | 81 | 82 | 83  | 84 | 85 | 86 |
|    | 88 | 89 | 90  |    |    |    |
|    | 91 | 92 | 93  | 94 | 95 | 96 |
| 97 | 98 | 99 | 100 |    |    |    |

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|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 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 | 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 | 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 | 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 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 | 1 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 7  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 8  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 9  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |   |   |
|----|-----|-----|-----|-----|---|---|
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 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 | 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 | 0 | 0 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 14 | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 1 | 1 |
| 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 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 0 | 0 | 0 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 15 | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 1 | 1 |
| 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 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 0 | 0 | 0 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 16 | 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 | 0 0 | 0 0 | 0 | 0 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| 1  | 1 0 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 0 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |



North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 1   | 1   | 1   | 1   | 1   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 20 | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 1  | 0   | 0   | 0   | 0   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 0  | 1   | 1   | 1   | 1   | 1   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 21 | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 1  | 0   | 0   | 0   | 0   | 0   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 0  | 1   | 1   | 1   | 1   | 1   | 1   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 22 | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 0  | 0   | 0   | 0   | 0   | 0   | 0   |
| 1  | 0   | 0   | 0   | 0   | 0   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |



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|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 29 | 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 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 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 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

```
1      1      1      1      1      1      1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      0 0    0 0    0 0    0 0    0 0
0      0 0    0 0    0 0    0 0    0 0
39     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    0 0    0 0    0 0
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
0      0 0    0 0    0 0    0 0    0 0
40     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    0 0    0 0    0 0
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
0      0 0    0 0    0 0    0 0    0 0
41     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    0 0    0 0    0 0
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
1      1 1    1 1    1 1    1 1    1 1
```

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |



North\_Trend\_May-10.out

```

1       1       1       1       1       1       1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
0       0 1     0 0     0 0     0 0     0 0
45      0 0     0 0     0 0     0 0     0 0
0       0 0     0 0     0 0     0 0     0 0
0       0 0     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
0       0 1     0 0     0 0     0 0     0 0
46      0 0     0 0     0 0     0 0     0 0
0       0 0     0 0     0 0     0 0     0 0
0       0 0     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
0       0 1     0 0     0 0     0 0     0 0
47      0 0     0 0     0 0     0 0     0 0
0       0 0     0 0     0 0     0 0     0 0
0       0 0     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1
1       1 1     1 1     1 1     1 1     1 1

```

North\_Trend\_May-10.out

```

0      1      1      1      0      0      0
48  0  0  0  0  0  0
0  0  0  0  0  0  0
0  0  0  0  0  0  0
0  0  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
0  0  0  0  0  0  0
49  0  0  0  0  0  0
0  0  0  0  0  0  0
0  0  0  0  0  0  0
0  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
0  0  0  0  0  0  0
50  0  0  0  0  0  0
0  0  0  0  0  0  0
0  0  0  0  0  0  0
0  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
1  1  1  1  1  1  1
0  0  0  0  0  0  0
51  0  0  0  0  0  0
```

North\_Trend\_May-10.out

```
0      0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      0      0      0      0      0
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
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      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      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      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      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      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      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
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      0      0
```

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| 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 |
| 58 | 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  | 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 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 1 | 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 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 59 | 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  | 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 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 1 | 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 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 60 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |

North\_Trend\_May-10.out

|         |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 0       | 1 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 61<br>0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 0       | 1 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 62<br>0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 0       | 1 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 63<br>0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 0 | 0 | 0 | 0 | 0 | 0 |
| 0       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |
| 1       | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |





North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
|    | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 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 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |







North\_Trend\_May-10.out

|    |    |    |    |   |   |   |
|----|----|----|----|---|---|---|
| 0  | 0  | 0  | 0  | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 1  | 1 | 1 | 1 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 96 | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 1 | 1 | 1 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 97 | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 98 | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |
| 0  | 00 | 00 | 00 | 0 | 0 | 0 |





North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 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 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 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 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 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 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
|    | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |     |     |     |     |   |   |
|----|-----|-----|-----|-----|---|---|
| 1  | 1   | 1   | 1   | 1   | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 0 | 1 0 | 1 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 | 0 |
| 26 | 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 | 0 0 | 0 0 | 0 | 0 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 0 | 1 0 | 1 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 | 0 |
| 27 | 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 | 0 0 | 0 0 | 0 | 0 |
| 0  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 0 | 1 0 | 1 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 | 0 |
| 28 | 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 | 0 0 | 0 0 | 0 | 0 |
| 0  | 0 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 1 | 1 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 1 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 |









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|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 0 | 0 |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 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 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 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 | 0 |
| 0  | 0 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

```
0      0      0      0      0      0      0
57     0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
0      0      0      0      0      0      0
0      0      0      0      0      0      0
58     0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
0      0      0      0      0      0      0
0      0      0      0      0      0      0
59     0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      0      0      0      0      0
0      0      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
1      1      1      1      1      1      1
0      0      0      0      0      0      0
0      0      0      0      0      0      0
60     0      0      0      0      0      0
0      0      0      0      0      0      0
```

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |





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|    |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|
| 1  | 1   | 1   | 1   | 1   | 1   | 1   |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 70 | 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  | 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 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 71 | 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  | 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 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 0  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 72 | 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  | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |
| 1  | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 | 1 1 |

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|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 0 | 1 | 0 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

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|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 79 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 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  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 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  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 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  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | 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 | 0 |
| 1  | 1 | 1 | 1 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 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 | 0 |

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|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
|    | 0 | 0 | 0 | 0 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 1 | 1 | 1 | 1 | 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 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 0  | 1 | 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 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 0 | 1 |
|    | 1 | 1 | 1 | 1 | 1 | 1 |

North\_Trend\_May-10.out

|    |   |   |   |   |   |   |
|----|---|---|---|---|---|---|
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | 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 | 0 |
| 1  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | 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 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | 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 | 0 |
| 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| 0  | 1 | 1 | 1 | 1 | 1 | 1 |
| 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.<br>CELLGRP | LAYER | ROW | COL | STRESS RATE | IFACE  | QFACT |       |
|---------------------|-------|-----|-----|-------------|--------|-------|-------|
| 1.000               | 1     | 5   | 45  | 55          | -3100. | 0.000 | 1.000 |

1 WELL

| DRAIN NO.<br>CONDFACT | LAYER | ROW<br>CELLGRP | COL | DRAIN EL. | CONDUCTANCE | IFACE |
|-----------------------|-------|----------------|-----|-----------|-------------|-------|
| 51.30                 | 1     | 21             | 44  | 3653.     | 0.5130E+05  | 6.000 |
| 56.64                 | 1     | 22             | 44  | 3655.     | 0.5664E+05  | 6.000 |
| 48.07                 | 1     | 22             | 43  | 3656.     | 0.4807E+05  | 6.000 |
| 48.07                 | 1     | 22             | 42  | 3657.     | 0.4807E+05  | 6.000 |
| 48.07                 | 1     | 22             | 41  | 3658.     | 0.4807E+05  | 6.000 |
| 0.9603                | 1     | 22             | 40  | 3659.     | 960.3       | 6.000 |
| 47.11                 | 1     | 23             | 40  | 3660.     | 0.4711E+05  | 6.000 |
| 48.07                 | 1     | 23             | 39  | 3661.     | 0.4807E+05  | 6.000 |
| 48.07                 | 1     | 23             | 38  | 3662.     | 0.4807E+05  | 6.000 |
| 48.07                 | 1     | 23             | 37  | 3663.     | 0.4807E+05  | 6.000 |
| 48.07                 | 1     | 23             | 36  | 3664.     | 0.4807E+05  | 6.000 |
| 48.07                 | 1     | 23             | 35  | 3665.     | 0.4807E+05  | 6.000 |
| 44.07                 | 1     | 23             | 34  | 3667.     | 0.4407E+05  | 6.000 |
| 3.999                 | 1     | 24             | 34  | 3667.     | 3999.       | 6.000 |
| 48.07                 | 1     | 24             | 33  | 3668.     | 0.4807E+05  | 6.000 |
|                       | 1     | 24             | 32  | 3669.     | 0.4807E+05  | 6.000 |

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|       |   |       |    |       |            |       |  |
|-------|---|-------|----|-------|------------|-------|--|
| 48.07 |   | 1.000 |    |       |            |       |  |
| 17    | 1 | 24    | 31 | 3670. | 0.4807E+05 | 6.000 |  |
| 48.07 |   | 1.000 |    |       |            |       |  |
| 18    | 1 | 24    | 30 | 3671. | 0.4807E+05 | 6.000 |  |
| 48.07 |   | 1.000 |    |       |            |       |  |
| 19    | 1 | 24    | 29 | 3673. | 0.4807E+05 | 6.000 |  |
| 48.07 |   | 1.000 |    |       |            |       |  |
| 20    | 1 | 24    | 28 | 3674. | 0.4807E+05 | 6.000 |  |
| 48.07 |   | 1.000 |    |       |            |       |  |
| 21    | 1 | 86    | 46 | 3704. | 0.3720E+05 | 6.000 |  |
| 37.20 |   | 2.000 |    |       |            |       |  |
| 22    | 1 | 86    | 45 | 3704. | 0.5033E+05 | 6.000 |  |
| 50.33 |   | 2.000 |    |       |            |       |  |
| 23    | 1 | 86    | 44 | 3704. | 0.5033E+05 | 6.000 |  |
| 50.33 |   | 2.000 |    |       |            |       |  |
| 24    | 1 | 86    | 43 | 3704. | 0.3054E+05 | 6.000 |  |
| 30.54 |   | 2.000 |    |       |            |       |  |
| 25    | 1 | 85    | 43 | 3704. | 0.1979E+05 | 6.000 |  |
| 19.79 |   | 2.000 |    |       |            |       |  |
| 26    | 1 | 85    | 42 | 3704. | 0.5033E+05 | 6.000 |  |
| 50.33 |   | 2.000 |    |       |            |       |  |
| 27    | 1 | 85    | 41 | 3705. | 0.5033E+05 | 6.000 |  |
| 50.33 |   | 2.000 |    |       |            |       |  |
| 28    | 1 | 85    | 40 | 3705. | 0.4796E+05 | 6.000 |  |
| 47.96 |   | 2.000 |    |       |            |       |  |
| 29    | 1 | 84    | 40 | 3705. | 2372.      | 6.000 |  |
| 2.372 |   | 2.000 |    |       |            |       |  |
| 30    | 1 | 84    | 39 | 3705. | 0.5033E+05 | 6.000 |  |
| 50.33 |   | 2.000 |    |       |            |       |  |
| 31    | 1 | 84    | 38 | 3705. | 0.5033E+05 | 6.000 |  |
| 50.33 |   | 2.000 |    |       |            |       |  |
| 32    | 1 | 84    | 37 | 3705. | 0.5033E+05 | 6.000 |  |
| 50.33 |   | 2.000 |    |       |            |       |  |
| 33    | 1 | 4     | 53 | 3625. | 0.6183E+05 | 6.000 |  |
| 61.83 |   | 3.000 |    |       |            |       |  |
| 34    | 1 | 5     | 53 | 3627. | 0.5138E+05 | 6.000 |  |
| 51.38 |   | 3.000 |    |       |            |       |  |
| 35    | 1 | 5     | 52 | 3627. | 0.1046E+05 | 6.000 |  |
| 10.46 |   | 3.000 |    |       |            |       |  |
| 36    | 1 | 6     | 52 | 3628. | 0.6183E+05 | 6.000 |  |
| 61.83 |   | 3.000 |    |       |            |       |  |
| 37    | 1 | 7     | 52 | 3630. | 0.5000E+05 | 6.000 |  |
| 50.00 |   | 3.000 |    |       |            |       |  |
| 38    | 1 | 7     | 51 | 3630. | 0.1183E+05 | 6.000 |  |
| 11.83 |   | 3.000 |    |       |            |       |  |
| 39    | 1 | 8     | 51 | 3631. | 0.6183E+05 | 6.000 |  |
| 61.83 |   | 3.000 |    |       |            |       |  |
| 40    | 1 | 9     | 51 | 3633. | 0.4863E+05 | 6.000 |  |
| 48.63 |   | 3.000 |    |       |            |       |  |
| 41    | 1 | 9     | 50 | 3633. | 0.1320E+05 | 6.000 |  |
| 13.20 |   | 3.000 |    |       |            |       |  |
| 42    | 1 | 10    | 50 | 3634. | 0.6183E+05 | 6.000 |  |
| 61.83 |   | 3.000 |    |       |            |       |  |
| 43    | 1 | 11    | 50 | 3636. | 0.4726E+05 | 6.000 |  |
| 47.26 |   | 3.000 |    |       |            |       |  |
| 44    | 1 | 11    | 49 | 3636. | 0.1457E+05 | 6.000 |  |
| 14.57 |   | 3.000 |    |       |            |       |  |
| 45    | 1 | 12    | 49 | 3637. | 0.6183E+05 | 6.000 |  |
| 61.83 |   | 3.000 |    |       |            |       |  |
| 46    | 1 | 13    | 49 | 3639. | 0.4027E+05 | 6.000 |  |
| 40.27 |   | 3.000 |    |       |            |       |  |
| 47    | 1 | 13    | 48 | 3639. | 0.3152E+05 | 6.000 |  |
| 31.52 |   | 3.000 |    |       |            |       |  |

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|       |   |       |    |       |            |       |
|-------|---|-------|----|-------|------------|-------|
| 48    | 1 | 14    | 48 | 3640. | 0.3300E+05 | 6.000 |
| 33.00 |   | 3.000 |    |       |            |       |
| 49    | 1 | 14    | 47 | 3641. | 0.5093E+05 | 6.000 |
| 50.93 |   | 3.000 |    |       |            |       |
| 50    | 1 | 15    | 47 | 3642. | 0.1360E+05 | 6.000 |
| 13.60 |   | 3.000 |    |       |            |       |
| 51    | 1 | 15    | 46 | 3643. | 0.6453E+05 | 6.000 |
| 64.53 |   | 3.000 |    |       |            |       |
| 52    | 1 | 15    | 45 | 3644. | 5810.      | 6.000 |
| 5.810 |   | 3.000 |    |       |            |       |
| 53    | 1 | 16    | 45 | 3645. | 0.5872E+05 | 6.000 |
| 58.72 |   | 3.000 |    |       |            |       |
| 54    | 1 | 16    | 44 | 3646. | 0.2522E+05 | 6.000 |
| 25.22 |   | 3.000 |    |       |            |       |
| 55    | 1 | 17    | 44 | 3646. | 0.3931E+05 | 6.000 |
| 39.31 |   | 3.000 |    |       |            |       |
| 56    | 1 | 17    | 43 | 3647. | 0.4462E+05 | 6.000 |
| 44.62 |   | 3.000 |    |       |            |       |
| 57    | 1 | 18    | 43 | 3648. | 0.1990E+05 | 6.000 |
| 19.90 |   | 3.000 |    |       |            |       |
| 58    | 1 | 18    | 42 | 3649. | 0.2773E+05 | 6.000 |
| 27.73 |   | 3.000 |    |       |            |       |
| 59    | 1 | 18    | 43 | 3649. | 0.2064E+05 | 6.000 |
| 20.64 |   | 3.000 |    |       |            |       |
| 60    | 1 | 19    | 43 | 3650. | 0.6027E+05 | 6.000 |
| 60.27 |   | 3.000 |    |       |            |       |
| 61    | 1 | 20    | 43 | 3652. | 0.6027E+05 | 6.000 |
| 60.27 |   | 3.000 |    |       |            |       |
| 62    | 1 | 21    | 43 | 3653. | 4694.      | 6.000 |
| 4.694 |   | 3.000 |    |       |            |       |
| 63    | 1 | 21    | 44 | 3653. | 4275.      | 6.000 |
| 4.275 |   | 3.000 |    |       |            |       |

63 DRAINS

| BOUND. NO. | LAYER | ROW CELLGRP | COL | STAGE | CONDUCTANCE | IFACE |
|------------|-------|-------------|-----|-------|-------------|-------|
| 52.72      | 1     | 97          | 46  | 3704. | 316.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 2     | 96          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 3     | 95          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 4     | 94          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 5     | 93          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 6     | 92          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 7     | 91          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 8     | 90          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 9     | 89          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 57.04      | 10    | 88          | 46  | 3704. | 342.3       | 6.000 |
|            |       | 1.000       |     |       |             |       |
| 59.14      | 11    | 87          | 46  | 3704. | 354.8       | 6.000 |
|            |       | 1.000       |     |       |             |       |
|            | 12    | 87          | 47  | 3704. | 31.47       | 6.000 |

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|        |   |       |    |       |       |       |
|--------|---|-------|----|-------|-------|-------|
| 5.245  |   | 1.000 |    |       |       |       |
| 13     | 5 | 86    | 47 | 3704. | 263.9 | 6.000 |
| 43.99  |   | 1.000 |    |       |       |       |
| 14     | 5 | 86    | 48 | 3704. | 295.4 | 6.000 |
| 49.24  |   | 1.000 |    |       |       |       |
| 15     | 5 | 86    | 49 | 3704. | 295.4 | 6.000 |
| 49.24  |   | 1.000 |    |       |       |       |
| 16     | 5 | 86    | 50 | 3704. | 295.4 | 6.000 |
| 49.24  |   | 1.000 |    |       |       |       |
| 17     | 5 | 86    | 51 | 3704. | 100.5 | 6.000 |
| 16.75  |   | 1.000 |    |       |       |       |
| 18     | 5 | 85    | 51 | 3704. | 194.9 | 6.000 |
| 32.49  |   | 1.000 |    |       |       |       |
| 19     | 5 | 85    | 52 | 3704. | 295.4 | 6.000 |
| 49.24  |   | 1.000 |    |       |       |       |
| 20     | 5 | 85    | 53 | 3704. | 295.4 | 6.000 |
| 49.24  |   | 1.000 |    |       |       |       |
| 21     | 5 | 85    | 54 | 3704. | 295.4 | 6.000 |
| 49.24  |   | 1.000 |    |       |       |       |
| 22     | 5 | 85    | 55 | 3704. | 169.5 | 6.000 |
| 28.25  |   | 1.000 |    |       |       |       |
| 23     | 5 | 84    | 55 | 3704. | 125.9 | 6.000 |
| 20.98  |   | 1.000 |    |       |       |       |
| 24     | 5 | 84    | 56 | 3704. | 295.4 | 6.000 |
| 49.24  |   | 1.000 |    |       |       |       |
| 25     | 5 | 84    | 57 | 3704. | 410.1 | 6.000 |
| 68.36  |   | 1.000 |    |       |       |       |
| 26     | 5 | 83    | 57 | 3704. | 4.250 | 6.000 |
| 0.7083 |   | 1.000 |    |       |       |       |
| 27     | 5 | 83    | 58 | 3704. | 354.2 | 6.000 |
| 59.04  |   | 1.000 |    |       |       |       |
| 28     | 5 | 82    | 58 | 3704. | 358.5 | 6.000 |
| 59.74  |   | 1.000 |    |       |       |       |
| 29     | 5 | 81    | 58 | 3704. | 237.1 | 6.000 |
| 39.51  |   | 1.000 |    |       |       |       |
| 30     | 5 | 81    | 59 | 3704. | 121.4 | 6.000 |
| 20.23  |   | 1.000 |    |       |       |       |
| 31     | 5 | 80    | 59 | 3704. | 358.5 | 6.000 |
| 59.74  |   | 1.000 |    |       |       |       |
| 32     | 5 | 79    | 59 | 3704. | 358.5 | 6.000 |
| 59.74  |   | 1.000 |    |       |       |       |
| 33     | 5 | 78    | 59 | 3704. | 111.4 | 6.000 |
| 18.57  |   | 1.000 |    |       |       |       |
| 34     | 5 | 78    | 60 | 3704. | 247.1 | 6.000 |
| 41.18  |   | 1.000 |    |       |       |       |
| 35     | 5 | 77    | 60 | 3704. | 358.5 | 6.000 |
| 59.74  |   | 1.000 |    |       |       |       |
| 36     | 5 | 76    | 60 | 3704. | 344.2 | 6.000 |
| 57.37  |   | 1.000 |    |       |       |       |
| 37     | 5 | 76    | 61 | 3704. | 14.26 | 6.000 |
| 2.376  |   | 1.000 |    |       |       |       |
| 38     | 5 | 75    | 61 | 3704. | 358.5 | 6.000 |
| 59.74  |   | 1.000 |    |       |       |       |
| 39     | 5 | 74    | 61 | 3704. | 358.5 | 6.000 |
| 59.74  |   | 1.000 |    |       |       |       |
| 40     | 5 | 73    | 61 | 3704. | 218.6 | 6.000 |
| 36.43  |   | 1.000 |    |       |       |       |
| 41     | 5 | 73    | 62 | 3704. | 139.9 | 6.000 |
| 23.32  |   | 1.000 |    |       |       |       |
| 42     | 5 | 72    | 62 | 3704. | 256.1 | 6.000 |
| 42.68  |   | 1.000 |    |       |       |       |
| 43     | 5 | 72    | 63 | 3704. | 284.1 | 6.000 |
| 47.36  |   | 1.000 |    |       |       |       |

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|        |   |       |    |       |       |       |
|--------|---|-------|----|-------|-------|-------|
| 44     | 5 | 72    | 64 | 3704. | 167.2 | 6.000 |
| 27.86  |   | 1.000 |    |       |       |       |
| 45     | 5 | 73    | 64 | 3704. | 254.5 | 6.000 |
| 42.41  |   | 1.000 |    |       |       |       |
| 46     | 5 | 73    | 65 | 3704. | 141.1 | 6.000 |
| 23.52  |   | 1.000 |    |       |       |       |
| 47     | 5 | 74    | 65 | 3704. | 395.5 | 6.000 |
| 65.92  |   | 1.000 |    |       |       |       |
| 48     | 5 | 75    | 65 | 3704. | 29.13 | 6.000 |
| 4.855  |   | 1.000 |    |       |       |       |
| 49     | 5 | 75    | 66 | 3704. | 366.4 | 6.000 |
| 61.07  |   | 1.000 |    |       |       |       |
| 50     | 5 | 76    | 66 | 3704. | 199.4 | 6.000 |
| 33.23  |   | 1.000 |    |       |       |       |
| 51     | 5 | 76    | 67 | 3704. | 334.7 | 6.000 |
| 55.78  |   | 1.000 |    |       |       |       |
| 52     | 5 | 77    | 67 | 3704. | 40.38 | 6.000 |
| 6.730  |   | 1.000 |    |       |       |       |
| 53     | 5 | 77    | 68 | 3704. | 285.2 | 6.000 |
| 47.53  |   | 1.000 |    |       |       |       |
| 54     | 5 | 77    | 69 | 3705. | 285.2 | 6.000 |
| 47.53  |   | 1.000 |    |       |       |       |
| 55     | 5 | 77    | 70 | 3705. | 285.2 | 6.000 |
| 47.53  |   | 1.000 |    |       |       |       |
| 56     | 5 | 77    | 71 | 3705. | 174.5 | 6.000 |
| 29.09  |   | 1.000 |    |       |       |       |
| 57     | 5 | 76    | 71 | 3705. | 148.5 | 6.000 |
| 24.76  |   | 1.000 |    |       |       |       |
| 58     | 5 | 76    | 72 | 3705. | 325.4 | 6.000 |
| 54.24  |   | 1.000 |    |       |       |       |
| 59     | 5 | 76    | 73 | 3705. | 227.8 | 6.000 |
| 37.97  |   | 1.000 |    |       |       |       |
| 60     | 5 | 75    | 73 | 3705. | 97.60 | 6.000 |
| 16.27  |   | 1.000 |    |       |       |       |
| 61     | 5 | 75    | 74 | 3705. | 325.4 | 6.000 |
| 54.24  |   | 1.000 |    |       |       |       |
| 62     | 5 | 75    | 75 | 3705. | 278.8 | 6.000 |
| 46.46  |   | 1.000 |    |       |       |       |
| 63     | 5 | 74    | 75 | 3705. | 46.66 | 6.000 |
| 7.776  |   | 1.000 |    |       |       |       |
| 64     | 5 | 74    | 76 | 3705. | 325.4 | 6.000 |
| 54.24  |   | 1.000 |    |       |       |       |
| 65     | 5 | 74    | 77 | 3705. | 325.4 | 6.000 |
| 54.24  |   | 1.000 |    |       |       |       |
| 66     | 5 | 74    | 78 | 3705. | 4.287 | 6.000 |
| 0.7145 |   | 1.000 |    |       |       |       |
| 67     | 5 | 73    | 78 | 3705. | 321.1 | 6.000 |
| 53.52  |   | 1.000 |    |       |       |       |
| 68     | 5 | 73    | 79 | 3705. | 325.4 | 6.000 |
| 54.24  |   | 1.000 |    |       |       |       |
| 69     | 5 | 73    | 80 | 3705. | 55.23 | 6.000 |
| 9.205  |   | 1.000 |    |       |       |       |
| 70     | 5 | 72    | 80 | 3705. | 456.8 | 6.000 |
| 76.13  |   | 1.000 |    |       |       |       |
| 71     | 5 | 71    | 80 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 72     | 5 | 70    | 80 | 3705. | 199.4 | 6.000 |
| 33.24  |   | 1.000 |    |       |       |       |
| 73     | 5 | 70    | 81 | 3705. | 143.1 | 6.000 |
| 23.85  |   | 1.000 |    |       |       |       |
| 74     | 5 | 69    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 75     | 5 | 68    | 81 | 3705. | 342.5 | 6.000 |

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|        |   |       |    |       |       |       |
|--------|---|-------|----|-------|-------|-------|
| 57.09  |   | 1.000 |    |       |       |       |
| 76     | 5 | 67    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 77     | 5 | 66    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 78     | 5 | 65    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 79     | 5 | 64    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 80     | 5 | 63    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 81     | 5 | 62    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 82     | 5 | 61    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 83     | 5 | 60    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 84     | 5 | 59    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 85     | 5 | 58    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 86     | 5 | 57    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 87     | 5 | 56    | 81 | 3705. | 342.5 | 6.000 |
| 57.09  |   | 1.000 |    |       |       |       |
| 88     | 5 | 55    | 81 | 3705. | 197.8 | 6.000 |
| 32.96  |   | 1.000 |    |       |       |       |
| 89     | 5 | 55    | 82 | 3705. | 229.0 | 6.000 |
| 38.17  |   | 1.000 |    |       |       |       |
| 90     | 5 | 54    | 82 | 3705. | 148.0 | 6.000 |
| 24.67  |   | 1.000 |    |       |       |       |
| 91     | 5 | 54    | 83 | 3705. | 372.4 | 6.000 |
| 62.07  |   | 1.000 |    |       |       |       |
| 92     | 5 | 53    | 83 | 3705. | 4.627 | 6.000 |
| 0.7712 |   | 1.000 |    |       |       |       |
| 93     | 5 | 53    | 84 | 3705. | 377.0 | 6.000 |
| 62.84  |   | 1.000 |    |       |       |       |
| 94     | 5 | 53    | 85 | 3705. | 138.7 | 6.000 |
| 23.12  |   | 1.000 |    |       |       |       |
| 95     | 5 | 52    | 85 | 3705. | 238.3 | 6.000 |
| 39.72  |   | 1.000 |    |       |       |       |
| 96     | 5 | 52    | 86 | 3705. | 282.1 | 6.000 |
| 47.02  |   | 1.000 |    |       |       |       |
| 97     | 5 | 51    | 86 | 3705. | 94.93 | 6.000 |
| 15.82  |   | 1.000 |    |       |       |       |
| 98     | 5 | 51    | 87 | 3705. | 377.0 | 6.000 |
| 62.84  |   | 1.000 |    |       |       |       |
| 99     | 5 | 51    | 88 | 3705. | 48.43 | 6.000 |
| 8.072  |   | 1.000 |    |       |       |       |
| 100    | 5 | 50    | 88 | 3705. | 328.6 | 6.000 |
| 54.77  |   | 1.000 |    |       |       |       |
| 101    | 5 | 50    | 89 | 3705. | 191.8 | 6.000 |
| 31.97  |   | 1.000 |    |       |       |       |
| 102    | 5 | 49    | 89 | 3705. | 185.2 | 6.000 |
| 30.87  |   | 1.000 |    |       |       |       |
| 103    | 5 | 49    | 90 | 3705. | 335.2 | 6.000 |
| 55.86  |   | 1.000 |    |       |       |       |
| 104    | 5 | 48    | 90 | 3705. | 41.87 | 6.000 |
| 6.978  |   | 1.000 |    |       |       |       |
| 105    | 5 | 48    | 91 | 3705. | 377.0 | 6.000 |
| 62.84  |   | 1.000 |    |       |       |       |
| 106    | 5 | 48    | 92 | 3705. | 101.5 | 6.000 |
| 16.92  |   | 1.000 |    |       |       |       |



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|        |   |       |    |       |       |       |
|--------|---|-------|----|-------|-------|-------|
| 107    | 5 | 47    | 92 | 3705. | 275.5 | 6.000 |
| 45.92  |   | 1.000 |    |       |       |       |
| 108    | 5 | 47    | 93 | 3705. | 6.872 | 6.000 |
| 1.145  |   | 1.000 |    |       |       |       |
| 109    | 5 | 18    | 74 | 3700. | 3.986 | 6.000 |
| 0.6643 |   | 2.000 |    |       |       |       |
| 110    | 5 | 18    | 73 | 3700. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 111    | 5 | 18    | 72 | 3700. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 112    | 5 | 18    | 71 | 3700. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 113    | 5 | 18    | 70 | 3700. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 114    | 5 | 18    | 69 | 3700. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 115    | 5 | 18    | 68 | 3700. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 116    | 5 | 18    | 67 | 3700. | 150.4 | 6.000 |
| 25.07  |   | 2.000 |    |       |       |       |
| 117    | 5 | 17    | 67 | 3700. | 134.3 | 6.000 |
| 22.38  |   | 2.000 |    |       |       |       |
| 118    | 5 | 17    | 66 | 3700. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 119    | 5 | 17    | 65 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 120    | 5 | 17    | 64 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 121    | 5 | 17    | 63 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 122    | 5 | 17    | 62 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 123    | 5 | 17    | 61 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 124    | 5 | 17    | 60 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 125    | 5 | 17    | 59 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 126    | 5 | 17    | 58 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 127    | 5 | 17    | 57 | 3701. | 284.7 | 6.000 |
| 47.45  |   | 2.000 |    |       |       |       |
| 128    | 5 | 17    | 56 | 3701. | 231.7 | 6.000 |
| 38.62  |   | 2.000 |    |       |       |       |
| 129    | 5 | 16    | 56 | 3701. | 342.6 | 6.000 |
| 57.10  |   | 2.000 |    |       |       |       |
| 130    | 5 | 15    | 56 | 3701. | 342.6 | 6.000 |
| 57.10  |   | 2.000 |    |       |       |       |
| 131    | 5 | 14    | 56 | 3701. | 342.6 | 6.000 |
| 57.10  |   | 2.000 |    |       |       |       |
| 132    | 5 | 13    | 56 | 3701. | 223.0 | 6.000 |
| 37.17  |   | 2.000 |    |       |       |       |
| 133    | 5 | 13    | 57 | 3701. | 119.6 | 6.000 |
| 19.93  |   | 2.000 |    |       |       |       |
| 134    | 5 | 12    | 57 | 3702. | 342.6 | 6.000 |
| 57.10  |   | 2.000 |    |       |       |       |
| 135    | 5 | 11    | 57 | 3702. | 342.6 | 6.000 |
| 57.10  |   | 2.000 |    |       |       |       |
| 136    | 5 | 10    | 57 | 3702. | 342.6 | 6.000 |
| 57.10  |   | 2.000 |    |       |       |       |
| 137    | 5 | 9     | 57 | 3702. | 342.6 | 6.000 |
| 57.10  |   | 2.000 |    |       |       |       |
| 138    | 5 | 8     | 57 | 3702. | 342.6 | 6.000 |

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|       |   |       |    |       |       |       |
|-------|---|-------|----|-------|-------|-------|
| 57.10 |   | 2.000 |    |       |       |       |
| 139   | 5 | 7     | 57 | 3702. | 342.6 | 6.000 |
| 57.10 |   | 2.000 |    |       |       |       |
| 140   | 5 | 6     | 57 | 3702. | 342.6 | 6.000 |
| 57.10 |   | 2.000 |    |       |       |       |
| 141   | 5 | 5     | 57 | 3702. | 342.6 | 6.000 |
| 57.10 |   | 2.000 |    |       |       |       |
| 142   | 5 | 4     | 57 | 3702. | 342.6 | 6.000 |
| 57.10 |   | 2.000 |    |       |       |       |
| 143   | 5 | 3     | 57 | 3702. | 236.3 | 6.000 |
| 39.39 |   | 2.000 |    |       |       |       |
| 144   | 5 | 3     | 56 | 3702. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 145   | 5 | 3     | 55 | 3702. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 146   | 5 | 3     | 54 | 3702. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 147   | 5 | 3     | 53 | 3702. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 148   | 5 | 3     | 52 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 149   | 5 | 3     | 51 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 150   | 5 | 3     | 50 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 151   | 5 | 3     | 49 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 152   | 5 | 3     | 48 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 153   | 5 | 3     | 47 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 154   | 5 | 3     | 46 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 155   | 5 | 3     | 45 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 156   | 5 | 3     | 44 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 157   | 5 | 3     | 43 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 158   | 5 | 3     | 42 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 159   | 5 | 3     | 41 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 160   | 5 | 3     | 40 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 161   | 5 | 3     | 39 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 162   | 5 | 3     | 38 | 3703. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 163   | 5 | 3     | 37 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 164   | 5 | 3     | 36 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 165   | 5 | 3     | 35 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 166   | 5 | 3     | 34 | 3704. | 258.2 | 6.000 |
| 43.03 |   | 2.000 |    |       |       |       |
| 167   | 5 | 2     | 34 | 3704. | 26.26 | 6.000 |
| 4.377 |   | 2.000 |    |       |       |       |
| 168   | 5 | 2     | 33 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 169   | 5 | 2     | 32 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |

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|       |   |       |    |       |       |       |
|-------|---|-------|----|-------|-------|-------|
| 170   | 5 | 2     | 31 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 171   | 5 | 2     | 30 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 172   | 5 | 2     | 29 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 173   | 5 | 2     | 28 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 174   | 5 | 2     | 27 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 175   | 5 | 2     | 26 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 176   | 5 | 2     | 25 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 177   | 5 | 2     | 24 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 178   | 5 | 2     | 23 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 179   | 5 | 2     | 22 | 3704. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 180   | 5 | 2     | 21 | 3705. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 181   | 5 | 2     | 20 | 3705. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 182   | 5 | 2     | 19 | 3705. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 183   | 5 | 2     | 18 | 3705. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 184   | 5 | 2     | 17 | 3705. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 185   | 5 | 2     | 16 | 3705. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 186   | 5 | 2     | 15 | 3705. | 284.4 | 6.000 |
| 47.40 |   | 2.000 |    |       |       |       |
| 187   | 5 | 2     | 14 | 3705. | 49.38 | 6.000 |
| 8.229 |   | 2.000 |    |       |       |       |
| 188   | 5 | 66    | 28 | 3711. | 24.96 | 6.000 |
| 12.94 |   | 3.000 |    |       |       |       |
| 189   | 5 | 65    | 28 | 3711. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 190   | 5 | 64    | 28 | 3711. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 191   | 5 | 63    | 28 | 3711. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 192   | 5 | 62    | 28 | 3711. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 193   | 5 | 61    | 28 | 3711. | 98.10 | 6.000 |
| 50.86 |   | 3.000 |    |       |       |       |
| 194   | 5 | 61    | 29 | 3711. | 12.00 | 6.000 |
| 6.221 |   | 3.000 |    |       |       |       |
| 195   | 5 | 60    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 196   | 5 | 59    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 197   | 5 | 58    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 198   | 5 | 57    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 199   | 5 | 56    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 200   | 5 | 55    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 201   | 5 | 54    | 29 | 3710. | 110.1 | 6.000 |

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|       |   |       |    |       |       |       |
|-------|---|-------|----|-------|-------|-------|
| 57.09 |   | 3.000 |    |       |       |       |
| 202   | 5 | 53    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 203   | 5 | 52    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 204   | 5 | 51    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 205   | 5 | 50    | 29 | 3710. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 206   | 5 | 49    | 29 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 207   | 5 | 48    | 29 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 208   | 5 | 47    | 29 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 209   | 5 | 46    | 29 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 210   | 5 | 45    | 29 | 3709. | 88.37 | 6.000 |
| 45.82 |   | 3.000 |    |       |       |       |
| 211   | 5 | 45    | 30 | 3709. | 21.73 | 6.000 |
| 11.27 |   | 3.000 |    |       |       |       |
| 212   | 5 | 44    | 30 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 213   | 5 | 43    | 30 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 214   | 5 | 42    | 30 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 215   | 5 | 41    | 30 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 216   | 5 | 40    | 30 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 217   | 5 | 39    | 30 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 218   | 5 | 38    | 30 | 3709. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 219   | 5 | 37    | 30 | 3708. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 220   | 5 | 36    | 30 | 3708. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 221   | 5 | 35    | 30 | 3708. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 222   | 5 | 34    | 30 | 3708. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 223   | 5 | 33    | 30 | 3708. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 224   | 5 | 32    | 30 | 3708. | 110.1 | 6.000 |
| 57.09 |   | 3.000 |    |       |       |       |
| 225   | 5 | 31    | 30 | 3708. | 113.2 | 6.000 |
| 58.69 |   | 3.000 |    |       |       |       |
| 226   | 5 | 30    | 30 | 3708. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 227   | 5 | 29    | 30 | 3708. | 35.69 | 6.000 |
| 18.50 |   | 3.000 |    |       |       |       |
| 228   | 5 | 29    | 29 | 3708. | 85.34 | 6.000 |
| 44.25 |   | 3.000 |    |       |       |       |
| 229   | 5 | 28    | 29 | 3708. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 230   | 5 | 27    | 29 | 3708. | 12.18 | 6.000 |
| 6.315 |   | 3.000 |    |       |       |       |
| 231   | 5 | 27    | 28 | 3707. | 108.8 | 6.000 |
| 56.44 |   | 3.000 |    |       |       |       |
| 232   | 5 | 26    | 28 | 3707. | 109.7 | 6.000 |
| 56.88 |   | 3.000 |    |       |       |       |

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|       |   |       |    |       |       |       |
|-------|---|-------|----|-------|-------|-------|
| 233   | 5 | 26    | 27 | 3707. | 11.33 | 6.000 |
| 5.875 |   | 3.000 |    |       |       |       |
| 234   | 5 | 25    | 27 | 3707. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 235   | 5 | 24    | 27 | 3707. | 86.19 | 6.000 |
| 44.69 |   | 3.000 |    |       |       |       |
| 236   | 5 | 24    | 26 | 3707. | 34.84 | 6.000 |
| 18.07 |   | 3.000 |    |       |       |       |
| 237   | 5 | 23    | 26 | 3707. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 238   | 5 | 22    | 26 | 3707. | 62.67 | 6.000 |
| 32.50 |   | 3.000 |    |       |       |       |
| 239   | 5 | 22    | 25 | 3707. | 58.35 | 6.000 |
| 30.26 |   | 3.000 |    |       |       |       |
| 240   | 5 | 21    | 25 | 3707. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 241   | 5 | 20    | 25 | 3707. | 39.16 | 6.000 |
| 20.31 |   | 3.000 |    |       |       |       |
| 242   | 5 | 20    | 24 | 3707. | 81.86 | 6.000 |
| 42.45 |   | 3.000 |    |       |       |       |
| 243   | 5 | 19    | 24 | 3707. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 244   | 5 | 18    | 24 | 3707. | 15.65 | 6.000 |
| 8.116 |   | 3.000 |    |       |       |       |
| 245   | 5 | 18    | 23 | 3707. | 105.4 | 6.000 |
| 54.64 |   | 3.000 |    |       |       |       |
| 246   | 5 | 17    | 23 | 3707. | 113.2 | 6.000 |
| 58.68 |   | 3.000 |    |       |       |       |
| 247   | 5 | 17    | 22 | 3706. | 7.857 | 6.000 |
| 4.074 |   | 3.000 |    |       |       |       |
| 248   | 5 | 16    | 22 | 3706. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 249   | 5 | 15    | 22 | 3706. | 89.66 | 6.000 |
| 46.49 |   | 3.000 |    |       |       |       |
| 250   | 5 | 15    | 21 | 3706. | 31.37 | 6.000 |
| 16.26 |   | 3.000 |    |       |       |       |
| 251   | 5 | 14    | 21 | 3706. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 252   | 5 | 13    | 21 | 3706. | 66.15 | 6.000 |
| 34.30 |   | 3.000 |    |       |       |       |
| 253   | 5 | 13    | 20 | 3706. | 54.88 | 6.000 |
| 28.45 |   | 3.000 |    |       |       |       |
| 254   | 5 | 12    | 20 | 3706. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 255   | 5 | 11    | 20 | 3706. | 42.64 | 6.000 |
| 22.11 |   | 3.000 |    |       |       |       |
| 256   | 5 | 11    | 19 | 3706. | 78.39 | 6.000 |
| 40.64 |   | 3.000 |    |       |       |       |
| 257   | 5 | 10    | 19 | 3706. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 258   | 5 | 9     | 19 | 3706. | 19.13 | 6.000 |
| 9.917 |   | 3.000 |    |       |       |       |
| 259   | 5 | 9     | 18 | 3706. | 101.9 | 6.000 |
| 52.83 |   | 3.000 |    |       |       |       |
| 260   | 5 | 8     | 18 | 3706. | 116.6 | 6.000 |
| 60.48 |   | 3.000 |    |       |       |       |
| 261   | 5 | 8     | 17 | 3706. | 4.383 | 6.000 |
| 2.273 |   | 3.000 |    |       |       |       |
| 262   | 5 | 7     | 17 | 3706. | 121.0 | 6.000 |
| 62.75 |   | 3.000 |    |       |       |       |
| 263   | 5 | 6     | 17 | 3705. | 93.13 | 6.000 |
| 48.29 |   | 3.000 |    |       |       |       |
| 264   | 5 | 6     | 16 | 3705. | 27.89 | 6.000 |

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|       |   |       |    |       |            |       |
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| 14.46 |   | 3.000 |    |       |            |       |
| 265   | 5 | 5     | 16 | 3705. | 121.0      | 6.000 |
| 62.75 |   | 3.000 |    |       |            |       |
| 266   | 5 | 4     | 16 | 3705. | 69.62      | 6.000 |
| 36.10 |   | 3.000 |    |       |            |       |
| 267   | 5 | 4     | 15 | 3705. | 51.40      | 6.000 |
| 26.65 |   | 3.000 |    |       |            |       |
| 268   | 5 | 3     | 15 | 3705. | 121.0      | 6.000 |
| 62.75 |   | 3.000 |    |       |            |       |
| 269   | 5 | 2     | 15 | 3705. | 46.11      | 6.000 |
| 23.91 |   | 3.000 |    |       |            |       |
| 270   | 5 | 2     | 14 | 3705. | 37.94      | 6.000 |
| 19.67 |   | 3.000 |    |       |            |       |
| 271   | 5 | 97    | 46 | 3704. | 0.2501E+05 | 6.000 |
| 32.08 |   | 4.000 |    |       |            |       |
| 272   | 5 | 97    | 45 | 3704. | 0.2871E+05 | 6.000 |
| 36.84 |   | 4.000 |    |       |            |       |
| 273   | 5 | 96    | 45 | 3704. | 0.2854E+05 | 6.000 |
| 36.62 |   | 4.000 |    |       |            |       |
| 274   | 5 | 96    | 44 | 3704. | 0.2958E+05 | 6.000 |
| 37.95 |   | 4.000 |    |       |            |       |
| 275   | 5 | 95    | 44 | 3704. | 0.2768E+05 | 6.000 |
| 35.51 |   | 4.000 |    |       |            |       |
| 276   | 5 | 95    | 43 | 3705. | 0.3044E+05 | 6.000 |
| 39.06 |   | 4.000 |    |       |            |       |
| 277   | 5 | 94    | 43 | 3705. | 0.2681E+05 | 6.000 |
| 34.40 |   | 4.000 |    |       |            |       |
| 278   | 5 | 94    | 42 | 3705. | 0.3131E+05 | 6.000 |
| 40.17 |   | 4.000 |    |       |            |       |
| 279   | 5 | 93    | 42 | 3705. | 0.2594E+05 | 6.000 |
| 33.29 |   | 4.000 |    |       |            |       |
| 280   | 5 | 93    | 41 | 3705. | 0.3218E+05 | 6.000 |
| 41.29 |   | 4.000 |    |       |            |       |
| 281   | 5 | 92    | 41 | 3705. | 0.2508E+05 | 6.000 |
| 32.17 |   | 4.000 |    |       |            |       |
| 282   | 5 | 92    | 40 | 3705. | 0.3305E+05 | 6.000 |
| 42.40 |   | 4.000 |    |       |            |       |
| 283   | 5 | 91    | 40 | 3705. | 0.2421E+05 | 6.000 |
| 31.06 |   | 4.000 |    |       |            |       |
| 284   | 5 | 91    | 39 | 3705. | 0.3391E+05 | 6.000 |
| 43.51 |   | 4.000 |    |       |            |       |
| 285   | 5 | 90    | 39 | 3706. | 0.2334E+05 | 6.000 |
| 29.95 |   | 4.000 |    |       |            |       |
| 286   | 5 | 90    | 38 | 3706. | 0.3478E+05 | 6.000 |
| 44.62 |   | 4.000 |    |       |            |       |
| 287   | 5 | 89    | 38 | 3706. | 0.2247E+05 | 6.000 |
| 28.84 |   | 4.000 |    |       |            |       |
| 288   | 5 | 89    | 37 | 3706. | 0.3565E+05 | 6.000 |
| 45.74 |   | 4.000 |    |       |            |       |
| 289   | 5 | 88    | 37 | 3706. | 0.2161E+05 | 6.000 |
| 27.72 |   | 4.000 |    |       |            |       |
| 290   | 5 | 88    | 36 | 3706. | 0.3651E+05 | 6.000 |
| 46.85 |   | 4.000 |    |       |            |       |
| 291   | 5 | 87    | 36 | 3706. | 0.4500E+05 | 6.000 |
| 57.74 |   | 4.000 |    |       |            |       |
| 292   | 5 | 86    | 36 | 3706. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 293   | 5 | 85    | 36 | 3707. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 294   | 5 | 84    | 36 | 3707. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 295   | 5 | 83    | 36 | 3707. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |

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|-------|---|-------|----|-------|------------|-------|
| 296   | 5 | 82    | 36 | 3707. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 297   | 5 | 81    | 36 | 3707. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 298   | 5 | 80    | 36 | 3707. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 299   | 5 | 79    | 36 | 3708. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 300   | 5 | 78    | 36 | 3708. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 301   | 5 | 77    | 36 | 3708. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 302   | 5 | 76    | 36 | 3708. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 303   | 5 | 75    | 36 | 3708. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 304   | 5 | 74    | 36 | 3708. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 305   | 5 | 73    | 36 | 3709. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 306   | 5 | 72    | 36 | 3709. | 0.2320E+05 | 6.000 |
| 29.76 |   | 4.000 |    |       |            |       |
| 307   | 5 | 72    | 37 | 3709. | 0.2126E+05 | 6.000 |
| 27.28 |   | 4.000 |    |       |            |       |
| 308   | 5 | 71    | 37 | 3709. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 309   | 5 | 70    | 37 | 3709. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 310   | 5 | 69    | 37 | 3709. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 311   | 5 | 68    | 37 | 3709. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 312   | 5 | 67    | 37 | 3710. | 0.4446E+05 | 6.000 |
| 57.05 |   | 4.000 |    |       |            |       |
| 313   | 5 | 66    | 37 | 3710. | 0.2107E+05 | 6.000 |
| 27.03 |   | 4.000 |    |       |            |       |
| 314   | 5 | 66    | 36 | 3710. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 315   | 5 | 66    | 35 | 3710. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 316   | 5 | 66    | 34 | 3710. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 317   | 5 | 66    | 33 | 3710. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 318   | 5 | 66    | 32 | 3710. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 319   | 5 | 66    | 31 | 3711. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 320   | 5 | 66    | 30 | 3711. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 321   | 5 | 66    | 29 | 3711. | 0.3701E+05 | 6.000 |
| 47.48 |   | 4.000 |    |       |            |       |
| 322   | 5 | 66    | 28 | 3711. | 0.1190E+05 | 6.000 |
| 15.27 |   | 4.000 |    |       |            |       |
| 323   | 5 | 47    | 93 | 3705. | 0.1811E-01 | 6.000 |
| 1.811 |   | 5.000 |    |       |            |       |
| 324   | 5 | 47    | 92 | 3705. | 0.2785     | 6.000 |
| 27.85 |   | 5.000 |    |       |            |       |
| 325   | 5 | 46    | 92 | 3705. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 326   | 5 | 45    | 92 | 3705. | 0.6669E-01 | 6.000 |
| 6.669 |   | 5.000 |    |       |            |       |
| 327   | 5 | 45    | 91 | 3705. | 0.5818     | 6.000 |

North\_Trend\_May-10.out

|       |   |       |    |       |            |       |
|-------|---|-------|----|-------|------------|-------|
| 58.18 |   | 5.000 |    |       |            |       |
| 328   | 5 | 44    | 91 | 3705. | 0.4118     | 6.000 |
| 41.18 |   | 5.000 |    |       |            |       |
| 329   | 5 | 44    | 90 | 3704. | 0.2366     | 6.000 |
| 23.66 |   | 5.000 |    |       |            |       |
| 330   | 5 | 43    | 90 | 3704. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 331   | 5 | 42    | 90 | 3704. | 0.1085     | 6.000 |
| 10.85 |   | 5.000 |    |       |            |       |
| 332   | 5 | 42    | 89 | 3704. | 0.5400     | 6.000 |
| 54.00 |   | 5.000 |    |       |            |       |
| 333   | 5 | 41    | 89 | 3704. | 0.4536     | 6.000 |
| 45.36 |   | 5.000 |    |       |            |       |
| 334   | 5 | 41    | 88 | 3704. | 0.1948     | 6.000 |
| 19.48 |   | 5.000 |    |       |            |       |
| 335   | 5 | 40    | 88 | 3704. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 336   | 5 | 39    | 88 | 3704. | 0.1503     | 6.000 |
| 15.03 |   | 5.000 |    |       |            |       |
| 337   | 5 | 39    | 87 | 3704. | 0.4982     | 6.000 |
| 49.82 |   | 5.000 |    |       |            |       |
| 338   | 5 | 38    | 87 | 3703. | 0.4954     | 6.000 |
| 49.54 |   | 5.000 |    |       |            |       |
| 339   | 5 | 38    | 86 | 3703. | 0.1530     | 6.000 |
| 15.30 |   | 5.000 |    |       |            |       |
| 340   | 5 | 37    | 86 | 3703. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 341   | 5 | 36    | 86 | 3703. | 0.1921     | 6.000 |
| 19.21 |   | 5.000 |    |       |            |       |
| 342   | 5 | 36    | 85 | 3703. | 0.4564     | 6.000 |
| 45.64 |   | 5.000 |    |       |            |       |
| 343   | 5 | 35    | 85 | 3703. | 0.5372     | 6.000 |
| 53.72 |   | 5.000 |    |       |            |       |
| 344   | 5 | 35    | 84 | 3703. | 0.1112     | 6.000 |
| 11.12 |   | 5.000 |    |       |            |       |
| 345   | 5 | 34    | 84 | 3703. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 346   | 5 | 33    | 84 | 3703. | 0.2339     | 6.000 |
| 23.39 |   | 5.000 |    |       |            |       |
| 347   | 5 | 33    | 83 | 3703. | 0.4146     | 6.000 |
| 41.46 |   | 5.000 |    |       |            |       |
| 348   | 5 | 32    | 83 | 3702. | 0.5790     | 6.000 |
| 57.90 |   | 5.000 |    |       |            |       |
| 349   | 5 | 32    | 82 | 3702. | 0.6944E-01 | 6.000 |
| 6.944 |   | 5.000 |    |       |            |       |
| 350   | 5 | 31    | 82 | 3702. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 351   | 5 | 30    | 82 | 3702. | 0.2757     | 6.000 |
| 27.57 |   | 5.000 |    |       |            |       |
| 352   | 5 | 30    | 81 | 3702. | 0.3728     | 6.000 |
| 37.28 |   | 5.000 |    |       |            |       |
| 353   | 5 | 29    | 81 | 3702. | 0.6208     | 6.000 |
| 62.08 |   | 5.000 |    |       |            |       |
| 354   | 5 | 29    | 80 | 3702. | 0.2763E-01 | 6.000 |
| 2.763 |   | 5.000 |    |       |            |       |
| 355   | 5 | 28    | 80 | 3702. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 356   | 5 | 27    | 80 | 3702. | 0.3175     | 6.000 |
| 31.75 |   | 5.000 |    |       |            |       |
| 357   | 5 | 27    | 79 | 3702. | 0.3310     | 6.000 |
| 33.10 |   | 5.000 |    |       |            |       |
| 358   | 5 | 26    | 79 | 3701. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |



North\_Trend\_May-10.out

|       |   |       |    |       |            |       |
|-------|---|-------|----|-------|------------|-------|
| 359   | 5 | 25    | 79 | 3701. | 0.1417E-01 | 6.000 |
| 1.417 |   | 5.000 |    |       |            |       |
| 360   | 5 | 25    | 78 | 3701. | 0.6343     | 6.000 |
| 63.43 |   | 5.000 |    |       |            |       |
| 361   | 5 | 24    | 78 | 3701. | 0.3593     | 6.000 |
| 35.93 |   | 5.000 |    |       |            |       |
| 362   | 5 | 24    | 77 | 3701. | 0.2892     | 6.000 |
| 28.92 |   | 5.000 |    |       |            |       |
| 363   | 5 | 23    | 77 | 3701. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 364   | 5 | 22    | 77 | 3701. | 0.5597E-01 | 6.000 |
| 5.597 |   | 5.000 |    |       |            |       |
| 365   | 5 | 22    | 76 | 3701. | 0.5925     | 6.000 |
| 59.25 |   | 5.000 |    |       |            |       |
| 366   | 5 | 21    | 76 | 3701. | 0.4011     | 6.000 |
| 40.11 |   | 5.000 |    |       |            |       |
| 367   | 5 | 21    | 75 | 3700. | 0.2474     | 6.000 |
| 24.74 |   | 5.000 |    |       |            |       |
| 368   | 5 | 20    | 75 | 3700. | 0.6485     | 6.000 |
| 64.85 |   | 5.000 |    |       |            |       |
| 369   | 5 | 19    | 75 | 3700. | 0.9778E-01 | 6.000 |
| 9.778 |   | 5.000 |    |       |            |       |
| 370   | 5 | 19    | 74 | 3700. | 0.5507     | 6.000 |
| 55.07 |   | 5.000 |    |       |            |       |
| 371   | 5 | 18    | 74 | 3700. | 0.4290     | 6.000 |
| 42.90 |   | 5.000 |    |       |            |       |

371 GHB CELLS

| CHD NO. | LAYER | ROW | COL | START HEAD | END HEAD |
|---------|-------|-----|-----|------------|----------|
| 1       | 1     | 47  | 93  | 690.6      | 690.6    |
| 2       | 1     | 47  | 92  | 1110.      | 1110.    |
| 3       | 1     | 48  | 92  | 1783.      | 1783.    |
| 4       | 1     | 48  | 91  | 1784.      | 1784.    |
| 5       | 1     | 48  | 90  | 1785.      | 1785.    |
| 6       | 1     | 49  | 90  | 1785.      | 1785.    |
| 7       | 1     | 49  | 89  | 1786.      | 1786.    |
| 8       | 1     | 50  | 89  | 1786.      | 1786.    |
| 9       | 1     | 50  | 88  | 1787.      | 1787.    |
| 10      | 1     | 51  | 88  | 1787.      | 1787.    |
| 11      | 1     | 51  | 87  | 1788.      | 1788.    |
| 12      | 1     | 51  | 86  | 1789.      | 1789.    |
| 13      | 1     | 52  | 86  | 1789.      | 1789.    |
| 14      | 1     | 52  | 85  | 1790.      | 1790.    |
| 15      | 1     | 53  | 85  | 1790.      | 1790.    |
| 16      | 1     | 53  | 84  | 1791.      | 1791.    |
| 17      | 1     | 53  | 83  | 1792.      | 1792.    |
| 18      | 1     | 54  | 83  | 1792.      | 1792.    |
| 19      | 1     | 54  | 82  | 1793.      | 1793.    |
| 20      | 1     | 55  | 82  | 1793.      | 1793.    |
| 21      | 1     | 55  | 81  | 1794.      | 1794.    |
| 22      | 1     | 56  | 81  | 1795.      | 1795.    |
| 23      | 1     | 57  | 81  | 1796.      | 1796.    |
| 24      | 1     | 58  | 81  | 1796.      | 1796.    |
| 25      | 1     | 59  | 81  | 1797.      | 1797.    |
| 26      | 1     | 60  | 81  | 1798.      | 1798.    |
| 27      | 1     | 61  | 81  | 1799.      | 1799.    |
| 28      | 1     | 62  | 81  | 1800.      | 1800.    |
| 29      | 1     | 63  | 81  | 1801.      | 1801.    |
| 30      | 1     | 64  | 81  | 1802.      | 1802.    |
| 31      | 1     | 65  | 81  | 1803.      | 1803.    |
| 32      | 1     | 66  | 81  | 1804.      | 1804.    |

North\_Trend\_May-10.out

|    |   |    |    |       |       |
|----|---|----|----|-------|-------|
| 33 | 1 | 67 | 81 | 1805. | 1805. |
| 34 | 1 | 68 | 81 | 1806. | 1806. |
| 35 | 1 | 69 | 81 | 1807. | 1807. |
| 36 | 1 | 70 | 81 | 1807. | 1807. |
| 37 | 1 | 70 | 80 | 1808. | 1808. |
| 38 | 1 | 71 | 80 | 1808. | 1808. |
| 39 | 1 | 72 | 80 | 1809. | 1809. |
| 40 | 1 | 73 | 80 | 1810. | 1810. |
| 41 | 1 | 73 | 79 | 1811. | 1811. |
| 42 | 1 | 73 | 78 | 1811. | 1811. |
| 43 | 1 | 74 | 78 | 1812. | 1812. |
| 44 | 1 | 74 | 77 | 1812. | 1812. |
| 45 | 1 | 74 | 76 | 1813. | 1813. |
| 46 | 1 | 74 | 75 | 1814. | 1814. |
| 47 | 1 | 75 | 75 | 1814. | 1814. |
| 48 | 1 | 75 | 74 | 1815. | 1815. |
| 49 | 1 | 75 | 73 | 1816. | 1816. |
| 50 | 1 | 76 | 73 | 1816. | 1816. |
| 51 | 1 | 76 | 72 | 1817. | 1817. |
| 52 | 1 | 76 | 71 | 1817. | 1817. |
| 53 | 1 | 77 | 71 | 1818. | 1818. |
| 54 | 1 | 77 | 70 | 1818. | 1818. |
| 55 | 1 | 77 | 69 | 1819. | 1819. |
| 56 | 1 | 77 | 68 | 1820. | 1820. |
| 57 | 1 | 77 | 67 | 1820. | 1820. |
| 58 | 1 | 76 | 67 | 1821. | 1821. |
| 59 | 1 | 76 | 66 | 1822. | 1822. |
| 60 | 1 | 75 | 66 | 1822. | 1822. |
| 61 | 1 | 75 | 65 | 1823. | 1823. |
| 62 | 1 | 74 | 65 | 1823. | 1823. |
| 63 | 1 | 73 | 65 | 1824. | 1824. |
| 64 | 1 | 73 | 64 | 1825. | 1825. |
| 65 | 1 | 72 | 64 | 1825. | 1825. |
| 66 | 1 | 72 | 63 | 1826. | 1826. |
| 67 | 1 | 72 | 62 | 1827. | 1827. |
| 68 | 1 | 73 | 62 | 1827. | 1827. |
| 69 | 1 | 73 | 61 | 1828. | 1828. |
| 70 | 1 | 74 | 61 | 1828. | 1828. |
| 71 | 1 | 75 | 61 | 1829. | 1829. |
| 72 | 1 | 76 | 61 | 1830. | 1830. |
| 73 | 1 | 76 | 60 | 1830. | 1830. |
| 74 | 1 | 77 | 60 | 1831. | 1831. |
| 75 | 1 | 78 | 60 | 1832. | 1832. |
| 76 | 1 | 78 | 59 | 1832. | 1832. |
| 77 | 1 | 79 | 59 | 1833. | 1833. |
| 78 | 1 | 80 | 59 | 1834. | 1834. |
| 79 | 1 | 81 | 59 | 1835. | 1835. |
| 80 | 1 | 81 | 58 | 1835. | 1835. |
| 81 | 1 | 82 | 58 | 1836. | 1836. |
| 82 | 1 | 83 | 58 | 1837. | 1837. |
| 83 | 1 | 83 | 57 | 1837. | 1837. |
| 84 | 1 | 84 | 57 | 1838. | 1838. |
| 85 | 1 | 84 | 56 | 1839. | 1839. |
| 86 | 1 | 84 | 55 | 1839. | 1839. |
| 87 | 1 | 85 | 55 | 1840. | 1840. |
| 88 | 1 | 85 | 54 | 1840. | 1840. |
| 89 | 1 | 85 | 53 | 1841. | 1841. |
| 90 | 1 | 85 | 52 | 1842. | 1842. |
| 91 | 1 | 85 | 51 | 1843. | 1843. |
| 92 | 1 | 86 | 51 | 1843. | 1843. |
| 93 | 1 | 86 | 50 | 1844. | 1844. |
| 94 | 1 | 86 | 49 | 1844. | 1844. |
| 95 | 1 | 86 | 48 | 1845. | 1845. |

| North_Trend_May-10.out |   |    |    |       |       |
|------------------------|---|----|----|-------|-------|
| 96                     | 1 | 86 | 47 | 1846. | 1846. |
| 97                     | 1 | 87 | 47 | 1846. | 1846. |
| 98                     | 1 | 87 | 46 | 151.7 | 151.7 |
| 99                     | 1 | 2  | 14 | 541.2 | 541.2 |
| 100                    | 1 | 2  | 15 | 1220. | 1220. |
| 101                    | 1 | 2  | 16 | 1834. | 1834. |
| 102                    | 1 | 2  | 17 | 1833. | 1833. |
| 103                    | 1 | 2  | 18 | 1833. | 1833. |
| 104                    | 1 | 2  | 19 | 1832. | 1832. |
| 105                    | 1 | 2  | 20 | 1832. | 1832. |
| 106                    | 1 | 2  | 21 | 1831. | 1831. |
| 107                    | 1 | 2  | 22 | 1831. | 1831. |
| 108                    | 1 | 2  | 23 | 1830. | 1830. |
| 109                    | 1 | 2  | 24 | 1830. | 1830. |
| 110                    | 1 | 2  | 25 | 1829. | 1829. |
| 111                    | 1 | 2  | 26 | 1828. | 1828. |
| 112                    | 1 | 2  | 27 | 1828. | 1828. |
| 113                    | 1 | 2  | 28 | 1827. | 1827. |
| 114                    | 1 | 2  | 29 | 1827. | 1827. |
| 115                    | 1 | 2  | 30 | 1826. | 1826. |
| 116                    | 1 | 2  | 31 | 1826. | 1826. |
| 117                    | 1 | 2  | 32 | 1825. | 1825. |
| 118                    | 1 | 2  | 33 | 1825. | 1825. |
| 119                    | 1 | 2  | 34 | 1824. | 1824. |
| 120                    | 1 | 3  | 34 | 1824. | 1824. |
| 121                    | 1 | 3  | 35 | 1823. | 1823. |
| 122                    | 1 | 3  | 36 | 1823. | 1823. |
| 123                    | 1 | 3  | 37 | 1822. | 1822. |
| 124                    | 1 | 3  | 38 | 1822. | 1822. |
| 125                    | 1 | 3  | 39 | 1821. | 1821. |
| 126                    | 1 | 3  | 40 | 1821. | 1821. |
| 127                    | 1 | 3  | 41 | 1820. | 1820. |
| 128                    | 1 | 3  | 42 | 1819. | 1819. |
| 129                    | 1 | 3  | 43 | 1819. | 1819. |
| 130                    | 1 | 3  | 44 | 1818. | 1818. |
| 131                    | 1 | 3  | 45 | 1818. | 1818. |
| 132                    | 1 | 3  | 46 | 1817. | 1817. |
| 133                    | 1 | 3  | 47 | 1817. | 1817. |
| 134                    | 1 | 3  | 48 | 1816. | 1816. |
| 135                    | 1 | 3  | 49 | 1816. | 1816. |
| 136                    | 1 | 3  | 50 | 1815. | 1815. |
| 137                    | 1 | 3  | 51 | 1814. | 1814. |
| 138                    | 1 | 3  | 52 | 1814. | 1814. |
| 139                    | 1 | 3  | 53 | 1813. | 1813. |
| 140                    | 1 | 3  | 54 | 122.0 | 122.0 |
| 141                    | 1 | 2  | 14 | 1294. | 1294. |
| 142                    | 1 | 2  | 15 | 615.3 | 615.3 |
| 143                    | 1 | 3  | 15 | 1835. | 1835. |
| 144                    | 1 | 4  | 15 | 1836. | 1836. |
| 145                    | 1 | 4  | 16 | 1836. | 1836. |
| 146                    | 1 | 5  | 16 | 1836. | 1836. |
| 147                    | 1 | 6  | 16 | 1836. | 1836. |
| 148                    | 1 | 6  | 17 | 1837. | 1837. |
| 149                    | 1 | 7  | 17 | 1837. | 1837. |
| 150                    | 1 | 8  | 17 | 1837. | 1837. |
| 151                    | 1 | 8  | 18 | 1837. | 1837. |
| 152                    | 1 | 9  | 18 | 1838. | 1838. |
| 153                    | 1 | 9  | 19 | 1838. | 1838. |
| 154                    | 1 | 10 | 19 | 1838. | 1838. |
| 155                    | 1 | 11 | 19 | 1838. | 1838. |
| 156                    | 1 | 11 | 20 | 1838. | 1838. |
| 157                    | 1 | 12 | 20 | 1839. | 1839. |
| 158                    | 1 | 13 | 20 | 1839. | 1839. |

North\_Trend\_May-10.out

|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 159 | 1 | 13 | 21 | 1839. | 1839. |
| 160 | 1 | 14 | 21 | 1839. | 1839. |
| 161 | 1 | 15 | 21 | 1840. | 1840. |
| 162 | 1 | 15 | 22 | 1840. | 1840. |
| 163 | 1 | 16 | 22 | 1840. | 1840. |
| 164 | 1 | 17 | 22 | 1840. | 1840. |
| 165 | 1 | 17 | 23 | 1840. | 1840. |
| 166 | 1 | 18 | 23 | 1841. | 1841. |
| 167 | 1 | 18 | 24 | 1841. | 1841. |
| 168 | 1 | 19 | 24 | 1841. | 1841. |
| 169 | 1 | 20 | 24 | 1841. | 1841. |
| 170 | 1 | 20 | 25 | 1842. | 1842. |
| 171 | 1 | 21 | 25 | 1842. | 1842. |
| 172 | 1 | 22 | 25 | 1842. | 1842. |
| 173 | 1 | 22 | 26 | 1842. | 1842. |
| 174 | 1 | 23 | 26 | 1842. | 1842. |
| 175 | 1 | 24 | 26 | 1843. | 1843. |
| 176 | 1 | 24 | 27 | 1771. | 1771. |
| 177 | 1 | 87 | 36 | 93.94 | 93.94 |
| 178 | 1 | 88 | 36 | 1847. | 1847. |
| 179 | 1 | 88 | 37 | 1847. | 1847. |
| 180 | 1 | 89 | 37 | 1846. | 1846. |
| 181 | 1 | 89 | 38 | 1846. | 1846. |
| 182 | 1 | 90 | 38 | 1846. | 1846. |
| 183 | 1 | 90 | 39 | 1845. | 1845. |
| 184 | 1 | 91 | 39 | 1845. | 1845. |
| 185 | 1 | 91 | 40 | 1845. | 1845. |
| 186 | 1 | 92 | 40 | 1844. | 1844. |
| 187 | 1 | 92 | 41 | 1844. | 1844. |
| 188 | 1 | 93 | 41 | 1843. | 1843. |
| 189 | 1 | 93 | 42 | 1843. | 1843. |
| 190 | 1 | 94 | 42 | 1843. | 1843. |
| 191 | 1 | 94 | 43 | 1842. | 1842. |
| 192 | 1 | 95 | 43 | 1842. | 1842. |
| 193 | 1 | 95 | 44 | 1842. | 1842. |
| 194 | 1 | 96 | 44 | 1841. | 1841. |
| 195 | 1 | 96 | 45 | 1841. | 1841. |
| 196 | 1 | 97 | 45 | 1841. | 1841. |
| 197 | 1 | 97 | 46 | 696.2 | 696.2 |
| 198 | 1 | 18 | 74 | 1782. | 1782. |
| 199 | 1 | 19 | 74 | 1809. | 1809. |
| 200 | 1 | 19 | 75 | 1809. | 1809. |
| 201 | 1 | 20 | 75 | 1808. | 1808. |
| 202 | 1 | 21 | 75 | 1807. | 1807. |
| 203 | 1 | 21 | 76 | 1807. | 1807. |
| 204 | 1 | 22 | 76 | 1806. | 1806. |
| 205 | 1 | 22 | 77 | 1806. | 1806. |
| 206 | 1 | 23 | 77 | 1805. | 1805. |
| 207 | 1 | 24 | 77 | 1804. | 1804. |
| 208 | 1 | 24 | 78 | 1804. | 1804. |
| 209 | 1 | 25 | 78 | 1803. | 1803. |
| 210 | 1 | 25 | 79 | 1803. | 1803. |
| 211 | 1 | 26 | 79 | 1802. | 1802. |
| 212 | 1 | 27 | 79 | 1802. | 1802. |
| 213 | 1 | 27 | 80 | 1801. | 1801. |
| 214 | 1 | 28 | 80 | 1800. | 1800. |
| 215 | 1 | 29 | 80 | 1800. | 1800. |
| 216 | 1 | 29 | 81 | 1799. | 1799. |
| 217 | 1 | 30 | 81 | 1799. | 1799. |
| 218 | 1 | 30 | 82 | 1798. | 1798. |
| 219 | 1 | 31 | 82 | 1798. | 1798. |
| 220 | 1 | 32 | 82 | 1797. | 1797. |
| 221 | 1 | 32 | 83 | 1797. | 1797. |

North\_Trend\_May-10.out

|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 222 | 1 | 33 | 83 | 1796. | 1796. |
| 223 | 1 | 33 | 84 | 1795. | 1795. |
| 224 | 1 | 34 | 84 | 1795. | 1795. |
| 225 | 1 | 35 | 84 | 1794. | 1794. |
| 226 | 1 | 35 | 85 | 1794. | 1794. |
| 227 | 1 | 36 | 85 | 1793. | 1793. |
| 228 | 1 | 36 | 86 | 1793. | 1793. |
| 229 | 1 | 37 | 86 | 1792. | 1792. |
| 230 | 1 | 38 | 86 | 1791. | 1791. |
| 231 | 1 | 38 | 87 | 1791. | 1791. |
| 232 | 1 | 39 | 87 | 1790. | 1790. |
| 233 | 1 | 39 | 88 | 1790. | 1790. |
| 234 | 1 | 40 | 88 | 1789. | 1789. |
| 235 | 1 | 41 | 88 | 1788. | 1788. |
| 236 | 1 | 41 | 89 | 1788. | 1788. |
| 237 | 1 | 42 | 89 | 1787. | 1787. |
| 238 | 1 | 42 | 90 | 1787. | 1787. |
| 239 | 1 | 43 | 90 | 1786. | 1786. |
| 240 | 1 | 44 | 90 | 1786. | 1786. |
| 241 | 1 | 44 | 91 | 1785. | 1785. |
| 242 | 1 | 45 | 91 | 1784. | 1784. |
| 243 | 1 | 45 | 92 | 1784. | 1784. |
| 244 | 1 | 46 | 92 | 1783. | 1783. |
| 245 | 1 | 47 | 92 | 672.9 | 672.9 |
| 246 | 1 | 47 | 93 | 1092. | 1092. |
| 247 | 1 | 66 | 28 | 995.9 | 995.9 |
| 248 | 1 | 66 | 29 | 1840. | 1840. |
| 249 | 1 | 66 | 30 | 1840. | 1840. |
| 250 | 1 | 66 | 31 | 1841. | 1841. |
| 251 | 1 | 66 | 32 | 1841. | 1841. |
| 252 | 1 | 66 | 33 | 1841. | 1841. |
| 253 | 1 | 66 | 34 | 1841. | 1841. |
| 254 | 1 | 66 | 35 | 1842. | 1842. |
| 255 | 1 | 66 | 36 | 1842. | 1842. |
| 256 | 1 | 66 | 37 | 1842. | 1842. |
| 257 | 1 | 67 | 37 | 1842. | 1842. |
| 258 | 1 | 68 | 37 | 1843. | 1843. |
| 259 | 1 | 69 | 37 | 1843. | 1843. |
| 260 | 1 | 70 | 37 | 1843. | 1843. |
| 261 | 1 | 71 | 37 | 1843. | 1843. |
| 262 | 1 | 72 | 37 | 1844. | 1844. |
| 263 | 1 | 72 | 36 | 1844. | 1844. |
| 264 | 1 | 73 | 36 | 1844. | 1844. |
| 265 | 1 | 74 | 36 | 1844. | 1844. |
| 266 | 1 | 75 | 36 | 1845. | 1845. |
| 267 | 1 | 76 | 36 | 1845. | 1845. |
| 268 | 1 | 77 | 36 | 1845. | 1845. |
| 269 | 1 | 78 | 36 | 1845. | 1845. |
| 270 | 1 | 79 | 36 | 1846. | 1846. |
| 271 | 1 | 80 | 36 | 1846. | 1846. |
| 272 | 1 | 81 | 36 | 1846. | 1846. |
| 273 | 1 | 82 | 36 | 1847. | 1847. |
| 274 | 1 | 83 | 36 | 1735. | 1735. |
| 275 | 1 | 24 | 27 | 72.26 | 72.26 |
| 276 | 1 | 25 | 27 | 1843. | 1843. |
| 277 | 1 | 26 | 27 | 1843. | 1843. |
| 278 | 1 | 26 | 28 | 1843. | 1843. |
| 279 | 1 | 27 | 28 | 1843. | 1843. |
| 280 | 1 | 27 | 29 | 1843. | 1843. |
| 281 | 1 | 28 | 29 | 1843. | 1843. |
| 282 | 1 | 29 | 29 | 1843. | 1843. |
| 283 | 1 | 29 | 30 | 1843. | 1843. |
| 284 | 1 | 30 | 30 | 1843. | 1843. |

North\_Trend\_May-10.out

|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 285 | 1 | 31 | 30 | 1842. | 1842. |
| 286 | 1 | 32 | 30 | 1842. | 1842. |
| 287 | 1 | 33 | 30 | 1842. | 1842. |
| 288 | 1 | 34 | 30 | 1842. | 1842. |
| 289 | 1 | 35 | 30 | 1842. | 1842. |
| 290 | 1 | 36 | 30 | 1842. | 1842. |
| 291 | 1 | 37 | 30 | 1842. | 1842. |
| 292 | 1 | 38 | 30 | 1842. | 1842. |
| 293 | 1 | 39 | 30 | 1842. | 1842. |
| 294 | 1 | 40 | 30 | 1842. | 1842. |
| 295 | 1 | 41 | 30 | 1842. | 1842. |
| 296 | 1 | 42 | 30 | 1842. | 1842. |
| 297 | 1 | 43 | 30 | 1842. | 1842. |
| 298 | 1 | 44 | 30 | 1842. | 1842. |
| 299 | 1 | 45 | 30 | 1842. | 1842. |
| 300 | 1 | 45 | 29 | 1841. | 1841. |
| 301 | 1 | 46 | 29 | 1841. | 1841. |
| 302 | 1 | 47 | 29 | 1841. | 1841. |
| 303 | 1 | 48 | 29 | 1841. | 1841. |
| 304 | 1 | 49 | 29 | 1841. | 1841. |
| 305 | 1 | 50 | 29 | 1841. | 1841. |
| 306 | 1 | 51 | 29 | 1841. | 1841. |
| 307 | 1 | 52 | 29 | 1841. | 1841. |
| 308 | 1 | 53 | 29 | 1841. | 1841. |
| 309 | 1 | 54 | 29 | 1841. | 1841. |
| 310 | 1 | 55 | 29 | 1841. | 1841. |
| 311 | 1 | 56 | 29 | 1841. | 1841. |
| 312 | 1 | 57 | 29 | 1841. | 1841. |
| 313 | 1 | 58 | 29 | 1841. | 1841. |
| 314 | 1 | 59 | 29 | 1840. | 1840. |
| 315 | 1 | 60 | 29 | 1840. | 1840. |
| 316 | 1 | 61 | 29 | 1840. | 1840. |
| 317 | 1 | 61 | 28 | 1840. | 1840. |
| 318 | 1 | 62 | 28 | 1840. | 1840. |
| 319 | 1 | 63 | 28 | 1840. | 1840. |
| 320 | 1 | 64 | 28 | 1840. | 1840. |
| 321 | 1 | 65 | 28 | 1840. | 1840. |
| 322 | 1 | 66 | 28 | 844.1 | 844.1 |
| 323 | 1 | 3  | 54 | 1691. | 1691. |
| 324 | 1 | 3  | 55 | 1813. | 1813. |
| 325 | 1 | 3  | 56 | 1813. | 1813. |
| 326 | 1 | 3  | 57 | 1813. | 1813. |
| 327 | 1 | 4  | 57 | 1813. | 1813. |
| 328 | 1 | 5  | 57 | 1813. | 1813. |
| 329 | 1 | 6  | 57 | 1812. | 1812. |
| 330 | 1 | 7  | 57 | 1812. | 1812. |
| 331 | 1 | 8  | 57 | 1812. | 1812. |
| 332 | 1 | 9  | 57 | 1812. | 1812. |
| 333 | 1 | 10 | 57 | 1812. | 1812. |
| 334 | 1 | 11 | 57 | 1812. | 1812. |
| 335 | 1 | 12 | 57 | 1812. | 1812. |
| 336 | 1 | 13 | 57 | 1812. | 1812. |
| 337 | 1 | 13 | 56 | 1812. | 1812. |
| 338 | 1 | 14 | 56 | 1812. | 1812. |
| 339 | 1 | 15 | 56 | 1812. | 1812. |
| 340 | 1 | 16 | 56 | 1811. | 1811. |
| 341 | 1 | 17 | 56 | 1811. | 1811. |
| 342 | 1 | 17 | 57 | 1811. | 1811. |
| 343 | 1 | 17 | 58 | 1811. | 1811. |
| 344 | 1 | 17 | 59 | 1811. | 1811. |
| 345 | 1 | 17 | 60 | 1811. | 1811. |
| 346 | 1 | 17 | 61 | 1811. | 1811. |
| 347 | 1 | 17 | 62 | 1811. | 1811. |

North\_Trend\_May-10.out

|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 348 | 1 | 17 | 63 | 1811. | 1811. |
| 349 | 1 | 17 | 64 | 1811. | 1811. |
| 350 | 1 | 17 | 65 | 1811. | 1811. |
| 351 | 1 | 17 | 66 | 1811. | 1811. |
| 352 | 1 | 17 | 67 | 1811. | 1811. |
| 353 | 1 | 18 | 67 | 1810. | 1810. |
| 354 | 1 | 18 | 68 | 1810. | 1810. |
| 355 | 1 | 18 | 69 | 1810. | 1810. |
| 356 | 1 | 18 | 70 | 1810. | 1810. |
| 357 | 1 | 18 | 71 | 1810. | 1810. |
| 358 | 1 | 18 | 72 | 1810. | 1810. |
| 359 | 1 | 18 | 73 | 1810. | 1810. |
| 360 | 1 | 18 | 74 | 27.60 | 27.60 |
| 361 | 1 | 83 | 36 | 112.0 | 112.0 |
| 362 | 1 | 84 | 36 | 1847. | 1847. |
| 363 | 1 | 85 | 36 | 1847. | 1847. |
| 364 | 1 | 86 | 36 | 1847. | 1847. |
| 365 | 1 | 87 | 36 | 1754. | 1754. |
| 366 | 1 | 87 | 46 | 1695. | 1695. |
| 367 | 1 | 88 | 46 | 1846. | 1846. |
| 368 | 1 | 89 | 46 | 1845. | 1845. |
| 369 | 1 | 90 | 46 | 1844. | 1844. |
| 370 | 1 | 91 | 46 | 1844. | 1844. |
| 371 | 1 | 92 | 46 | 1843. | 1843. |
| 372 | 1 | 93 | 46 | 1843. | 1843. |
| 373 | 1 | 94 | 46 | 1842. | 1842. |
| 374 | 1 | 95 | 46 | 1841. | 1841. |
| 375 | 1 | 96 | 46 | 1841. | 1841. |
| 376 | 1 | 97 | 46 | 1144. | 1144. |
| 377 | 1 | 47 | 93 | 701.2 | 701.2 |
| 378 | 1 | 47 | 92 | 1127. | 1127. |
| 379 | 1 | 48 | 92 | 1810. | 1810. |
| 380 | 1 | 48 | 91 | 1810. | 1810. |
| 381 | 1 | 48 | 90 | 1810. | 1810. |
| 382 | 1 | 49 | 90 | 1810. | 1810. |
| 383 | 1 | 49 | 89 | 1810. | 1810. |
| 384 | 1 | 50 | 89 | 1810. | 1810. |
| 385 | 1 | 50 | 88 | 1810. | 1810. |
| 386 | 1 | 51 | 88 | 1810. | 1810. |
| 387 | 1 | 51 | 87 | 1810. | 1810. |
| 388 | 1 | 51 | 86 | 1810. | 1810. |
| 389 | 1 | 52 | 86 | 1810. | 1810. |
| 390 | 1 | 52 | 85 | 1810. | 1810. |
| 391 | 1 | 53 | 85 | 1810. | 1810. |
| 392 | 1 | 53 | 84 | 1810. | 1810. |
| 393 | 1 | 53 | 83 | 1810. | 1810. |
| 394 | 1 | 54 | 83 | 1810. | 1810. |
| 395 | 1 | 54 | 82 | 1810. | 1810. |
| 396 | 1 | 55 | 82 | 1810. | 1810. |
| 397 | 1 | 55 | 81 | 1810. | 1810. |
| 398 | 1 | 56 | 81 | 1810. | 1810. |
| 399 | 1 | 57 | 81 | 1810. | 1810. |
| 400 | 1 | 58 | 81 | 1810. | 1810. |
| 401 | 1 | 59 | 81 | 1810. | 1810. |
| 402 | 1 | 60 | 81 | 1810. | 1810. |
| 403 | 1 | 61 | 81 | 1810. | 1810. |
| 404 | 1 | 62 | 81 | 1810. | 1810. |
| 405 | 1 | 63 | 81 | 1810. | 1810. |
| 406 | 1 | 64 | 81 | 1810. | 1810. |
| 407 | 1 | 65 | 81 | 1810. | 1810. |
| 408 | 1 | 66 | 81 | 1810. | 1810. |
| 409 | 1 | 67 | 81 | 1810. | 1810. |
| 410 | 1 | 68 | 81 | 1810. | 1810. |

North\_Trend\_May-10.out

|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 411 | 1 | 69 | 81 | 1810. | 1810. |
| 412 | 1 | 70 | 81 | 1810. | 1810. |
| 413 | 1 | 70 | 80 | 1810. | 1810. |
| 414 | 1 | 71 | 80 | 1810. | 1810. |
| 415 | 1 | 72 | 80 | 1810. | 1810. |
| 416 | 1 | 73 | 80 | 1810. | 1810. |
| 417 | 1 | 73 | 79 | 1810. | 1810. |
| 418 | 1 | 73 | 78 | 1810. | 1810. |
| 419 | 1 | 74 | 78 | 1810. | 1810. |
| 420 | 1 | 74 | 77 | 1810. | 1810. |
| 421 | 1 | 74 | 76 | 1810. | 1810. |
| 422 | 1 | 74 | 75 | 1810. | 1810. |
| 423 | 1 | 75 | 75 | 1810. | 1810. |
| 424 | 1 | 75 | 74 | 1810. | 1810. |
| 425 | 1 | 75 | 73 | 1810. | 1810. |
| 426 | 1 | 76 | 73 | 1810. | 1810. |
| 427 | 1 | 76 | 72 | 1810. | 1810. |
| 428 | 1 | 76 | 71 | 1810. | 1810. |
| 429 | 1 | 77 | 71 | 1810. | 1810. |
| 430 | 1 | 77 | 70 | 1810. | 1810. |
| 431 | 1 | 77 | 69 | 1810. | 1810. |
| 432 | 1 | 77 | 68 | 1810. | 1810. |
| 433 | 1 | 77 | 67 | 1810. | 1810. |
| 434 | 1 | 76 | 67 | 1810. | 1810. |
| 435 | 1 | 76 | 66 | 1810. | 1810. |
| 436 | 1 | 75 | 66 | 1810. | 1810. |
| 437 | 1 | 75 | 65 | 1810. | 1810. |
| 438 | 1 | 74 | 65 | 1810. | 1810. |
| 439 | 1 | 73 | 65 | 1810. | 1810. |
| 440 | 1 | 73 | 64 | 1810. | 1810. |
| 441 | 1 | 72 | 64 | 1810. | 1810. |
| 442 | 1 | 72 | 63 | 1810. | 1810. |
| 443 | 1 | 72 | 62 | 1810. | 1810. |
| 444 | 1 | 73 | 62 | 1810. | 1810. |
| 445 | 1 | 73 | 61 | 1810. | 1810. |
| 446 | 1 | 74 | 61 | 1810. | 1810. |
| 447 | 1 | 75 | 61 | 1810. | 1810. |
| 448 | 1 | 76 | 61 | 1810. | 1810. |
| 449 | 1 | 76 | 60 | 1810. | 1810. |
| 450 | 1 | 77 | 60 | 1810. | 1810. |
| 451 | 1 | 78 | 60 | 1810. | 1810. |
| 452 | 1 | 78 | 59 | 1810. | 1810. |
| 453 | 1 | 79 | 59 | 1810. | 1810. |
| 454 | 1 | 80 | 59 | 1810. | 1810. |
| 455 | 1 | 81 | 59 | 1810. | 1810. |
| 456 | 1 | 81 | 58 | 1810. | 1810. |
| 457 | 1 | 82 | 58 | 1810. | 1810. |
| 458 | 1 | 83 | 58 | 1810. | 1810. |
| 459 | 1 | 83 | 57 | 1810. | 1810. |
| 460 | 1 | 84 | 57 | 1810. | 1810. |
| 461 | 1 | 84 | 56 | 1810. | 1810. |
| 462 | 1 | 84 | 55 | 1810. | 1810. |
| 463 | 1 | 85 | 55 | 1810. | 1810. |
| 464 | 1 | 85 | 54 | 1810. | 1810. |
| 465 | 1 | 85 | 53 | 1810. | 1810. |
| 466 | 1 | 85 | 52 | 1810. | 1810. |
| 467 | 1 | 85 | 51 | 1810. | 1810. |
| 468 | 1 | 86 | 51 | 1810. | 1810. |
| 469 | 1 | 86 | 50 | 1810. | 1810. |
| 470 | 1 | 86 | 49 | 1810. | 1810. |
| 471 | 1 | 86 | 48 | 1810. | 1810. |
| 472 | 1 | 86 | 47 | 1810. | 1810. |
| 473 | 1 | 87 | 47 | 1810. | 1810. |



North\_Trend\_May-10.out

|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 474 | 1 | 87 | 46 | 148.7 | 148.7 |
| 475 | 1 | 2  | 14 | 533.9 | 533.9 |
| 476 | 1 | 2  | 15 | 1203. | 1203. |
| 477 | 1 | 2  | 16 | 1810. | 1810. |
| 478 | 1 | 2  | 17 | 1810. | 1810. |
| 479 | 1 | 2  | 18 | 1810. | 1810. |
| 480 | 1 | 2  | 19 | 1810. | 1810. |
| 481 | 1 | 2  | 20 | 1810. | 1810. |
| 482 | 1 | 2  | 21 | 1810. | 1810. |
| 483 | 1 | 2  | 22 | 1810. | 1810. |
| 484 | 1 | 2  | 23 | 1810. | 1810. |
| 485 | 1 | 2  | 24 | 1810. | 1810. |
| 486 | 1 | 2  | 25 | 1810. | 1810. |
| 487 | 1 | 2  | 26 | 1810. | 1810. |
| 488 | 1 | 2  | 27 | 1810. | 1810. |
| 489 | 1 | 2  | 28 | 1810. | 1810. |
| 490 | 1 | 2  | 29 | 1810. | 1810. |
| 491 | 1 | 2  | 30 | 1810. | 1810. |
| 492 | 1 | 2  | 31 | 1810. | 1810. |
| 493 | 1 | 2  | 32 | 1810. | 1810. |
| 494 | 1 | 2  | 33 | 1810. | 1810. |
| 495 | 1 | 2  | 34 | 1810. | 1810. |
| 496 | 1 | 3  | 34 | 1810. | 1810. |
| 497 | 1 | 3  | 35 | 1810. | 1810. |
| 498 | 1 | 3  | 36 | 1810. | 1810. |
| 499 | 1 | 3  | 37 | 1810. | 1810. |
| 500 | 1 | 3  | 38 | 1810. | 1810. |
| 501 | 1 | 3  | 39 | 1810. | 1810. |
| 502 | 1 | 3  | 40 | 1810. | 1810. |
| 503 | 1 | 3  | 41 | 1810. | 1810. |
| 504 | 1 | 3  | 42 | 1810. | 1810. |
| 505 | 1 | 3  | 43 | 1810. | 1810. |
| 506 | 1 | 3  | 44 | 1810. | 1810. |
| 507 | 1 | 3  | 45 | 1810. | 1810. |
| 508 | 1 | 3  | 46 | 1810. | 1810. |
| 509 | 1 | 3  | 47 | 1810. | 1810. |
| 510 | 1 | 3  | 48 | 1810. | 1810. |
| 511 | 1 | 3  | 49 | 1810. | 1810. |
| 512 | 1 | 3  | 50 | 1810. | 1810. |
| 513 | 1 | 3  | 51 | 1810. | 1810. |
| 514 | 1 | 3  | 52 | 1810. | 1810. |
| 515 | 1 | 3  | 53 | 1810. | 1810. |
| 516 | 1 | 3  | 54 | 121.8 | 121.8 |
| 517 | 1 | 2  | 14 | 1276. | 1276. |
| 518 | 1 | 2  | 15 | 606.8 | 606.8 |
| 519 | 1 | 3  | 15 | 1810. | 1810. |
| 520 | 1 | 4  | 15 | 1810. | 1810. |
| 521 | 1 | 4  | 16 | 1810. | 1810. |
| 522 | 1 | 5  | 16 | 1810. | 1810. |
| 523 | 1 | 6  | 16 | 1810. | 1810. |
| 524 | 1 | 6  | 17 | 1810. | 1810. |
| 525 | 1 | 7  | 17 | 1810. | 1810. |
| 526 | 1 | 8  | 17 | 1810. | 1810. |
| 527 | 1 | 8  | 18 | 1810. | 1810. |
| 528 | 1 | 9  | 18 | 1810. | 1810. |
| 529 | 1 | 9  | 19 | 1810. | 1810. |
| 530 | 1 | 10 | 19 | 1810. | 1810. |
| 531 | 1 | 11 | 19 | 1810. | 1810. |
| 532 | 1 | 11 | 20 | 1810. | 1810. |
| 533 | 1 | 12 | 20 | 1810. | 1810. |
| 534 | 1 | 13 | 20 | 1810. | 1810. |
| 535 | 1 | 13 | 21 | 1810. | 1810. |
| 536 | 1 | 14 | 21 | 1810. | 1810. |

North\_Trend\_May-10.out

|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 537 | 1 | 15 | 21 | 1810. | 1810. |
| 538 | 1 | 15 | 22 | 1810. | 1810. |
| 539 | 1 | 16 | 22 | 1810. | 1810. |
| 540 | 1 | 17 | 22 | 1810. | 1810. |
| 541 | 1 | 17 | 23 | 1810. | 1810. |
| 542 | 1 | 18 | 23 | 1810. | 1810. |
| 543 | 1 | 18 | 24 | 1810. | 1810. |
| 544 | 1 | 19 | 24 | 1810. | 1810. |
| 545 | 1 | 20 | 24 | 1810. | 1810. |
| 546 | 1 | 20 | 25 | 1810. | 1810. |
| 547 | 1 | 21 | 25 | 1810. | 1810. |
| 548 | 1 | 22 | 25 | 1810. | 1810. |
| 549 | 1 | 22 | 26 | 1810. | 1810. |
| 550 | 1 | 23 | 26 | 1810. | 1810. |
| 551 | 1 | 24 | 26 | 1810. | 1810. |
| 552 | 1 | 24 | 27 | 1739. | 1739. |
| 553 | 1 | 87 | 36 | 92.03 | 92.03 |
| 554 | 1 | 88 | 36 | 1810. | 1810. |
| 555 | 1 | 88 | 37 | 1810. | 1810. |
| 556 | 1 | 89 | 37 | 1810. | 1810. |
| 557 | 1 | 89 | 38 | 1810. | 1810. |
| 558 | 1 | 90 | 38 | 1810. | 1810. |
| 559 | 1 | 90 | 39 | 1810. | 1810. |
| 560 | 1 | 91 | 39 | 1810. | 1810. |
| 561 | 1 | 91 | 40 | 1810. | 1810. |
| 562 | 1 | 92 | 40 | 1810. | 1810. |
| 563 | 1 | 92 | 41 | 1810. | 1810. |
| 564 | 1 | 93 | 41 | 1810. | 1810. |
| 565 | 1 | 93 | 42 | 1810. | 1810. |
| 566 | 1 | 94 | 42 | 1810. | 1810. |
| 567 | 1 | 94 | 43 | 1810. | 1810. |
| 568 | 1 | 95 | 43 | 1810. | 1810. |
| 569 | 1 | 95 | 44 | 1810. | 1810. |
| 570 | 1 | 96 | 44 | 1810. | 1810. |
| 571 | 1 | 96 | 45 | 1810. | 1810. |
| 572 | 1 | 97 | 45 | 1810. | 1810. |
| 573 | 1 | 97 | 46 | 684.8 | 684.8 |
| 574 | 1 | 18 | 74 | 1782. | 1782. |
| 575 | 1 | 19 | 74 | 1810. | 1810. |
| 576 | 1 | 19 | 75 | 1810. | 1810. |
| 577 | 1 | 20 | 75 | 1810. | 1810. |
| 578 | 1 | 21 | 75 | 1810. | 1810. |
| 579 | 1 | 21 | 76 | 1810. | 1810. |
| 580 | 1 | 22 | 76 | 1810. | 1810. |
| 581 | 1 | 22 | 77 | 1810. | 1810. |
| 582 | 1 | 23 | 77 | 1810. | 1810. |
| 583 | 1 | 24 | 77 | 1810. | 1810. |
| 584 | 1 | 24 | 78 | 1810. | 1810. |
| 585 | 1 | 25 | 78 | 1810. | 1810. |
| 586 | 1 | 25 | 79 | 1810. | 1810. |
| 587 | 1 | 26 | 79 | 1810. | 1810. |
| 588 | 1 | 27 | 79 | 1810. | 1810. |
| 589 | 1 | 27 | 80 | 1810. | 1810. |
| 590 | 1 | 28 | 80 | 1810. | 1810. |
| 591 | 1 | 29 | 80 | 1810. | 1810. |
| 592 | 1 | 29 | 81 | 1810. | 1810. |
| 593 | 1 | 30 | 81 | 1810. | 1810. |
| 594 | 1 | 30 | 82 | 1810. | 1810. |
| 595 | 1 | 31 | 82 | 1810. | 1810. |
| 596 | 1 | 32 | 82 | 1810. | 1810. |
| 597 | 1 | 32 | 83 | 1810. | 1810. |
| 598 | 1 | 33 | 83 | 1810. | 1810. |
| 599 | 1 | 33 | 84 | 1810. | 1810. |

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|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 600 | 1 | 34 | 84 | 1810. | 1810. |
| 601 | 1 | 35 | 84 | 1810. | 1810. |
| 602 | 1 | 35 | 85 | 1810. | 1810. |
| 603 | 1 | 36 | 85 | 1810. | 1810. |
| 604 | 1 | 36 | 86 | 1810. | 1810. |
| 605 | 1 | 37 | 86 | 1810. | 1810. |
| 606 | 1 | 38 | 86 | 1810. | 1810. |
| 607 | 1 | 38 | 87 | 1810. | 1810. |
| 608 | 1 | 39 | 87 | 1810. | 1810. |
| 609 | 1 | 39 | 88 | 1810. | 1810. |
| 610 | 1 | 40 | 88 | 1810. | 1810. |
| 611 | 1 | 41 | 88 | 1810. | 1810. |
| 612 | 1 | 41 | 89 | 1810. | 1810. |
| 613 | 1 | 42 | 89 | 1810. | 1810. |
| 614 | 1 | 42 | 90 | 1810. | 1810. |
| 615 | 1 | 43 | 90 | 1810. | 1810. |
| 616 | 1 | 44 | 90 | 1810. | 1810. |
| 617 | 1 | 44 | 91 | 1810. | 1810. |
| 618 | 1 | 45 | 91 | 1810. | 1810. |
| 619 | 1 | 45 | 92 | 1810. | 1810. |
| 620 | 1 | 46 | 92 | 1810. | 1810. |
| 621 | 1 | 47 | 92 | 683.2 | 683.2 |
| 622 | 1 | 47 | 93 | 1109. | 1109. |
| 623 | 1 | 66 | 28 | 979.7 | 979.7 |
| 624 | 1 | 66 | 29 | 1810. | 1810. |
| 625 | 1 | 66 | 30 | 1810. | 1810. |
| 626 | 1 | 66 | 31 | 1810. | 1810. |
| 627 | 1 | 66 | 32 | 1810. | 1810. |
| 628 | 1 | 66 | 33 | 1810. | 1810. |
| 629 | 1 | 66 | 34 | 1810. | 1810. |
| 630 | 1 | 66 | 35 | 1810. | 1810. |
| 631 | 1 | 66 | 36 | 1810. | 1810. |
| 632 | 1 | 66 | 37 | 1810. | 1810. |
| 633 | 1 | 67 | 37 | 1810. | 1810. |
| 634 | 1 | 68 | 37 | 1810. | 1810. |
| 635 | 1 | 69 | 37 | 1810. | 1810. |
| 636 | 1 | 70 | 37 | 1810. | 1810. |
| 637 | 1 | 71 | 37 | 1810. | 1810. |
| 638 | 1 | 72 | 37 | 1810. | 1810. |
| 639 | 1 | 72 | 36 | 1810. | 1810. |
| 640 | 1 | 73 | 36 | 1810. | 1810. |
| 641 | 1 | 74 | 36 | 1810. | 1810. |
| 642 | 1 | 75 | 36 | 1810. | 1810. |
| 643 | 1 | 76 | 36 | 1810. | 1810. |
| 644 | 1 | 77 | 36 | 1810. | 1810. |
| 645 | 1 | 78 | 36 | 1810. | 1810. |
| 646 | 1 | 79 | 36 | 1810. | 1810. |
| 647 | 1 | 80 | 36 | 1810. | 1810. |
| 648 | 1 | 81 | 36 | 1810. | 1810. |
| 649 | 1 | 82 | 36 | 1810. | 1810. |
| 650 | 1 | 83 | 36 | 1700. | 1700. |
| 651 | 1 | 24 | 27 | 70.96 | 70.96 |
| 652 | 1 | 25 | 27 | 1810. | 1810. |
| 653 | 1 | 26 | 27 | 1810. | 1810. |
| 654 | 1 | 26 | 28 | 1810. | 1810. |
| 655 | 1 | 27 | 28 | 1810. | 1810. |
| 656 | 1 | 27 | 29 | 1810. | 1810. |
| 657 | 1 | 28 | 29 | 1810. | 1810. |
| 658 | 1 | 29 | 29 | 1810. | 1810. |
| 659 | 1 | 29 | 30 | 1810. | 1810. |
| 660 | 1 | 30 | 30 | 1810. | 1810. |
| 661 | 1 | 31 | 30 | 1810. | 1810. |
| 662 | 1 | 32 | 30 | 1810. | 1810. |

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|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 663 | 1 | 33 | 30 | 1810. | 1810. |
| 664 | 1 | 34 | 30 | 1810. | 1810. |
| 665 | 1 | 35 | 30 | 1810. | 1810. |
| 666 | 1 | 36 | 30 | 1810. | 1810. |
| 667 | 1 | 37 | 30 | 1810. | 1810. |
| 668 | 1 | 38 | 30 | 1810. | 1810. |
| 669 | 1 | 39 | 30 | 1810. | 1810. |
| 670 | 1 | 40 | 30 | 1810. | 1810. |
| 671 | 1 | 41 | 30 | 1810. | 1810. |
| 672 | 1 | 42 | 30 | 1810. | 1810. |
| 673 | 1 | 43 | 30 | 1810. | 1810. |
| 674 | 1 | 44 | 30 | 1810. | 1810. |
| 675 | 1 | 45 | 30 | 1810. | 1810. |
| 676 | 1 | 45 | 29 | 1810. | 1810. |
| 677 | 1 | 46 | 29 | 1810. | 1810. |
| 678 | 1 | 47 | 29 | 1810. | 1810. |
| 679 | 1 | 48 | 29 | 1810. | 1810. |
| 680 | 1 | 49 | 29 | 1810. | 1810. |
| 681 | 1 | 50 | 29 | 1810. | 1810. |
| 682 | 1 | 51 | 29 | 1810. | 1810. |
| 683 | 1 | 52 | 29 | 1810. | 1810. |
| 684 | 1 | 53 | 29 | 1810. | 1810. |
| 685 | 1 | 54 | 29 | 1810. | 1810. |
| 686 | 1 | 55 | 29 | 1810. | 1810. |
| 687 | 1 | 56 | 29 | 1810. | 1810. |
| 688 | 1 | 57 | 29 | 1810. | 1810. |
| 689 | 1 | 58 | 29 | 1810. | 1810. |
| 690 | 1 | 59 | 29 | 1810. | 1810. |
| 691 | 1 | 60 | 29 | 1810. | 1810. |
| 692 | 1 | 61 | 29 | 1810. | 1810. |
| 693 | 1 | 61 | 28 | 1810. | 1810. |
| 694 | 1 | 62 | 28 | 1810. | 1810. |
| 695 | 1 | 63 | 28 | 1810. | 1810. |
| 696 | 1 | 64 | 28 | 1810. | 1810. |
| 697 | 1 | 65 | 28 | 1810. | 1810. |
| 698 | 1 | 66 | 28 | 830.3 | 830.3 |
| 699 | 1 | 3  | 54 | 1688. | 1688. |
| 700 | 1 | 3  | 55 | 1810. | 1810. |
| 701 | 1 | 3  | 56 | 1810. | 1810. |
| 702 | 1 | 3  | 57 | 1810. | 1810. |
| 703 | 1 | 4  | 57 | 1810. | 1810. |
| 704 | 1 | 5  | 57 | 1810. | 1810. |
| 705 | 1 | 6  | 57 | 1810. | 1810. |
| 706 | 1 | 7  | 57 | 1810. | 1810. |
| 707 | 1 | 8  | 57 | 1810. | 1810. |
| 708 | 1 | 9  | 57 | 1810. | 1810. |
| 709 | 1 | 10 | 57 | 1810. | 1810. |
| 710 | 1 | 11 | 57 | 1810. | 1810. |
| 711 | 1 | 12 | 57 | 1810. | 1810. |
| 712 | 1 | 13 | 57 | 1810. | 1810. |
| 713 | 1 | 13 | 56 | 1810. | 1810. |
| 714 | 1 | 14 | 56 | 1810. | 1810. |
| 715 | 1 | 15 | 56 | 1810. | 1810. |
| 716 | 1 | 16 | 56 | 1810. | 1810. |
| 717 | 1 | 17 | 56 | 1810. | 1810. |
| 718 | 1 | 17 | 57 | 1810. | 1810. |
| 719 | 1 | 17 | 58 | 1810. | 1810. |
| 720 | 1 | 17 | 59 | 1810. | 1810. |
| 721 | 1 | 17 | 60 | 1810. | 1810. |
| 722 | 1 | 17 | 61 | 1810. | 1810. |
| 723 | 1 | 17 | 62 | 1810. | 1810. |
| 724 | 1 | 17 | 63 | 1810. | 1810. |
| 725 | 1 | 17 | 64 | 1810. | 1810. |

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|     |   |    |    |       |       |
|-----|---|----|----|-------|-------|
| 726 | 1 | 17 | 65 | 1810. | 1810. |
| 727 | 1 | 17 | 66 | 1810. | 1810. |
| 728 | 1 | 17 | 67 | 1810. | 1810. |
| 729 | 1 | 18 | 67 | 1810. | 1810. |
| 730 | 1 | 18 | 68 | 1810. | 1810. |
| 731 | 1 | 18 | 69 | 1810. | 1810. |
| 732 | 1 | 18 | 70 | 1810. | 1810. |
| 733 | 1 | 18 | 71 | 1810. | 1810. |
| 734 | 1 | 18 | 72 | 1810. | 1810. |
| 735 | 1 | 18 | 73 | 1810. | 1810. |
| 736 | 1 | 18 | 74 | 27.60 | 27.60 |
| 737 | 1 | 83 | 36 | 109.7 | 109.7 |
| 738 | 1 | 84 | 36 | 1810. | 1810. |
| 739 | 1 | 85 | 36 | 1810. | 1810. |
| 740 | 1 | 86 | 36 | 1810. | 1810. |
| 741 | 1 | 87 | 36 | 1718. | 1718. |
| 742 | 1 | 87 | 46 | 1661. | 1661. |
| 743 | 1 | 88 | 46 | 1810. | 1810. |
| 744 | 1 | 89 | 46 | 1810. | 1810. |
| 745 | 1 | 90 | 46 | 1810. | 1810. |
| 746 | 1 | 91 | 46 | 1810. | 1810. |
| 747 | 1 | 92 | 46 | 1810. | 1810. |
| 748 | 1 | 93 | 46 | 1810. | 1810. |
| 749 | 1 | 94 | 46 | 1810. | 1810. |
| 750 | 1 | 95 | 46 | 1810. | 1810. |
| 751 | 1 | 96 | 46 | 1810. | 1810. |
| 752 | 1 | 97 | 46 | 1125. | 1125. |

752 TIME-VARIANT SPECIFIED-HEAD CELLS

SOLVING FOR HEAD

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 | " | DRAINS"           | ON UNIT | 40 | AT TIME STEP | 1, | STRESS PERIOD | 1 |
| UBDSV3 | SAVING | " | ET"               | 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 |
| UBDSV3 | SAVING | " | RECHARGE"         | ON UNIT | 40 | AT TIME STEP | 1, | STRESS PERIOD | 1 |

\*\*\*Link-MT3DMS Package\*\*\*

OPENING LINK-MT3DMS OUTPUT FILE: North\_Trend\_May-10.hff

ON UNIT NUMBER: 333

FILE TYPE: UNFORMATTED

HEADER OPTION: STANDARD

\*\*\*Link-MT3DMS Package\*\*\*

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

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

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

| CUMULATIVE VOLUMES    |  | L**3        | RATES FOR THIS TIME STEP |  | L**3/T      |
|-----------------------|--|-------------|--------------------------|--|-------------|
| IN:                   |  |             | IN:                      |  |             |
| ---                   |  |             | ---                      |  |             |
| STORAGE =             |  | 0.0000      | STORAGE =                |  | 0.0000      |
| CONSTANT HEAD =       |  | 1617.1234   | CONSTANT HEAD =          |  | 1617.1234   |
| WELLS =               |  | 0.0000      | WELLS =                  |  | 0.0000      |
| DRAINS =              |  | 0.0000      | DRAINS =                 |  | 0.0000      |
| ET =                  |  | 0.0000      | ET =                     |  | 0.0000      |
| HEAD DEP BOUNDS =     |  | 3329.2053   | HEAD DEP BOUNDS =        |  | 3329.2053   |
| RECHARGE =            |  | 964420.4375 | RECHARGE =               |  | 964420.4375 |
| TOTAL IN =            |  | 969366.7500 | TOTAL IN =               |  | 969366.7500 |
| OUT:                  |  |             | OUT:                     |  |             |
| ----                  |  |             | ----                     |  |             |
| STORAGE =             |  | 0.0000      | STORAGE =                |  | 0.0000      |
| CONSTANT HEAD =       |  | 948874.9375 | CONSTANT HEAD =          |  | 948874.9375 |
| WELLS =               |  | 3100.0000   | WELLS =                  |  | 3100.0000   |
| DRAINS =              |  | 17143.0996  | DRAINS =                 |  | 17143.0996  |
| ET =                  |  | 1.0073      | ET =                     |  | 1.0073      |
| HEAD DEP BOUNDS =     |  | 209.9066    | HEAD DEP BOUNDS =        |  | 209.9066    |
| RECHARGE =            |  | 0.0000      | RECHARGE =               |  | 0.0000      |
| TOTAL OUT =           |  | 969328.9375 | TOTAL OUT =              |  | 969328.9375 |
| IN - OUT =            |  | 37.8125     | IN - OUT =               |  | 37.8125     |
| PERCENT DISCREPANCY = |  | 0.00        | PERCENT DISCREPANCY =    |  | 0.00        |

| 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

HEADS AT DRAIN CELLS ARE BELOW THE BOTTOM OF THE DRAIN AT THE CELLS LISTED BELOW. THESE CONDITIONS DIMINISH THE IMPACT OF THE OBSERVATION ON ESTIMATES OF ALL PARAMETERS. (SEE TEXT FOR MORE INFORMATION).

| OBS#  | 8, ID | no_drnf0 | , TIME STEP | 1 |
|-------|-------|----------|-------------|---|
| LAYER | ROW   | COLUMN   |             |   |
| 1     | 86    | 46       |             |   |
| 1     | 86    | 45       |             |   |
| 1     | 86    | 44       |             |   |
| 1     | 86    | 43       |             |   |
| 1     | 85    | 43       |             |   |
| 1     | 85    | 42       |             |   |
| 1     | 85    | 41       |             |   |
| 1     | 85    | 40       |             |   |
| 1     | 84    | 40       |             |   |

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1 84 39  
 1 84 38  
 1 84 37  
 12 OF THE 12 REACHES OR CELLS USED TO SIMULATE THE GAIN OR LOSS ARE AFFECTED.

OBS# 9, ID no\_drnf1 , TIME STEP 1  
 LAYER ROW COLUMN  
 1 4 53  
 1 5 53  
 1 5 52  
 1 7 52  
 1 9 51  
 1 11 50  
 1 13 49  
 1 18 43  
 1 19 43  
 1 20 43  
 1 21 43  
 1 21 44  
 12 OF THE 31 REACHES OR CELLS USED TO SIMULATE THE GAIN OR LOSS ARE AFFECTED.

OBS# 10, ID no\_drnf2 , TIME STEP 1  
 LAYER ROW COLUMN  
 1 21 44  
 1 22 44  
 1 22 43  
 1 22 42  
 1 22 41  
 1 22 40  
 1 23 40  
 1 23 39  
 1 23 38  
 1 23 37  
 1 23 36  
 1 23 35  
 1 23 34  
 1 24 34  
 1 24 33  
 1 24 32  
 1 24 31  
 1 24 30  
 1 24 29  
 1 24 28  
 20 OF THE 20 REACHES OR CELLS USED TO SIMULATE THE GAIN OR LOSS ARE AFFECTED.

DATA AT HEAD LOCATIONS

| OBS# | OBSERVATION NAME | OBSER- VATION * | SIMUL . EQUIV. * | RESIDUAL | WEIGHT** .5 | WEIGHTED RESIDUAL |
|------|------------------|-----------------|------------------|----------|-------------|-------------------|
| 1    | hed1             | 0.369E+04       | 0.370E+04        | -5.75    | 0.653       | -3.76             |
| 2    | hed2             | 0.370E+04       | 0.370E+04        | -2.63    | 0.653       | -1.72             |
| 3    | hed3             | 0.370E+04       | 0.370E+04        | -0.619   | 0.653       | -0.405            |
| 4    | hed4             | 0.370E+04       | 0.370E+04        | -0.304   | 0.653       | -0.198            |
| 5    | hed5             | 0.371E+04       | 0.370E+04        | 3.34     | 0.653       | 2.18              |
| 6    | hed6             | 0.370E+04       | 0.370E+04        | -1.96    | 0.653       | -1.28             |
| 7    | hed7             | 0.360E+04       | 0.360E+04        | 2.98     | 0.653       | 1.95              |

\* THE OBSERVATION (AND CORRESPONDING SIMULATED EQUIVALENT) IS HEAD OR TEMPORAL CHANGE IN HEAD, AS SPECIFIED IN THE "HOB" INPUT FILE. NEGATIVE TEMPORAL

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CHANGES INDICATE DRAWDOWN.

STATISTICS FOR HEAD RESIDUALS :  
 MAXIMUM WEIGHTED RESIDUAL : 2.18 OBS# 5  
 MINIMUM WEIGHTED RESIDUAL : -3.76 OBS# 1  
 AVERAGE WEIGHTED RESIDUAL :-0.461  
 # RESIDUALS >= 0. : 2  
 # RESIDUALS < 0. : 5  
 NUMBER OF RUNS : 4 IN 7 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS (HEADS ONLY) 27.463

DATA FOR FLOWS REPRESENTED USING THE DRAIN PACKAGE

| OBS# | OBSERVATION NAME | MEAS. FLOW | CALC. FLOW | RESIDUAL  | WEIGHT**.5 | WEIGHTED RESIDUAL |
|------|------------------|------------|------------|-----------|------------|-------------------|
| 8    | no_drnf0         | 1.00       | 0.00       | 1.00      | 0.100E-18  | 0.100E-18         |
| 9    | no_drnf1         | 1.00       | -0.171E+05 | 0.171E+05 | 0.100E-18  | 0.171E-14         |
| 10   | no_drnf2         | 1.00       | 0.00       | 1.00      | 0.100E-18  | 0.100E-18         |

STATISTICS FOR DRAIN FLOW RESIDUALS :  
 MAXIMUM WEIGHTED RESIDUAL : 0.171E-14 OBS# 9  
 MINIMUM WEIGHTED RESIDUAL : 0.100E-18 OBS# 8  
 AVERAGE WEIGHTED RESIDUAL : 0.572E-15  
 # RESIDUALS >= 0. : 3  
 # RESIDUALS < 0. : 0  
 NUMBER OF RUNS: 1 IN 3 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS (DRAIN FLOWS ONLY) 0.29392E-29

DATA FOR FLOWS REPRESENTED USING THE GENERAL-HEAD BOUNDARY PACKAGE

| OBS# | OBSERVATION NAME | MEAS. FLOW | CALC. FLOW | RESIDUAL   | WEIGHT**.5 | WEIGHTED RESIDUAL |
|------|------------------|------------|------------|------------|------------|-------------------|
| 11   | no_ghbf0         | 1.00       | 600.       | -599.      | 0.100E-18  | -0.599E-16        |
| 12   | no_ghbf1         | 1.00       | 175.       | -174.      | 0.100E-18  | -0.174E-16        |
| 13   | no_ghbf2         | 1.00       | 0.160E+04  | -0.160E+04 | 0.100E-18  | -0.160E-15        |
| 14   | no_ghbf3         | 1.00       | 692.       | -691.      | 0.100E-18  | -0.691E-16        |
| 15   | no_ghbf4         | 1.00       | 53.1       | -52.1      | 0.100E-18  | -0.521E-17        |

STATISTICS FOR GENERAL-HEAD BOUNDARY FLOW RESIDUALS :  
 MAXIMUM WEIGHTED RESIDUAL :-0.521E-17 OBS# 15  
 MINIMUM WEIGHTED RESIDUAL :-0.160E-15 OBS# 13  
 AVERAGE WEIGHTED RESIDUAL :-0.623E-16  
 # RESIDUALS >= 0. : 0  
 # RESIDUALS < 0. : 5  
 NUMBER OF RUNS: 1 IN 5 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS  
 (GENERAL-HEAD BOUNDARY FLOWS ONLY) 0.34226E-31

DATA FOR FLOW OBSERVATIONS AT BOUNDARIES REPRESENTED AS CONSTANT-HEAD

| OBS# | OBSERVATION NAME | MEAS. FLOW | CALC. FLOW | RESIDUAL  | WEIGHT**.5 | WEIGHTED RESIDUAL |
|------|------------------|------------|------------|-----------|------------|-------------------|
| 16   | no_chdf0         | 1.00       | -0.135E+06 | 0.135E+06 | 0.100E-18  | 0.135E-13         |
| 17   | no_chdf1         | 1.00       | -0.169E+04 | 0.169E+04 | 0.100E-18  | 0.169E-15         |
| 18   | no_chdf2         | 1.00       | -0.263E+04 | 0.263E+04 | 0.100E-18  | 0.263E-15         |
| 19   | no_chdf3         | 1.00       | -0.437E+05 | 0.437E+05 | 0.100E-18  | 0.437E-14         |
| 20   | no_chdf4         | 1.00       | -0.121E+05 | 0.121E+05 | 0.100E-18  | 0.121E-14         |



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|------------------------|-----------|------|------------|-----------|-----------|-----------|
| 21                     | no_chdf5  | 1.00 | -0.321E+04 | 0.321E+04 | 0.100E-18 | 0.321E-15 |
| 22                     | no_chdf6  | 1.00 | -0.111E+06 | 0.111E+06 | 0.100E-18 | 0.111E-13 |
| 23                     | no_chdf7  | 1.00 | -0.350E+05 | 0.350E+05 | 0.100E-18 | 0.350E-14 |
| 24                     | no_chdf8  | 1.00 | -0.675E+05 | 0.675E+05 | 0.100E-18 | 0.675E-14 |
| 25                     | no_chdf9  | 1.00 | -0.631E+05 | 0.631E+05 | 0.100E-18 | 0.631E-14 |
| 26                     | no_chdf10 | 1.00 | -0.135E+06 | 0.135E+06 | 0.100E-18 | 0.135E-13 |
| 27                     | no_chdf11 | 1.00 | -0.165E+04 | 0.165E+04 | 0.100E-18 | 0.165E-15 |
| 28                     | no_chdf12 | 1.00 | -0.258E+04 | 0.258E+04 | 0.100E-18 | 0.258E-15 |
| 29                     | no_chdf13 | 1.00 | -0.433E+05 | 0.433E+05 | 0.100E-18 | 0.433E-14 |
| 30                     | no_chdf14 | 1.00 | -0.119E+05 | 0.119E+05 | 0.100E-18 | 0.119E-14 |
| 31                     | no_chdf15 | 1.00 | -0.315E+04 | 0.315E+04 | 0.100E-18 | 0.315E-15 |
| 32                     | no_chdf16 | 1.00 | -0.111E+06 | 0.111E+06 | 0.100E-18 | 0.111E-13 |
| 33                     | no_chdf17 | 1.00 | -0.343E+05 | 0.343E+05 | 0.100E-18 | 0.343E-14 |
| 34                     | no_chdf18 | 1.00 | -0.663E+05 | 0.663E+05 | 0.100E-18 | 0.663E-14 |
| 35                     | no_chdf19 | 1.00 | -0.631E+05 | 0.631E+05 | 0.100E-18 | 0.631E-14 |

STATISTICS FOR CONSTANT-HEAD BOUNDARY FLOW RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL : 0.135E-13 OBS# 26  
 MINIMUM WEIGHTED RESIDUAL : 0.165E-15 OBS# 27  
 AVERAGE WEIGHTED RESIDUAL : 0.474E-14  
 # RESIDUALS >= 0. : 20  
 # RESIDUALS < 0. : 0  
 NUMBER OF RUNS : 1 IN 20 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS  
 (CONSTANT-HEAD BOUNDARY FLOWS ONLY) 0.84525E-27

SUM OF SQUARED WEIGHTED RESIDUALS (ALL DEPENDENT VARIABLES) 27.463

STATISTICS FOR ALL RESIDUALS :

AVERAGE WEIGHTED RESIDUAL :-0.923E-01  
 # RESIDUALS >= 0. : 25  
 # RESIDUALS < 0. : 10  
 NUMBER OF RUNS : 6 IN 35 OBSERVATIONS

INTERPRETING THE CALCULATED RUNS STATISTIC VALUE OF -3.72

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: 35

|            |            |            |           |           |            |            |
|------------|------------|------------|-----------|-----------|------------|------------|
| -3.76      | -1.72      | -1.28      | -0.405    | -0.198    | -0.160E-15 | -0.691E-16 |
| -0.599E-16 | -0.174E-16 | -0.521E-17 | 0.100E-18 | 0.100E-18 | 0.165E-15  | 0.169E-15  |
| 0.258E-15  | 0.263E-15  | 0.315E-15  | 0.321E-15 | 0.119E-14 | 0.121E-14  | 0.171E-14  |
| 0.343E-14  | 0.350E-14  | 0.433E-14  | 0.437E-14 | 0.631E-14 | 0.631E-14  | 0.663E-14  |
| 0.675E-14  | 0.111E-13  | 0.111E-13  | 0.135E-13 | 0.135E-13 | 1.95       | 2.18       |

CORRELATION BETWEEN ORDERED WEIGHTED RESIDUALS AND NORMAL ORDER STATISTICS FOR OBSERVATIONS = 0.524

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

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The critical value for correlation at the 5% significance level is 0.943

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 0.952

---

North\_Trend\_May-10.pcg

25 50 1  
0.1 0.1 1.0 0 0 2 1.0

North\_Trend\_May-10.pes

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

north\_trend\_may-10.rec

PEST RUN RECORD: CASE north\_trend\_may-10

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          | : | 35 |
| Number of prior estimates       | : | 0  |

Model command line(s):-

start /w /min North\_Trend\_May-10\_bat1.bat

Jacobian command line:-

na

Model interface files:-

Templates:

North\_Trend\_May-10.tpl\_1  
for model input files:  
North\_Trend\_May-10.snn\_1

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

Instruction files:

North\_Trend\_May-10.ins  
for reading model output files:  
North\_Trend\_May-10.\_os

PEST-to-model message file:-

na

Derivatives calculation:-

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

Parameter definitions:-

| Name    | Trans-formation | Change limit | Initial value | Lower bound  | Upper bound |
|---------|-----------------|--------------|---------------|--------------|-------------|
| hk_800  | none            | factor       | 1.40000       | 1.000000E-03 | 20.0000     |
| ghb_300 | none            | factor       | 0.100000      | 1.000000E-03 | 1000.00     |

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| Name                   | Group   | Scale   | Offset   | Model        | command number |
|------------------------|---------|---------|----------|--------------|----------------|
| ghb_400                | none    |         |          |              |                |
| north_trend_may-10.rec |         |         |          |              |                |
|                        |         | factor  | 0.100000 | 1.000000E-03 | 1000.00        |
| hk_800                 | 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     | 0.6533     | head       |
| hed2             | 3698.05     | 0.6533     | head       |
| hed3             | 3696.72     | 0.6533     | head       |
| hed4             | 3700.85     | 0.6533     | head       |
| hed5             | 3706.41     | 0.6533     | head       |
| hed6             | 3702.56     | 0.6533     | head       |
| hed7             | 3604.85     | 0.6533     | head       |
| no_drnf0         | 1.00000     | 1.0000E-19 | drain      |
| no_drnf1         | 1.00000     | 1.0000E-19 | drain      |
| no_drnf2         | 1.00000     | 1.0000E-19 | drain      |
| 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_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 |

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          |

```

                                north_trend_may-10.rec
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)      = 37.099
Contribution to phi from observation group "head" = 37.099
Contribution to phi from observation group "drain" = 2.93924E-30
Contribution to phi from observation group "ghb" = 2.97631E-32
Contribution to phi from observation group "const_head" = 8.45250E-28

```

```

Current parameter values
hk_800      1.40000
ghb_300     0.100000
ghb_400     0.100000

```

```

OPTIMISATION ITERATION NO.      : 1
Model calls so far              : 1
Starting phi for this iteration  : 37.099
Contribution to phi from observation group "head" : 37.099
Contribution to phi from observation group "drain" : 2.93924E-30
Contribution to phi from observation group "ghb" : 2.97631E-32
Contribution to phi from observation group "const_head" : 8.45250E-28

```

```

Lambda = 10.000  ----->
Phi = 33.992    ( 0.916 of starting phi)

```

```

Lambda = 5.0000  ----->
Phi = 33.262    ( 0.897 of starting phi)

```

No more lambdas: relative phi reduction between lambdas less than 0.0300  
Lowest phi this iteration: 33.262

```

Current parameter values          Previous parameter values
hk_800      1.34326              hk_800      1.40000
ghb_300     0.174360            ghb_300     0.100000
ghb_400     0.158756            ghb_400     0.100000
Maximum factor change: 1.744    ["ghb_300"]
Maximum relative change: 0.7436 ["ghb_300"]

```

```

OPTIMISATION ITERATION NO.      : 2
Model calls so far              : 6
Page 3

```

```

                                north_trend_may-10.rec
Starting phi for this iteration      : 33.262
Contribution to phi from observation group "head"      : 33.262
Contribution to phi from observation group "drain"     : 2.93916E-30
Contribution to phi from observation group "ghb"       : 3.22052E-32
Contribution to phi from observation group "const_head" : 8.45249E-28

```

```

Lambda = 2.5000 ----->
Phi = 61.663 ( 1.854 times starting phi)

```

```

Lambda = 1.2500 ----->
Phi = 61.866 ( 1.860 times starting phi)

```

```

Lambda = 5.0000 ----->
Phi = 61.084 ( 1.836 times starting phi)

```

```

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 61.084
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 1)

```

```

Current parameter values
hk_800      1.34326
ghb_300     0.174360
ghb_400     0.158756

```

```

OPTIMISATION ITERATION NO.      : 3
Model calls so far              : 12
Starting phi for this iteration  : 33.262
Contribution to phi from observation group "head"      : 33.262
Contribution to phi from observation group "drain"     : 2.93916E-30
Contribution to phi from observation group "ghb"       : 3.22052E-32
Contribution to phi from observation group "const_head" : 8.45249E-28

```

```

Lambda = 2.5000 ----->
Phi = 54.437 ( 1.637 times starting phi)

```

```

Lambda = 1.2500 ----->
Phi = 55.955 ( 1.682 times starting phi)

```

```

Lambda = 5.0000 ----->
Phi = 53.014 ( 1.594 times starting phi)

```

```

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 53.014

```

```

Current parameter values          Previous parameter values
hk_800      0.813766             hk_800      1.34326
ghb_300     0.406325             ghb_300     0.174360
ghb_400     0.504439             ghb_400     0.158756
Maximum factor change: 3.177     ["ghb_400"]
Maximum relative change: 2.177   ["ghb_400"]

```

```

OPTIMISATION ITERATION NO.      : 4
Model calls so far              : 21
Starting phi for this iteration  : 53.014
Contribution to phi from observation group "head"      : 53.014
Contribution to phi from observation group "drain"     : 2.93923E-30
Contribution to phi from observation group "ghb"       : 3.12452E-32
Contribution to phi from observation group "const_head" : 8.45249E-28

```



```

north_trend_may-10.rec
Lambda = 5.0000 ----->
Phi = 29.137 ( 0.550 of starting phi)

Lambda = 2.5000 ----->
Phi = 29.114 ( 0.549 of starting phi)

```

No more lambdas: relative phi reduction between lambdas less than 0.0300  
Lowest phi this iteration: 29.114

| Current parameter values |          | Previous parameter values |          |
|--------------------------|----------|---------------------------|----------|
| hk_800                   | 0.998146 | hk_800                    | 0.813766 |
| ghb_300                  | 0.720877 | ghb_300                   | 0.406325 |
| ghb_400                  | 1.26678  | ghb_400                   | 0.504439 |
| Maximum factor change:   | 2.511    | ["ghb_400"]               |          |
| Maximum relative change: | 1.511    | ["ghb_400"]               |          |

```

OPTIMISATION ITERATION NO.      :    5
Model calls so far              :   29
Starting phi for this iteration  :   29.114
Contribution to phi from observation group "head"      :   29.114
Contribution to phi from observation group "drain"     :  2.93922E-30
Contribution to phi from observation group "ghb"       :  3.30027E-32
Contribution to phi from observation group "const_head":  8.45250E-28

```

```

Lambda = 1.2500 ----->
Phi = 28.023 ( 0.963 of starting phi)

Lambda = 0.62500 ----->
Phi = 28.432 ( 0.977 of starting phi)

Lambda = 2.5000 ----->
Phi = 27.646 ( 0.950 of starting phi)

```

No more lambdas: relative phi reduction between lambdas less than 0.0300  
Lowest phi this iteration: 27.646

| Current parameter values |         | Previous parameter values |          |
|--------------------------|---------|---------------------------|----------|
| hk_800                   | 1.02894 | hk_800                    | 0.998146 |
| ghb_300                  | 1.54379 | ghb_300                   | 0.720877 |
| ghb_400                  | 6.23524 | ghb_400                   | 1.26678  |
| Maximum factor change:   | 4.922   | ["ghb_400"]               |          |
| Maximum relative change: | 3.922   | ["ghb_400"]               |          |

```

OPTIMISATION ITERATION NO.      :    6
Model calls so far              :   38
Starting phi for this iteration  :   27.646
Contribution to phi from observation group "head"      :   27.646
Contribution to phi from observation group "drain"     :  2.93923E-30
Contribution to phi from observation group "ghb"       :  3.38636E-32
Contribution to phi from observation group "const_head":  8.45249E-28

```

```

Lambda = 2.5000 ----->
Phi = 27.569 ( 0.997 of starting phi)

Lambda = 1.2500 ----->
Phi = 27.587 ( 0.998 of starting phi)

Lambda = 5.0000 ----->
Phi = 27.536 ( 0.996 of starting phi)

```

No more lambdas: relative phi reduction between lambdas less than 0.0300  
Page 5

north\_trend\_may-10.rec  
Lowest phi this iteration: 27.536

| Current parameter values |         | Previous parameter values |         |
|--------------------------|---------|---------------------------|---------|
| hk_800                   | 1.03080 | hk_800                    | 1.02894 |
| ghb_300                  | 1.36875 | ghb_300                   | 1.54379 |
| ghb_400                  | 31.1762 | ghb_400                   | 6.23524 |
| Maximum factor change:   | 5.000   | ["ghb_400"]               |         |
| Maximum relative change: | 4.000   | ["ghb_400"]               |         |

OPTIMISATION ITERATION NO. : 7  
Model calls so far : 47  
Starting phi for this iteration : 27.536  
Contribution to phi from observation group "head" : 27.536  
Contribution to phi from observation group "drain" : 2.93923E-30  
Contribution to phi from observation group "ghb" : 3.36302E-32  
Contribution to phi from observation group "const\_head" : 8.45249E-28

Lambda = 5.0000 ----->  
Phi = 27.501 ( 0.999 of starting phi)  
  
Lambda = 2.5000 ----->  
Phi = 27.509 ( 0.999 of starting phi)  
  
Lambda = 10.000 ----->  
Phi = 27.484 ( 0.998 of starting phi)

No more lambdas: relative phi reduction between lambdas less than 0.0300  
Lowest phi this iteration: 27.484

| Current parameter values |         | Previous parameter values |         |
|--------------------------|---------|---------------------------|---------|
| hk_800                   | 1.03735 | hk_800                    | 1.03080 |
| ghb_300                  | 1.22257 | ghb_300                   | 1.36875 |
| ghb_400                  | 155.881 | ghb_400                   | 31.1762 |
| Maximum factor change:   | 5.000   | ["ghb_400"]               |         |
| Maximum relative change: | 4.000   | ["ghb_400"]               |         |

OPTIMISATION ITERATION NO. : 8  
Model calls so far : 56  
Starting phi for this iteration : 27.484  
Contribution to phi from observation group "head" : 27.484  
Contribution to phi from observation group "drain" : 2.93921E-30  
Contribution to phi from observation group "ghb" : 3.34970E-32  
Contribution to phi from observation group "const\_head" : 8.45249E-28

Lambda = 10.000 ----->  
Phi = 27.466 ( 0.999 of starting phi)  
  
Lambda = 5.0000 ----->  
Phi = 27.467 ( 0.999 of starting phi)  
  
Lambda = 20.000 ----->  
Phi = 27.470 ( 0.999 of starting phi)

No more lambdas: phi rising  
Lowest phi this iteration: 27.466

| Current parameter values |         | Previous parameter values |         |
|--------------------------|---------|---------------------------|---------|
| hk_800                   | 1.03321 | hk_800                    | 1.03735 |
| ghb_300                  | 1.92869 | ghb_300                   | 1.22257 |
| ghb_400                  | 779.405 | ghb_400                   | 155.881 |
| Maximum factor change:   | 5.000   | ["ghb_400"]               |         |

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north\_trend\_may-10.rec  
Maximum relative change: 4.000 ["ghb\_400"]

Optimisation complete: the 3 lowest phi's are within a relative distance  
of each other of 5.000E-03

Total model calls: 65

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<br>value | 95% percent confidence limits |              |
|-----------|--------------------|-------------------------------|--------------|
|           |                    | lower limit                   | upper limit  |
| hk_800    | 1.03321            | 0.801084                      | 1.26534      |
| ghb_300   | 1.92869            | -9.32684                      | 13.1842      |
| ghb_400   | 779.405            | -5.673894E+19                 | 5.673894E+19 |

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 north\_trend\_may-10.sen for parameter sensitivities.

Observations ----->

| Observation | Measured<br>value | Calculated<br>value | Residual  | weight     | Group |
|-------------|-------------------|---------------------|-----------|------------|-------|
| hed1        | 3689.73           | 3695.48             | -5.75000  | 0.6533     | head  |
| hed2        | 3698.05           | 3700.68             | -2.62900  | 0.6533     | head  |
| hed3        | 3696.72           | 3697.34             | -0.620000 | 0.6533     | head  |
| hed4        | 3700.85           | 3701.15             | -0.304000 | 0.6533     | head  |
| hed5        | 3706.41           | 3703.07             | 3.34400   | 0.6533     | head  |
| hed6        | 3702.56           | 3704.52             | -1.96300  | 0.6533     | head  |
| hed7        | 3604.85           | 3601.87             | 2.97700   | 0.6533     | head  |
| no_drnf0    | 1.00000           | 0.00000             | 1.00000   | 1.0000E-19 | drain |
| no_drnf1    | 1.00000           | -17143.3            | 17144.3   | 1.0000E-19 | drain |
| no_drnf2    | 1.00000           | 0.00000             | 1.00000   | 1.0000E-19 | drain |
| no_ghbf0    | 1.00000           | 599.640             | -598.640  | 1.0000E-19 | ghb   |
| no_ghbf1    | 1.00000           | 175.408             | -174.408  | 1.0000E-19 | ghb   |
| no_ghbf2    | 1.00000           | 1598.75             | -1597.75  | 1.0000E-19 | ghb   |
| no_ghbf3    | 1.00000           | 653.598             | -652.598  | 1.0000E-19 | ghb   |
| no_ghbf4    | 1.00000           | 53.0642             | -52.0642  | 1.0000E-19 | ghb   |

|            |         | north_trend_may-10.rec |         |            |
|------------|---------|------------------------|---------|------------|
| no_chdf0   | 1.00000 | -134878.               | 134879. | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf1   | 1.00000 | -1686.56               | 1687.56 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf2   | 1.00000 | -2630.72               | 2631.72 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf3   | 1.00000 | -43652.9               | 43653.9 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf4   | 1.00000 | -12126.8               | 12127.8 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf5   | 1.00000 | -3208.16               | 3209.16 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf6   | 1.00000 | -110580.               | 110581. | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf7   | 1.00000 | -34960.6               | 34961.6 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf8   | 1.00000 | -67483.7               | 67484.7 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf9   | 1.00000 | -63118.8               | 63119.8 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf10  | 1.00000 | -135094.               | 135095. | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf11  | 1.00000 | -1652.60               | 1653.60 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf12  | 1.00000 | -2580.86               | 2581.86 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf13  | 1.00000 | -43337.1               | 43338.1 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf14  | 1.00000 | -11925.0               | 11926.0 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf15  | 1.00000 | -3147.62               | 3148.62 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf16  | 1.00000 | -111462.               | 111463. | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf17  | 1.00000 | -34330.1               | 34331.1 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf18  | 1.00000 | -66329.0               | 66330.0 | 1.0000E-19 |
| const_head |         |                        |         |            |
| no_chdf19  | 1.00000 | -63073.2               | 63074.2 | 1.0000E-19 |
| const_head |         |                        |         |            |

See file north\_trend\_may-10.res for more details of residuals in graph-ready format.  
 See file north\_trend\_may-10.seo for composite observation sensitivities.

Objective function ----->

|   |   |            |
|---|---|------------|
| Sum of squared weighted residuals (ie phi)              | = | 27.47      |
| Contribution to phi from observation group "head"       | = | 27.47      |
| Contribution to phi from observation group "drain"      | = | 2.9393E-30 |
| Contribution to phi from observation group "ghb"        | = | 3.3702E-32 |
| Contribution to phi from observation group "const_head" | = | 8.4525E-28 |

Correlation Coefficient ----->

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

Analysis of residuals ----->

All residuals:-

```

north_trend_may-10.rec
Number of residuals with non-zero weight = 35
Mean value of non-zero weighted residuals = -9.2305E-02
Maximum weighted residual [observation "hed5"] = 2.185
Minimum weighted residual [observation "hed1"] = -3.757
Standard variance of weighted residuals = 0.8583
Standard error of weighted residuals = 0.9265

```

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 = 7
Mean value of non-zero weighted residuals = -0.4615
Maximum weighted residual [observation "hed5"] = 2.185
Minimum weighted residual [observation "hed1"] = -3.757
"Variance" of weighted residuals = 3.924
"Standard error" of weighted residuals = 1.981

```

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 "drain":-
Number of residuals with non-zero weight = 3
Mean value of non-zero weighted residuals = 5.7154E-16
Maximum weighted residual [observation "no_drnf1"] = 1.7144E-15
Minimum weighted residual [observation "no_drnf0"] = 1.0000E-19
"Variance" of weighted residuals = 9.7975E-31
"Standard error" of weighted residuals = 9.8982E-16

```

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 = 5
Mean value of non-zero weighted residuals = -6.1509E-17
Maximum weighted residual [observation "no_ghbf4"] = -5.2064E-18
Minimum weighted residual [observation "no_ghbf2"] = -1.5977E-16
"Variance" of weighted residuals = 6.7404E-33
"Standard error" of weighted residuals = 8.2100E-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 = 20
Mean value of non-zero weighted residuals = 4.7364E-15
Maximum weighted residual [observation "no_chdf10"] = 1.3509E-14
Minimum weighted residual [observation "no_chdf11"] = 1.6536E-16
"Variance" of weighted residuals = 4.2262E-29
"Standard error" of weighted residuals = 6.5010E-15

```

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_800      ghb_300      ghb_400
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```

|         | north_trend_may-10.rec |         |            |
|---------|------------------------|---------|------------|
| hk_800  | 1.2976E-02             | -0.5118 | 33.58      |
| ghb_300 | -0.5118                | 30.51   | -1746.     |
| ghb_400 | 33.58                  | -1746.  | 7.7525E+38 |

Parameter correlation coefficient matrix ----->

|         | hk_800     | ghb_300     | ghb_400     |
|---------|------------|-------------|-------------|
| hk_800  | 1.000      | -0.8135     | 1.0589E-17  |
| ghb_300 | -0.8135    | 1.000       | -1.1353E-17 |
| ghb_400 | 1.0589E-17 | -1.1353E-17 | 1.000       |

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

|         | Vector_1    | Vector_2    | Vector_3    |
|---------|-------------|-------------|-------------|
| hk_800  | 0.9999      | 1.6777E-02  | 4.3321E-38  |
| ghb_300 | 1.6777E-02  | -0.9999     | -2.2521E-36 |
| ghb_400 | -5.5312E-39 | -2.2525E-36 | 1.000       |

Eigenvalues ----->

|            |       |            |
|------------|-------|------------|
| 4.3881E-03 | 30.52 | 7.7525E+38 |
|------------|-------|------------|

North\_Trend\_May-10.snn

3 0 0 3

0 0 0 0

HK\_800 1 0 1.4 0.001 20.0 1.0

GHB\_300 1 0 0.1 0.001 1000.0 1.0

GHB\_400 1 0 0.1 0.001 1000.0 1.0

North\_Trend\_May-10.wel

#GMS\_HDF5\_01

1 40 AUX IFACE AUX QFACT AUX CELLGRP

1 0 0

GMS\_HDF5\_01 "North\_Trend\_May-10.h5" "well" 1