```
0       0    IPESTINT  INTERP
0      0     0      1.0     NOSTOP HDRYBOT LIMOP MINTHICK
```

```
#FINAL_BASELINE_6-11
#23 June 2011
FREE
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/ibound1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/ibound2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/ibound3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/ibound4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/ibound5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/ibound6" 1 0 13426
-999.0
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/StartHead1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/StartHead2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/StartHead3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/StartHead4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/StartHead5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/StartHead6" 1 0 13426
```

```
#GMS_HDF5_01
1745 AUX SHEADFACT AUX EHEADFACT AUX CELLGRP
      1745         0         0
GMS_HDF5_01 "FINALWALL-LOWK-6-11.h5" "Specified Head" 1
```

```
#           CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 1 221592.17305898
329998.70383702 1.0 no_chdf0
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 3 223246.12936002
327906.04715751 1.0 no_chdf1
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 4 217142.50205785
326734.23394706 1.0 no_chdf2
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 6 222578.35112892
322254.84184513 1.0 no_chdf3
#GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 7 217489.64947981
323175.8728997 1.0 no_chdf4
#GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 1 221592.17305898
329998.70383702 1.0 no_chdf5
#GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 3 223246.12936002
327906.04715751 1.0 no_chdf6
#GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 4 217142.50205785
326734.23394706 1.0 no_chdf7
#GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 6 223218.45089825
323598.51628882 1.0 no_chdf8
#GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 7 217489.64947981
323175.8728997 1.0 no_chdf9
#GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 8 218698.66163564
321550.15247573 1.0 no_chdf10
#GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 1 221592.17305898
329998.70383702 1.0 no_chdf11
#GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 3 223246.12936002
327906.04715751 1.0 no_chdf12
#GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 4 217142.50205785
326734.23394706 1.0 no_chdf13
#GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 6 222578.35112892
322254.84184513 1.0 no_chdf14
#GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 7 217489.64947981
323175.8728997 1.0 no_chdf15
#GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 1 221592.17305898
329998.70383702 1.0 no_chdf16
#GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 3 223246.12936002
327906.04715751 1.0 no_chdf17
#GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 4 217142.50205785
326734.23394706 1.0 no_chdf18
#GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 6 222578.35112892
322254.84184513 1.0 no_chdf19
#GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 7 217489.64947981
323175.8728997 1.0 no_chdf20
21 1745 21 775
1.0 1.0 0
1 89
no_chdf0 1 0.0 1.0 1.0e+019 1 1
3 6 31 0.4313948166961
3 6 32 1.0
3 6 33 1.0
3 7 33 1.0
3 7 34 1.0
3 7 35 1.0
3 7 36 1.0
3 7 37 1.0
3 7 38 1.0
3 7 39 1.0
3 7 40 1.0
3 7 41 1.0
3 7 42 1.0
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3 7 49 1.0
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3 8 53 1.0
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3 8 55 1.0
3 8 56 1.0
3 8 57 1.0
3 8 58 1.0
3 8 59 1.0
3 8 60 1.0
3 8 61 1.0
3 8 62 1.0
3 8 63 1.0
3 8 64 1.0
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3 9 66 1.0
3 9 67 1.0
3 9 68 1.0
3 9 69 1.0
3 9 70 1.0
3 9 71 1.0
3 9 72 1.0
3 9 73 1.0
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3 11 73 1.0
3 11 74 1.0
3 12 74 1.0
3 12 75 1.0
3 13 75 1.0
3 13 76 1.0
3 14 76 1.0
3 14 77 1.0
3 15 77 1.0
3 15 78 1.0
3 16 78 1.0
3 16 79 1.0
3 17 79 1.0
3 18 79 1.0
3 18 80 1.0
3 19 80 1.0
3 19 81 1.0
3 20 81 1.0
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3 22 84 1.0
3 23 84 1.0
3 23 85 1.0
3 24 85 1.0
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3 27 88 1.0
3 28 88 1.0
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3 29 89 1.0
3 29 90 1.0
3 30 90 1.0
3 30 91 1.0
3 31 91 1.0
3 32 91 1.0
3 32 92 1.0
3 33 92 0.2479988234633
1 8
no_chdf1 1 0.0 1.0 1.0e+019 1 1
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3 34 92 1.0
3 34 93 1.0
3 35 93 1.0
3 36 93 1.0
3 37 93 1.0
3 38 93 1.0
3 39 93 0.3431431434272
1 129
no_chdf2 1 0.0 1.0 1.0e+019 1 1
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3 102 9 1.0
3 102 8 1.0
3 101 8 1.0
3 100 8 1.0
3 99 8 1.0
3 98 8 1.0
3 97 8 1.0
3 96 8 1.0
3 95 8 1.0
3 95 7 1.0
3 94 7 1.0
3 93 7 1.0
3 92 7 1.0
3 91 7 1.0
3 90 7 1.0
3 89 7 1.0
3 89 6 1.0
3 88 6 1.0
3 87 6 1.0
3 86 6 1.0
3 85 6 1.0
3 84 6 1.0
3 83 6 1.0
3 82 6 1.0
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3 81 5 1.0
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3 77 5 1.0
3 76 5 1.0
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3 32 8 1.0
3 31 8 1.0
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3 26 11 1.0
3 25 11 1.0
3 24 11 1.0
3 24 12 1.0
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3 11 23 1.0
3 11 24 1.0
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3 9 26 1.0
3 9 27 1.0
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3 8 29 1.0
3 7 29 1.0
3 7 30 1.0
3 7 31 1.0
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1 202
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3 40 93 1.0
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3 43 93 1.0
3 44 93 1.0
3 45 93 1.0
3 46 93 1.0
3 47 93 1.0
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3 83 94 1.0
3 83 93 1.0
3 84 93 1.0
3 85 93 1.0
3 86 93 1.0
3 87 93 1.0
3 88 93 1.0
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3 109 88 1.0
3 110 88 1.0
3 111 88 1.0
3 111 87 1.0
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3 126 76 1.0
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3 132 50 1.0
3 132 49 1.0
3 131 49 1.0
```

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3 118 16 1.0
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3 116 15 1.0
3 115 15 1.0
3 114 15 1.0
3 114 14 1.0
3 113 14 1.0
3 113 13 1.0
3 112 13 1.0
3 111 13 1.0
3 111 12 1.0
3 110 12 1.0
3 109 12 1.0
3 109 11 1.0
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3 107 11 1.0
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3 106 10 1.0
3 105 10 1.0
3 105 9 1.0
3 104 9 1.0
3 103 9 0.0818590510795
1 89
no_chdf5 1 0.0 1.0 1.0e+019 1 1
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1 9 73 1.0
1 10 73 1.0
```

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1 23 84 1.0
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1 24 85 1.0
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1 26 86 1.0
1 26 87 1.0
1 27 87 1.0
1 27 88 1.0
1 28 88 1.0
1 28 89 1.0
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1 30 91 1.0
1 31 91 1.0
1 32 91 1.0
1 32 92 1.0
1 33 92 0.2479988234633
1 8
no_chdf6 1 0.0 1.0 1.0e+019 1 1
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1 34 93 1.0
1 35 93 1.0
1 36 93 1.0
1 37 93 1.0
1 38 93 1.0
1 39 93 0.3431431434272
1 129
no_chdf7 1 0.0 1.0 1.0e+019 1 1
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1 102 9 1.0
1 102 8 1.0
1 101 8 1.0
1 100 8 1.0
1 99 8 1.0
```

```
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1 97 8 1.0
1 96 8 1.0
1 95 8 1.0
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1 93 7 1.0
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1 91 7 1.0
1 90 7 1.0
1 89 7 1.0
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1 87 6 1.0
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1 78 5 1.0
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1 51 6 1.0
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1 49 6 1.0
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1 47 6 1.0
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1 45 6 1.0
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```

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1 22 12 1.0
1 22 13 1.0
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1 12 22 1.0
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1 11 23 1.0
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1 8 27 1.0
1 8 28 1.0
1 8 29 1.0
1 7 29 1.0
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1 7 31 1.0
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1 138
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1 45 93 1.0
1 46 93 1.0
1 47 93 1.0
1 47 94 1.0
1 48 94 1.0
1 49 94 1.0
1 50 94 1.0
1 51 94 1.0
1 52 94 1.0
1 53 94 1.0
1 54 94 1.0
1 55 94 1.0
1 56 94 1.0
1 57 94 1.0
1 58 94 1.0
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1 83 94 1.0
1 83 93 1.0
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1 86 93 1.0
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1 88 93 1.0
1 89 93 1.0
1 90 93 1.0
1 91 93 1.0
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1 95 93 1.0
1 96 93 1.0
1 97 93 1.0
1 97 92 1.0
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1 99 92 1.0
1 100 92 1.0
1 101 92 1.0
1 102 92 1.0
1 103 92 1.0
1 103 91 1.0
1 104 91 1.0
1 105 91 1.0
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1 106 90 1.0
1 107 90 1.0
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1 8
no_chdf20 1 0.0 1.0 1.0e+019 1 1
4 108 11 0.3349255834155
4 107 11 1.0
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4 106 10 1.0
4 105 10 1.0
4 105 9 1.0
4 104 9 1.0
4 103 9 0.0818590510795
```

```
# MF2K DISCRETIZATION FILE
#
#
# NLAY NROW NCOL NPER TIMEUNITS LENUNITS
6 137 98 1 4 1
0 0 0 0 0 0
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79.535205611478 79.535205611478 79.535205611478 79.535205611478
79.535205611478 79.535205611478 79.535205611478 79.535205611478
79.535205611478 79.535205611478 79.535205611478 79.535205611478
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79.535205611477 79.535205611478 79.535205611478 79.535205611478
79.535205611478 79.535205611478 79.535205611478 79.535205611478
79.535205611478 79.535205611478 79.535205611477 79.535205611478
79.535205611477 79.535205611478 79.535205611478 79.535205611478
79.535205611478 79.535205611478 79.535205611478 78.460709418025
71.32791765275 64.8435615025 58.948692275 53.58972025 48.7179275
44.289025 40.26275 36.6025 33.275 30.25 27.5 25.0 27.5 30.25 33.275
36.6025 40.26275 44.289025 48.7179275 53.58972025 58.948692275
64.8435615025 71.32791765275 78.26135655948 78.261356559481
78.26135655948 78.26135655948 78.261356559481 78.26135655948
78.26135655948 78.26135655948 78.261356559481 78.26135655948
78.26135655948 78.261356559481 78.26135655948 78.26135655948
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78.261356559481 78.261356559481 78.26135655948 78.26135655948
78.261356559481
INTERNAL 1.0 (free) -1
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78.788681294944 78.788681294944 78.788681294944 78.788681294944
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78.788681294944 78.788681294945 78.788681294944 78.788681294945
78.788681294944 78.788681294945 78.788681294944 78.460709418026
71.327917652749 64.8435615025 58.948692275 53.58972025 48.7179275
44.289025 40.26275 36.602500000001 33.275 30.25 27.5 25.0 27.5 30.25
33.275 36.602500000001 40.26275 44.289025 48.7179275 53.58972025
58.948692275 64.8435615025 71.327917652749 78.460709418026
78.538343328334 78.538343328334 78.538343328334 78.538343328334
78.538343328334 78.538343328334 78.538343328334 78.538343328334
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78.538343328334 78.538343328334 78.538343328334 78.538343328334
78.53834332833
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HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/bot1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/bot2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/bot3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/bot4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/bot5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/bot6" 1 0 13426
1.0 1 1.0 SS
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329998.70383702 1.0 no_ghbf0
#GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 3 223246.12936002
327906.04715751 1.0 no_ghbf1
#GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 4 217142.50205785
326734.23394706 1.0 no_ghbf2
#GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 6 222578.35112892
322254.84184513 1.0 no_ghbf3
#GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 7 217489.64947981
323175.8728997 1.0 no_ghbf4
#GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 1 221592.17305898
329998.70383702 1.0 no_ghbf5
#GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 3 223246.12936002
327906.04715751 1.0 no_ghbf6
#GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 4 217142.50205785
326734.23394706 1.0 no_ghbf7
#GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 6 222578.35112892
322254.84184513 1.0 no_ghbf8
#GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 7 217489.64947981
323175.8728997 1.0 no_ghbf9
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1.0 1.0 0
1 89
no_ghbf0 1 0.0 1.0 1.0e+019 1 1
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no_ghbf1 1 0.0 1.0 1.0e+019 1 1
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6 33 92 1.0
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6 82 6 1.0
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6 89 6 1.0
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5 53 5 1.0
5 54 5 1.0
5 55 5 1.0
5 56 5 1.0
5 57 5 1.0
5 58 5 1.0
5 59 5 1.0
5 60 5 1.0
5 61 5 1.0
5 62 5 1.0
5 63 5 1.0
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5 64 5 1.0
5 65 5 1.0
5 66 5 1.0
5 67 5 1.0
5 67 4 1.0
5 67 5 1.0
5 68 5 1.0
5 69 5 1.0
5 70 5 1.0
5 71 5 1.0
5 72 5 1.0
5 73 5 1.0
5 74 5 1.0
5 75 5 1.0
5 76 5 1.0
5 77 5 1.0
5 78 5 1.0
5 79 5 1.0
5 80 5 1.0
5 81 5 1.0
5 82 5 1.0
5 82 6 1.0
5 83 6 1.0
5 84 6 1.0
5 85 6 1.0
5 86 6 1.0
5 87 6 1.0
5 88 6 1.0
5 89 6 1.0
5 89 7 1.0
5 90 7 1.0
5 91 7 1.0
5 92 7 1.0
5 93 7 1.0
5 94 7 1.0
5 95 7 1.0
5 95 8 1.0
5 96 8 1.0
5 97 8 1.0
5 98 8 1.0
5 99 8 1.0
5 100 8 1.0
5 101 8 1.0
5 102 8 1.0
5 102 9 1.0
5 103 9 1.0
1 202
no_ghbf8 1 0.0 1.0 1.0e+019 1 1
5 108 11 1.0
5 109 11 1.0
5 109 12 1.0
5 110 12 1.0
5 111 12 1.0
5 111 13 1.0
5 112 13 1.0
5 113 13 1.0
5 113 14 1.0
5 114 14 1.0
5 114 15 1.0
5 115 15 1.0
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5 116 15 1.0
5 116 16 1.0
5 117 16 1.0
5 118 16 1.0
5 118 17 1.0
5 119 17 1.0
5 120 17 1.0
5 120 18 1.0
5 121 18 1.0
5 122 18 1.0
5 122 19 1.0
5 123 19 1.0
5 124 19 1.0
5 124 20 1.0
5 125 20 1.0
5 125 21 1.0
5 125 22 1.0
5 126 22 1.0
5 126 23 1.0
5 126 24 1.0
5 126 25 1.0
5 126 26 1.0
5 127 26 1.0
5 127 27 1.0
5 127 28 1.0
5 127 29 1.0
5 128 29 1.0
5 128 30 1.0
5 128 31 1.0
5 128 32 1.0
5 128 33 1.0
5 129 33 1.0
5 129 34 1.0
5 129 35 1.0
5 129 36 1.0
5 130 36 1.0
5 130 37 1.0
5 130 38 1.0
5 130 39 1.0
5 130 40 1.0
5 130 41 1.0
5 131 41 1.0
5 131 42 1.0
5 131 43 1.0
5 131 44 1.0
5 131 45 1.0
5 131 46 1.0
5 131 47 1.0
5 131 48 1.0
5 131 49 1.0
5 132 49 1.0
5 132 50 1.0
5 132 51 1.0
5 132 52 1.0
5 132 53 1.0
5 131 53 1.0
5 131 54 1.0
5 131 55 1.0
5 131 56 1.0
5 131 57 1.0
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5 131 58 1.0
5 131 59 1.0
5 130 59 1.0
5 130 60 1.0
5 130 61 1.0
5 130 62 1.0
5 130 63 1.0
5 129 63 1.0
5 129 64 1.0
5 129 65 1.0
5 129 66 1.0
5 129 67 1.0
5 128 67 1.0
5 128 68 1.0
5 128 69 1.0
5 128 70 1.0
5 128 71 1.0
5 127 71 1.0
5 127 72 1.0
5 127 73 1.0
5 127 74 1.0
5 127 75 1.0
5 126 75 1.0
5 126 76 1.0
5 126 77 1.0
5 126 78 1.0
5 126 79 1.0
5 125 79 1.0
5 125 80 1.0
5 124 80 1.0
5 124 81 1.0
5 123 81 1.0
5 122 81 1.0
5 122 82 1.0
5 121 82 1.0
5 120 82 1.0
5 120 83 1.0
5 119 83 1.0
5 119 84 1.0
5 118 84 1.0
5 117 84 1.0
5 117 85 1.0
5 116 85 1.0
5 115 85 1.0
5 115 86 1.0
5 114 86 1.0
5 113 86 1.0
5 113 87 1.0
5 112 87 1.0
5 111 87 1.0
5 111 88 1.0
5 110 88 1.0
5 109 88 1.0
5 109 89 1.0
5 108 89 1.0
5 107 89 1.0
5 107 90 1.0
5 106 90 1.0
5 105 90 1.0
5 105 91 1.0
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5 104 91 1.0
5 103 91 1.0
5 103 92 1.0
5 102 92 1.0
5 101 92 1.0
5 100 92 1.0
5 99 92 1.0
5 98 92 1.0
5 97 92 1.0
5 97 93 1.0
5 96 93 1.0
5 95 93 1.0
5 94 93 1.0
5 93 93 1.0
5 92 93 1.0
5 91 93 1.0
5 90 93 1.0
5 89 93 1.0
5 88 93 1.0
5 87 93 1.0
5 86 93 1.0
5 85 93 1.0
5 84 93 1.0
5 83 93 1.0
5 83 94 1.0
5 82 94 1.0
5 81 94 1.0
5 80 94 1.0
5 79 94 1.0
5 78 94 1.0
5 77 94 1.0
5 76 94 1.0
5 75 94 1.0
5 74 94 1.0
5 73 94 1.0
5 72 94 1.0
5 71 94 1.0
5 70 94 1.0
5 69 94 1.0
5 68 94 1.0
5 67 94 1.0
5 66 94 1.0
5 65 94 1.0
5 64 94 1.0
5 63 94 1.0
5 62 94 1.0
5 61 94 1.0
5 60 94 1.0
5 59 94 1.0
5 58 94 1.0
5 57 94 1.0
5 56 94 1.0
5 55 94 1.0
5 54 94 1.0
5 53 94 1.0
5 52 94 1.0
5 51 94 1.0
5 50 94 1.0
5 49 94 1.0
5 48 94 1.0
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5 47 94 1.0
5 47 93 1.0
5 46 93 1.0
5 45 93 1.0
5 44 93 1.0
5 43 93 1.0
5 42 93 1.0
5 41 93 1.0
5 40 93 1.0
5 39 93 1.0
1 9
no_ghbf9 1 0.0 1.0 1.0e+019 1 1
5 103 9 0.0
5 103 9 1.0
5 104 9 1.0
5 105 9 1.0
5 105 10 1.0
5 106 10 1.0
5 107 10 1.0
5 107 11 1.0
5 108 11 1.0
```

```
#GMS_HDF5_01
874 740 AUX IFACE AUX CONDFACT AUX CELLGRP
       874         0         0
GMS_HDF5_01 "FINALWALL-LOWK-6-11.h5" "General Head" 1
```

```
                                   MODFLOW-2000
      U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER FLOW
MODEL
                             VERSION 1.19.01 03/25/2010


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

 GLOBAL LISTING FILE: "FINALWALL-LOWK-6-11.glo"
                         UNIT  701

 OPENING "FINALWALL-LOWK-6-11.out"
 FILE TYPE:LIST   UNIT  702   STATUS:REPLACE
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.hed"
 FILE TYPE:DATA(BINARY)   UNIT  730   STATUS:UNKNOWN
 FORMAT:BINARY                 ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.ccf"
 FILE TYPE:DATA(BINARY)   UNIT  740   STATUS:UNKNOWN
 FORMAT:BINARY                 ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.lmt"
 FILE TYPE:LMT6   UNIT  718   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL
#
# Obs-Sen-Pes Process Input Files

 OPENING "FINALWALL-LOWK-6-11.obs"
 FILE TYPE:OBS   UNIT  750   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.hob"
 FILE TYPE:HOB   UNIT  751   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.gbob"
 FILE TYPE:GBOB   UNIT  753   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.chob"
 FILE TYPE:CHOB   UNIT  755   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.t_snn"
 FILE TYPE:SEN   UNIT  757   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.pes"
 FILE TYPE:PES   UNIT  758   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 FILE TYPE:ASP: FILE = FINALWALL-LOWK-6-11.asp
#
# Global Input Files

 OPENING "FINALWALL-LOWK-6-11.dis"
 FILE TYPE:DIS   UNIT  719   STATUS:OLD
```

```
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL
#
# Flow Process Input Files

 OPENING "FINALWALL-LOWK-6-11.ba6"
 FILE TYPE:BAS6   UNIT  703   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.lpf"
 FILE TYPE:LPF   UNIT  704   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.oc"
 FILE TYPE:OC   UNIT  715   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.wel"
 FILE TYPE:WEL   UNIT  709   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.ghb"
 FILE TYPE:GHB   UNIT  711   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.chd"
 FILE TYPE:CHD   UNIT  713   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 OPENING "FINALWALL-LOWK-6-11.pcg"
 FILE TYPE:PCG   UNIT  714   STATUS:OLD
 FORMAT:FORMATTED              ACCESS:SEQUENTIAL

 THE FREE FORMAT OPTION HAS BEEN SELECTED

 DISCRETIZATION INPUT DATA READ FROM UNIT  719
 # MF2K DISCRETIZATION FILE
 #
 #
 # NLAY NROW NCOL NPER TIMEUNITS LENUNITS
    6 LAYERS       137 ROWS        98 COLUMNS
    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

     725239  ELEMENTS OF GX ARRAY USED OUT OF     725239
      80556  ELEMENTS OF GZ ARRAY USED OUT OF      80556
      80556  ELEMENTS OF IG ARRAY USED OUT OF      80556


----------------------------------------------------------------------
```

```
-------

 VARIABLES READ FROM ASP INPUT FILE:-

 NOSTOP = 0          : CEASE EXECUTION IF MODFLOW FAILS TO CONVERGE.
 HYDRYBOT = 0        : ASSIGN HDRY TO HEAD IN DRY CELL.
 MINTHICK =     1.000: MINIMUM SATURATED THICKNESS FOR BASAL CELLS.
 LIMOP = 0           : NO LIMITATIONS ON OBSERVATION OR SENSITIVITY
OUTPUT.


-----------------------------------------------------------------------
-------




                                DELR
 READING ON UNIT  719 WITH FORMAT: (FREE)



                                DELC
 READING ON UNIT  719 WITH FORMAT: (FREE)


 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  704
 CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT  740
 HEAD AT CELLS THAT CONVERT TO DRY=  -888.00
 No named parameters

   LAYER FLAGS:
 LAYER       LAYTYP        LAYAVG         CHANI        LAYVKA
LAYWET

-----------------------------------------------------------------------
---
    1             1             0    -1.000E+00             1
0
    2             1             0    -1.000E+00             1
0
    3             1             0    -1.000E+00             1
0
    4             1             0    -1.000E+00             1
0
    5             1             0    -1.000E+00             1
```

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

   INTERPRETATION OF LAYER FLAGS:
                        INTERBLOCK     HORIZONTAL    DATA IN
         LAYER TYPE   TRANSMISSIVITY   ANISOTROPY   ARRAY VKA
WETTABILITY
 LAYER      (LAYTYP)      (LAYAVG)       (CHANI)      (LAYVKA)
(LAYWET)

-----------------------------------------------------------------------
---
    1   CONVERTIBLE      HARMONIC      VARIABLE    ANISOTROPY  NON-
WETTABLE
    2   CONVERTIBLE      HARMONIC      VARIABLE    ANISOTROPY  NON-
WETTABLE
    3   CONVERTIBLE      HARMONIC      VARIABLE    ANISOTROPY  NON-
WETTABLE
    4   CONVERTIBLE      HARMONIC      VARIABLE    ANISOTROPY  NON-
WETTABLE
    5   CONVERTIBLE      HARMONIC      VARIABLE    ANISOTROPY  NON-
WETTABLE
    6   CONVERTIBLE      HARMONIC      VARIABLE    ANISOTROPY  NON-
WETTABLE

     308798 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    100 CALLS OF SOLUTION ROUTINE
 MAXIMUM OF    100 INTERNAL ITERATIONS PER CALL TO SOLUTION ROUTINE
 MATRIX PRECONDITIONING TYPE :    1
     181112 ELEMENTS IN X ARRAY ARE USED BY PCG
      70000 ELEMENTS IN IX ARRAY ARE USED BY PCG
     322224 ELEMENTS IN Z ARRAY ARE USED BY PCG

 SEN1BAS6 -- SENSITIVITY PROCESS, VERSION 1.0, 10/15/98
 INPUT READ FROM UNIT  757

 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

      80578 ELEMENTS IN X ARRAY ARE USED FOR SENSITIVITIES
      80556 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 750
 OBSERVATION GRAPH-DATA OUTPUT FILES
 WILL BE PRINTED AND NAMED USING THE BASE: FINALWALL-LOWK-6-11

 HEAD OBSERVATIONS -- INPUT READ FROM UNIT 751
 #           CoverageGUID ObjectType ID X Y Time OBNAME
 #GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17080, 221321.0,
326721.0 ts_0 hed1
 #GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17081, 219772.0,
326783.0 ts_0 hed2
```

```
 #GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17082, 220786.0,
324855.0 ts_0 hed3
 #GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17083, 220375.0,
323884.0 ts_0 hed4
 #GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17084, 219766.0,
325296.0 ts_0 hed5
 #GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17106, 220139.0,
325390.0 ts_0 hed6

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

 OBS1GHB6 -- OBSERVATION PROCESS (GENERAL HEAD BOUNDARY FLOW
OBSERVATIONS)
 VERSION 1.0, 10/15/98
 INPUT READ FROM UNIT  753
 #           CoverageGUID ObjectType ID X Y Time OBNAME
 #GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 1 221592.17305898
329998.70383702 1.0 no_ghbf0
 #GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 3 223246.12936002
327906.04715751 1.0 no_ghbf1
 #GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 4 217142.50205785
326734.23394706 1.0 no_ghbf2
 #GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 6 222578.35112892
322254.84184513 1.0 no_ghbf3
 #GMSCOMMENT 493720c9-cce2-4875-8a1d-0c8f1fc0c71c ARC 7 217489.64947981
323175.8728997 1.0 no_ghbf4
 #GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 1 221592.17305898
329998.70383702 1.0 no_ghbf5
 #GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 3 223246.12936002
327906.04715751 1.0 no_ghbf6
 #GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 4 217142.50205785
326734.23394706 1.0 no_ghbf7
 #GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 6 222578.35112892
322254.84184513 1.0 no_ghbf8
 #GMSCOMMENT 5cdc328f-7c6c-4d61-a175-a9b6a1d4e818 ARC 7 217489.64947981
323175.8728997 1.0 no_ghbf9

 NUMBER OF FLOW-OBSERVATION GENERAL-HEAD-CELL GROUPS:     10
   NUMBER OF CELLS IN GENERAL-HEAD-CELL GROUPS......:    878
   NUMBER OF GENERAL-HEAD-CELL FLOWS................:     10

 OBS1BAS6F -- OBSERVATION PROCESS (CONSTANT-HEAD BOUNDARY FLOW
OBSERVATIONS)
 VERSION 1.0, 12/03/99
 INPUT READ FROM UNIT 755
 #           CoverageGUID ObjectType ID X Y Time OBNAME
 #GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 1 221592.17305898
329998.70383702 1.0 no_chdf0
 #GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 3 223246.12936002
327906.04715751 1.0 no_chdf1
 #GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 4 217142.50205785
326734.23394706 1.0 no_chdf2
 #GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 6 222578.35112892
322254.84184513 1.0 no_chdf3
 #GMSCOMMENT 3be4c62f-eb6a-4a97-bc26-429697298077 ARC 7 217489.64947981
323175.8728997 1.0 no_chdf4
 #GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 1 221592.17305898
329998.70383702 1.0 no_chdf5
```

```
 #GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 3 223246.12936002
327906.04715751 1.0 no_chdf6
 #GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 4 217142.50205785
326734.23394706 1.0 no_chdf7
 #GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 6 223218.45089825
323598.51628882 1.0 no_chdf8
 #GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 7 217489.64947981
323175.8728997 1.0 no_chdf9
 #GMSCOMMENT 40032957-9d1e-4e76-a16f-2e3eddda83fc ARC 8 218698.66163564
321550.15247573 1.0 no_chdf10
 #GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 1 221592.17305898
329998.70383702 1.0 no_chdf11
 #GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 3 223246.12936002
327906.04715751 1.0 no_chdf12
 #GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 4 217142.50205785
326734.23394706 1.0 no_chdf13
 #GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 6 222578.35112892
322254.84184513 1.0 no_chdf14
 #GMSCOMMENT 76adf7fe-22ab-44f0-94fb-60adc1ccd96e ARC 7 217489.64947981
323175.8728997 1.0 no_chdf15
 #GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 1 221592.17305898
329998.70383702 1.0 no_chdf16
 #GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 3 223246.12936002
327906.04715751 1.0 no_chdf17
 #GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 4 217142.50205785
326734.23394706 1.0 no_chdf18
 #GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 6 222578.35112892
322254.84184513 1.0 no_chdf19
 #GMSCOMMENT 92ab0c53-96b1-4306-b9c9-5cf3cae37a05 ARC 7 217489.64947981
323175.8728997 1.0 no_chdf20

 NUMBER OF FLOW-OBSERVATION CONSTANT-HEAD-CELL GROUPS:   21
   NUMBER OF CELLS IN CONSTANT-HEAD-CELL GROUPS......: 1745
   NUMBER OF CONSTANT-HEAD-CELL FLOWS................:   21

      15826 ELEMENTS IN X ARRAY ARE USED FOR OBSERVATIONS
       1056 ELEMENTS IN Z ARRAY ARE USED FOR OBSERVATIONS
        311 ELEMENTS IN IX ARRAY ARE USED FOR OBSERVATIONS

 COMMON ERROR VARIANCE FOR ALL OBSERVATIONS SET TO:       1.000

     586314  ELEMENTS OF X ARRAY USED OUT OF     586314
     403836  ELEMENTS OF Z ARRAY USED OUT OF     403836
      70353  ELEMENTS OF IX ARRAY USED OUT OF      70353
          0  ELEMENTS OF XHS ARRAY USED OUT OF          1

 INFORMATION ON PARAMETERS LISTED IN SEN FILE
                                          LOWER         UPPER
ALTERNATE
                        VALUE IN SEN   REASONABLE    REASONABLE
SCALING
    NAME     ISENS  LN   INPUT FILE      LIMIT         LIMIT
FACTOR
 ----------  -----  --  ------------  ------------  ------------
------------
 HK_100        1     1    20.000       0.10000E-02    20.000
1.0000
 GHB_300       1     0    79.704       0.10000E-02    1000.0
1.0000
 GHB_400       1     0    154.83       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

                    REFER.
       OBSERVATION  STRESS    TIME
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET    OBSERVATION  STATISTIC     TYPE
SYM.
     1 hed1             1    0.000       3690.      0.5102      STD.
DEV.      1
     2 hed2             1    0.000       3698.      0.5102      STD.
DEV.      1
     3 hed3             1    0.000       3701.      0.5102      STD.
DEV.      1
     4 hed4             1    0.000       3703.      0.5102      STD.
DEV.      1
     5 hed5             1    0.000       3706.      0.5102      STD.
DEV.      1
     6 hed6             1    0.000       3697.      0.5102      STD.
DEV.      1

                                                   HEAD CHANGE
                                                    REFERENCE
        OBSERVATION                    ROW     COL    OBSERVATION
  OBS#     NAME       LAY  ROW  COL  OFFSET  OFFSET   (IF > 0)
     1  hed1            5   51   68  -0.187   0.060        0
     2  hed2            5   50   39   0.026  -0.009        0
     3  hed3            5   84   61   0.251   0.224        0
     4  hed4            5   97   55  -0.386  -0.062        0
     5  hed5            5   76   39   0.497  -0.111        0
     6  hed6            5   74   48  -0.302   0.400        0

 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:      1   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
89
   NUMBER OF FLOW OBSERVATIONS:      1

                                        OBSERVED
                    REFER.            BOUNDARY FLOW
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        OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
     7 no_ghbf0         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

        LAYER  ROW  COLUMN    FACTOR
           6.   33.    92.     1.00
           6.   32.    92.     1.00
           6.   32.    91.     1.00
           6.   31.    91.     1.00
           6.   30.    91.     1.00
           6.   30.    90.     1.00
           6.   29.    90.     1.00
           6.   29.    89.     1.00
           6.   28.    89.     1.00
           6.   28.    88.     1.00
           6.   27.    88.     1.00
           6.   27.    87.     1.00
           6.   26.    87.     1.00
           6.   26.    86.     1.00
           6.   25.    86.     1.00
           6.   25.    85.     1.00
           6.   24.    85.     1.00
           6.   23.    85.     1.00
           6.   23.    84.     1.00
           6.   22.    84.     1.00
           6.   22.    83.     1.00
           6.   21.    83.     1.00
           6.   21.    82.     1.00
           6.   20.    82.     1.00
           6.   20.    81.     1.00
           6.   19.    81.     1.00
           6.   19.    80.     1.00
           6.   18.    80.     1.00
           6.   18.    79.     1.00
           6.   17.    79.     1.00
           6.   16.    79.     1.00
           6.   16.    78.     1.00
           6.   15.    78.     1.00
           6.   15.    77.     1.00
           6.   14.    77.     1.00
           6.   14.    76.     1.00
           6.   13.    76.     1.00
           6.   13.    75.     1.00
           6.   12.    75.     1.00
           6.   12.    74.     1.00
           6.   11.    74.     1.00
           6.   11.    73.     1.00
           6.   10.    73.     1.00
           6.    9.    73.     1.00
           6.    9.    72.     1.00
           6.    9.    71.     1.00
           6.    9.    70.     1.00
           6.    9.    69.     1.00
           6.    9.    68.     1.00
           6.    9.    67.     1.00
           6.    9.    66.     1.00
           6.    9.    65.     1.00
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          6.    9.    64.     1.00
          6.    8.    64.     1.00
          6.    8.    63.     1.00
          6.    8.    62.     1.00
          6.    8.    61.     1.00
          6.    8.    60.     1.00
          6.    8.    59.     1.00
          6.    8.    58.     1.00
          6.    8.    57.     1.00
          6.    8.    56.     1.00
          6.    8.    55.     1.00
          6.    8.    54.     1.00
          6.    8.    53.     1.00
          6.    8.    52.     1.00
          6.    8.    51.     1.00
          6.    8.    50.     1.00
          6.    7.    50.     1.00
          6.    7.    49.     1.00
          6.    7.    48.     1.00
          6.    7.    47.     1.00
          6.    7.    46.     1.00
          6.    7.    45.     1.00
          6.    7.    44.     1.00
          6.    7.    43.     1.00
          6.    7.    42.     1.00
          6.    7.    41.     1.00
          6.    7.    40.     1.00
          6.    7.    39.     1.00
          6.    7.    38.     1.00
          6.    7.    37.     1.00
          6.    7.    36.     1.00
          6.    7.    35.     1.00
          6.    7.    34.     1.00
          6.    7.    33.     1.00
          6.    6.    33.     1.00
          6.    6.    32.     1.00
          6.    6.    31.     1.00

   GROUP NUMBER:      2   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:      1

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

       LAYER  ROW  COLUMN    FACTOR
          6.   39.    93.     1.00
          6.   38.    93.     1.00
          6.   37.    93.     1.00
          6.   36.    93.     1.00
          6.   35.    93.     1.00
          6.   34.    93.     1.00
          6.   34.    92.     1.00
          6.   33.    92.     1.00
```

GROUP NUMBER: 3 BOUNDARY TYPE: GHB NUMBER OF CELLS IN GROUP: 131
NUMBER OF FLOW OBSERVATIONS: 1

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

LAYER	ROW	COLUMN	FACTOR
6.	6.	31.	0.00
6.	6.	31.	1.00
6.	7.	31.	1.00
6.	7.	30.	1.00
6.	7.	29.	1.00
6.	8.	29.	1.00
6.	8.	28.	1.00
6.	8.	27.	1.00
6.	9.	27.	1.00
6.	9.	26.	1.00
6.	9.	25.	1.00
6.	10.	25.	1.00
6.	10.	24.	1.00
6.	11.	24.	1.00
6.	11.	23.	1.00
6.	11.	22.	1.00
6.	12.	22.	1.00
6.	12.	21.	1.00
6.	12.	20.	1.00
6.	13.	20.	1.00
6.	13.	19.	1.00
6.	13.	18.	1.00
6.	14.	18.	1.00
6.	14.	17.	1.00
6.	15.	17.	1.00
6.	15.	16.	1.00
6.	16.	16.	1.00
6.	16.	15.	1.00
6.	17.	15.	1.00
6.	18.	15.	1.00
6.	18.	14.	1.00
6.	19.	14.	1.00
6.	20.	14.	1.00
6.	20.	13.	1.00
6.	21.	13.	1.00
6.	22.	13.	1.00
6.	22.	12.	1.00
6.	23.	12.	1.00
6.	24.	12.	1.00
6.	24.	11.	1.00
6.	25.	11.	1.00
6.	26.	11.	1.00
6.	26.	10.	1.00
6.	27.	10.	1.00
6.	28.	10.	1.00

6.	28.	9.	1.00
6.	29.	9.	1.00
6.	30.	9.	1.00
6.	30.	8.	1.00
6.	31.	8.	1.00
6.	32.	8.	1.00
6.	32.	7.	1.00
6.	33.	7.	1.00
6.	34.	7.	1.00
6.	35.	7.	1.00
6.	36.	7.	1.00
6.	36.	6.	1.00
6.	37.	6.	1.00
6.	38.	6.	1.00
6.	39.	6.	1.00
6.	40.	6.	1.00
6.	41.	6.	1.00
6.	42.	6.	1.00
6.	43.	6.	1.00
6.	44.	6.	1.00
6.	45.	6.	1.00
6.	46.	6.	1.00
6.	47.	6.	1.00
6.	48.	6.	1.00
6.	49.	6.	1.00
6.	50.	6.	1.00
6.	51.	6.	1.00
6.	51.	5.	1.00
6.	52.	5.	1.00
6.	53.	5.	1.00
6.	54.	5.	1.00
6.	55.	5.	1.00
6.	56.	5.	1.00
6.	57.	5.	1.00
6.	58.	5.	1.00
6.	59.	5.	1.00
6.	60.	5.	1.00
6.	61.	5.	1.00
6.	62.	5.	1.00
6.	63.	5.	1.00
6.	64.	5.	1.00
6.	65.	5.	1.00
6.	66.	5.	1.00
6.	67.	5.	1.00
6.	67.	4.	1.00
6.	67.	5.	1.00
6.	68.	5.	1.00
6.	69.	5.	1.00
6.	70.	5.	1.00
6.	71.	5.	1.00
6.	72.	5.	1.00
6.	73.	5.	1.00
6.	74.	5.	1.00
6.	75.	5.	1.00
6.	76.	5.	1.00
6.	77.	5.	1.00
6.	78.	5.	1.00
6.	79.	5.	1.00
6.	80.	5.	1.00
6.	81.	5.	1.00

```
          6.   82.     5.     1.00
          6.   82.     6.     1.00
          6.   83.     6.     1.00
          6.   84.     6.     1.00
          6.   85.     6.     1.00
          6.   86.     6.     1.00
          6.   87.     6.     1.00
          6.   88.     6.     1.00
          6.   89.     6.     1.00
          6.   89.     7.     1.00
          6.   90.     7.     1.00
          6.   91.     7.     1.00
          6.   92.     7.     1.00
          6.   93.     7.     1.00
          6.   94.     7.     1.00
          6.   95.     7.     1.00
          6.   95.     8.     1.00
          6.   96.     8.     1.00
          6.   97.     8.     1.00
          6.   98.     8.     1.00
          6.   99.     8.     1.00
          6.  100.     8.     1.00
          6.  101.     8.     1.00
          6.  102.     8.     1.00
          6.  102.     9.     1.00
          6.  103.     9.     1.00

   GROUP NUMBER:      4   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
202
   NUMBER OF FLOW OBSERVATIONS:      1

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

       LAYER  ROW  COLUMN    FACTOR
          6.  108.    11.     1.00
          6.  109.    11.     1.00
          6.  109.    12.     1.00
          6.  110.    12.     1.00
          6.  111.    12.     1.00
          6.  111.    13.     1.00
          6.  112.    13.     1.00
          6.  113.    13.     1.00
          6.  113.    14.     1.00
          6.  114.    14.     1.00
          6.  114.    15.     1.00
          6.  115.    15.     1.00
          6.  116.    15.     1.00
          6.  116.    16.     1.00
          6.  117.    16.     1.00
          6.  118.    16.     1.00
          6.  118.    17.     1.00
          6.  119.    17.     1.00
          6.  120.    17.     1.00
```

6.	120.	18.	1.00
6.	121.	18.	1.00
6.	122.	18.	1.00
6.	122.	19.	1.00
6.	123.	19.	1.00
6.	124.	19.	1.00
6.	124.	20.	1.00
6.	125.	20.	1.00
6.	125.	21.	1.00
6.	125.	22.	1.00
6.	126.	22.	1.00
6.	126.	23.	1.00
6.	126.	24.	1.00
6.	126.	25.	1.00
6.	126.	26.	1.00
6.	127.	26.	1.00
6.	127.	27.	1.00
6.	127.	28.	1.00
6.	127.	29.	1.00
6.	128.	29.	1.00
6.	128.	30.	1.00
6.	128.	31.	1.00
6.	128.	32.	1.00
6.	128.	33.	1.00
6.	129.	33.	1.00
6.	129.	34.	1.00
6.	129.	35.	1.00
6.	129.	36.	1.00
6.	130.	36.	1.00
6.	130.	37.	1.00
6.	130.	38.	1.00
6.	130.	39.	1.00
6.	130.	40.	1.00
6.	130.	41.	1.00
6.	131.	41.	1.00
6.	131.	42.	1.00
6.	131.	43.	1.00
6.	131.	44.	1.00
6.	131.	45.	1.00
6.	131.	46.	1.00
6.	131.	47.	1.00
6.	131.	48.	1.00
6.	131.	49.	1.00
6.	132.	49.	1.00
6.	132.	50.	1.00
6.	132.	51.	1.00
6.	132.	52.	1.00
6.	132.	53.	1.00
6.	131.	53.	1.00
6.	131.	54.	1.00
6.	131.	55.	1.00
6.	131.	56.	1.00
6.	131.	57.	1.00
6.	131.	58.	1.00
6.	131.	59.	1.00
6.	130.	59.	1.00
6.	130.	60.	1.00
6.	130.	61.	1.00
6.	130.	62.	1.00
6.	130.	63.	1.00

6.	129.	63.	1.00
6.	129.	64.	1.00
6.	129.	65.	1.00
6.	129.	66.	1.00
6.	129.	67.	1.00
6.	128.	67.	1.00
6.	128.	68.	1.00
6.	128.	69.	1.00
6.	128.	70.	1.00
6.	128.	71.	1.00
6.	127.	71.	1.00
6.	127.	72.	1.00
6.	127.	73.	1.00
6.	127.	74.	1.00
6.	127.	75.	1.00
6.	126.	75.	1.00
6.	126.	76.	1.00
6.	126.	77.	1.00
6.	126.	78.	1.00
6.	126.	79.	1.00
6.	125.	79.	1.00
6.	125.	80.	1.00
6.	124.	80.	1.00
6.	124.	81.	1.00
6.	123.	81.	1.00
6.	122.	81.	1.00
6.	122.	82.	1.00
6.	121.	82.	1.00
6.	120.	82.	1.00
6.	120.	83.	1.00
6.	119.	83.	1.00
6.	119.	84.	1.00
6.	118.	84.	1.00
6.	117.	84.	1.00
6.	117.	85.	1.00
6.	116.	85.	1.00
6.	115.	85.	1.00
6.	115.	86.	1.00
6.	114.	86.	1.00
6.	113.	86.	1.00
6.	113.	87.	1.00
6.	112.	87.	1.00
6.	111.	87.	1.00
6.	111.	88.	1.00
6.	110.	88.	1.00
6.	109.	88.	1.00
6.	109.	89.	1.00
6.	108.	89.	1.00
6.	107.	89.	1.00
6.	107.	90.	1.00
6.	106.	90.	1.00
6.	105.	90.	1.00
6.	105.	91.	1.00
6.	104.	91.	1.00
6.	103.	91.	1.00
6.	103.	92.	1.00
6.	102.	92.	1.00
6.	101.	92.	1.00
6.	100.	92.	1.00
6.	99.	92.	1.00

6.	98.	92.	1.00
6.	97.	92.	1.00
6.	97.	93.	1.00
6.	96.	93.	1.00
6.	95.	93.	1.00
6.	94.	93.	1.00
6.	93.	93.	1.00
6.	92.	93.	1.00
6.	91.	93.	1.00
6.	90.	93.	1.00
6.	89.	93.	1.00
6.	88.	93.	1.00
6.	87.	93.	1.00
6.	86.	93.	1.00
6.	85.	93.	1.00
6.	84.	93.	1.00
6.	83.	93.	1.00
6.	83.	94.	1.00
6.	82.	94.	1.00
6.	81.	94.	1.00
6.	80.	94.	1.00
6.	79.	94.	1.00
6.	78.	94.	1.00
6.	77.	94.	1.00
6.	76.	94.	1.00
6.	75.	94.	1.00
6.	74.	94.	1.00
6.	73.	94.	1.00
6.	72.	94.	1.00
6.	71.	94.	1.00
6.	70.	94.	1.00
6.	69.	94.	1.00
6.	68.	94.	1.00
6.	67.	94.	1.00
6.	66.	94.	1.00
6.	65.	94.	1.00
6.	64.	94.	1.00
6.	63.	94.	1.00
6.	62.	94.	1.00
6.	61.	94.	1.00
6.	60.	94.	1.00
6.	59.	94.	1.00
6.	58.	94.	1.00
6.	57.	94.	1.00
6.	56.	94.	1.00
6.	55.	94.	1.00
6.	54.	94.	1.00
6.	53.	94.	1.00
6.	52.	94.	1.00
6.	51.	94.	1.00
6.	50.	94.	1.00
6.	49.	94.	1.00
6.	48.	94.	1.00
6.	47.	94.	1.00
6.	47.	93.	1.00
6.	46.	93.	1.00
6.	45.	93.	1.00
6.	44.	93.	1.00
6.	43.	93.	1.00
6.	42.	93.	1.00

```
          6.   41.    93.     1.00
          6.   40.    93.     1.00
          6.   39.    93.     1.00

   GROUP NUMBER:      5   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
9
   NUMBER OF FLOW OBSERVATIONS:      1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    11 no_ghbf4         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          6.  103.     9.     0.00
          6.  103.     9.     1.00
          6.  104.     9.     1.00
          6.  105.     9.     1.00
          6.  105.    10.     1.00
          6.  106.    10.     1.00
          6.  107.    10.     1.00
          6.  107.    11.     1.00
          6.  108.    11.     1.00

   GROUP NUMBER:      6   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
89
   NUMBER OF FLOW OBSERVATIONS:      1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    12 no_ghbf5         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          5.   33.    92.     1.00
          5.   32.    92.     1.00
          5.   32.    91.     1.00
          5.   31.    91.     1.00
          5.   30.    91.     1.00
          5.   30.    90.     1.00
          5.   29.    90.     1.00
          5.   29.    89.     1.00
          5.   28.    89.     1.00
          5.   28.    88.     1.00
          5.   27.    88.     1.00
          5.   27.    87.     1.00
          5.   26.    87.     1.00
          5.   26.    86.     1.00
          5.   25.    86.     1.00
          5.   25.    85.     1.00
          5.   24.    85.     1.00
          5.   23.    85.     1.00
```

5.	23.	84.	1.00
5.	22.	84.	1.00
5.	22.	83.	1.00
5.	21.	83.	1.00
5.	21.	82.	1.00
5.	20.	82.	1.00
5.	20.	81.	1.00
5.	19.	81.	1.00
5.	19.	80.	1.00
5.	18.	80.	1.00
5.	18.	79.	1.00
5.	17.	79.	1.00
5.	16.	79.	1.00
5.	16.	78.	1.00
5.	15.	78.	1.00
5.	15.	77.	1.00
5.	14.	77.	1.00
5.	14.	76.	1.00
5.	13.	76.	1.00
5.	13.	75.	1.00
5.	12.	75.	1.00
5.	12.	74.	1.00
5.	11.	74.	1.00
5.	11.	73.	1.00
5.	10.	73.	1.00
5.	9.	73.	1.00
5.	9.	72.	1.00
5.	9.	71.	1.00
5.	9.	70.	1.00
5.	9.	69.	1.00
5.	9.	68.	1.00
5.	9.	67.	1.00
5.	9.	66.	1.00
5.	9.	65.	1.00
5.	9.	64.	1.00
5.	8.	64.	1.00
5.	8.	63.	1.00
5.	8.	62.	1.00
5.	8.	61.	1.00
5.	8.	60.	1.00
5.	8.	59.	1.00
5.	8.	58.	1.00
5.	8.	57.	1.00
5.	8.	56.	1.00
5.	8.	55.	1.00
5.	8.	54.	1.00
5.	8.	53.	1.00
5.	8.	52.	1.00
5.	8.	51.	1.00
5.	8.	50.	1.00
5.	7.	50.	1.00
5.	7.	49.	1.00
5.	7.	48.	1.00
5.	7.	47.	1.00
5.	7.	46.	1.00
5.	7.	45.	1.00
5.	7.	44.	1.00
5.	7.	43.	1.00
5.	7.	42.	1.00
5.	7.	41.	1.00

```
          5.    7.    40.     1.00
          5.    7.    39.     1.00
          5.    7.    38.     1.00
          5.    7.    37.     1.00
          5.    7.    36.     1.00
          5.    7.    35.     1.00
          5.    7.    34.     1.00
          5.    7.    33.     1.00
          5.    6.    33.     1.00
          5.    6.    32.     1.00
          5.    6.    31.     1.00

   GROUP NUMBER:      7   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:      1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    13 no_ghbf6         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          5.   39.    93.     1.00
          5.   38.    93.     1.00
          5.   37.    93.     1.00
          5.   36.    93.     1.00
          5.   35.    93.     1.00
          5.   34.    93.     1.00
          5.   34.    92.     1.00
          5.   33.    92.     1.00

   GROUP NUMBER:      8   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
131
   NUMBER OF FLOW OBSERVATIONS:      1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    14 no_ghbf7         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          5.    6.    31.     0.00
          5.    6.    31.     1.00
          5.    7.    31.     1.00
          5.    7.    30.     1.00
          5.    7.    29.     1.00
          5.    8.    29.     1.00
          5.    8.    28.     1.00
          5.    8.    27.     1.00
          5.    9.    27.     1.00
          5.    9.    26.     1.00
          5.    9.    25.     1.00
```

5.	10.	25.	1.00
5.	10.	24.	1.00
5.	11.	24.	1.00
5.	11.	23.	1.00
5.	11.	22.	1.00
5.	12.	22.	1.00
5.	12.	21.	1.00
5.	12.	20.	1.00
5.	13.	20.	1.00
5.	13.	19.	1.00
5.	13.	18.	1.00
5.	14.	18.	1.00
5.	14.	17.	1.00
5.	15.	17.	1.00
5.	15.	16.	1.00
5.	16.	16.	1.00
5.	16.	15.	1.00
5.	17.	15.	1.00
5.	18.	15.	1.00
5.	18.	14.	1.00
5.	19.	14.	1.00
5.	20.	14.	1.00
5.	20.	13.	1.00
5.	21.	13.	1.00
5.	22.	13.	1.00
5.	22.	12.	1.00
5.	23.	12.	1.00
5.	24.	12.	1.00
5.	24.	11.	1.00
5.	25.	11.	1.00
5.	26.	11.	1.00
5.	26.	10.	1.00
5.	27.	10.	1.00
5.	28.	10.	1.00
5.	28.	9.	1.00
5.	29.	9.	1.00
5.	30.	9.	1.00
5.	30.	8.	1.00
5.	31.	8.	1.00
5.	32.	8.	1.00
5.	32.	7.	1.00
5.	33.	7.	1.00
5.	34.	7.	1.00
5.	35.	7.	1.00
5.	36.	7.	1.00
5.	36.	6.	1.00
5.	37.	6.	1.00
5.	38.	6.	1.00
5.	39.	6.	1.00
5.	40.	6.	1.00
5.	41.	6.	1.00
5.	42.	6.	1.00
5.	43.	6.	1.00
5.	44.	6.	1.00
5.	45.	6.	1.00
5.	46.	6.	1.00
5.	47.	6.	1.00
5.	48.	6.	1.00
5.	49.	6.	1.00
5.	50.	6.	1.00

5.	51.	6.	1.00
5.	51.	5.	1.00
5.	52.	5.	1.00
5.	53.	5.	1.00
5.	54.	5.	1.00
5.	55.	5.	1.00
5.	56.	5.	1.00
5.	57.	5.	1.00
5.	58.	5.	1.00
5.	59.	5.	1.00
5.	60.	5.	1.00
5.	61.	5.	1.00
5.	62.	5.	1.00
5.	63.	5.	1.00
5.	64.	5.	1.00
5.	65.	5.	1.00
5.	66.	5.	1.00
5.	67.	5.	1.00
5.	67.	4.	1.00
5.	67.	5.	1.00
5.	68.	5.	1.00
5.	69.	5.	1.00
5.	70.	5.	1.00
5.	71.	5.	1.00
5.	72.	5.	1.00
5.	73.	5.	1.00
5.	74.	5.	1.00
5.	75.	5.	1.00
5.	76.	5.	1.00
5.	77.	5.	1.00
5.	78.	5.	1.00
5.	79.	5.	1.00
5.	80.	5.	1.00
5.	81.	5.	1.00
5.	82.	5.	1.00
5.	82.	6.	1.00
5.	83.	6.	1.00
5.	84.	6.	1.00
5.	85.	6.	1.00
5.	86.	6.	1.00
5.	87.	6.	1.00
5.	88.	6.	1.00
5.	89.	6.	1.00
5.	89.	7.	1.00
5.	90.	7.	1.00
5.	91.	7.	1.00
5.	92.	7.	1.00
5.	93.	7.	1.00
5.	94.	7.	1.00
5.	95.	7.	1.00
5.	95.	8.	1.00
5.	96.	8.	1.00
5.	97.	8.	1.00
5.	98.	8.	1.00
5.	99.	8.	1.00
5.	100.	8.	1.00
5.	101.	8.	1.00
5.	102.	8.	1.00
5.	102.	9.	1.00
5.	103.	9.	1.00

GROUP NUMBER: 9 BOUNDARY TYPE: GHB NUMBER OF CELLS IN GROUP: 202
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_ghbf8	1	0.000	1.000	0.1000E+20	STD. DEV.	1

LAYER	ROW	COLUMN	FACTOR
5.	108.	11.	1.00
5.	109.	11.	1.00
5.	109.	12.	1.00
5.	110.	12.	1.00
5.	111.	12.	1.00
5.	111.	13.	1.00
5.	112.	13.	1.00
5.	113.	13.	1.00
5.	113.	14.	1.00
5.	114.	14.	1.00
5.	114.	15.	1.00
5.	115.	15.	1.00
5.	116.	15.	1.00
5.	116.	16.	1.00
5.	117.	16.	1.00
5.	118.	16.	1.00
5.	118.	17.	1.00
5.	119.	17.	1.00
5.	120.	17.	1.00
5.	120.	18.	1.00
5.	121.	18.	1.00
5.	122.	18.	1.00
5.	122.	19.	1.00
5.	123.	19.	1.00
5.	124.	19.	1.00
5.	124.	20.	1.00
5.	125.	20.	1.00
5.	125.	21.	1.00
5.	125.	22.	1.00
5.	126.	22.	1.00
5.	126.	23.	1.00
5.	126.	24.	1.00
5.	126.	25.	1.00
5.	126.	26.	1.00
5.	127.	26.	1.00
5.	127.	27.	1.00
5.	127.	28.	1.00
5.	127.	29.	1.00
5.	128.	29.	1.00
5.	128.	30.	1.00
5.	128.	31.	1.00
5.	128.	32.	1.00
5.	128.	33.	1.00
5.	129.	33.	1.00
5.	129.	34.	1.00

5.	129.	35.	1.00
5.	129.	36.	1.00
5.	130.	36.	1.00
5.	130.	37.	1.00
5.	130.	38.	1.00
5.	130.	39.	1.00
5.	130.	40.	1.00
5.	130.	41.	1.00
5.	131.	41.	1.00
5.	131.	42.	1.00
5.	131.	43.	1.00
5.	131.	44.	1.00
5.	131.	45.	1.00
5.	131.	46.	1.00
5.	131.	47.	1.00
5.	131.	48.	1.00
5.	131.	49.	1.00
5.	132.	49.	1.00
5.	132.	50.	1.00
5.	132.	51.	1.00
5.	132.	52.	1.00
5.	132.	53.	1.00
5.	131.	53.	1.00
5.	131.	54.	1.00
5.	131.	55.	1.00
5.	131.	56.	1.00
5.	131.	57.	1.00
5.	131.	58.	1.00
5.	131.	59.	1.00
5.	130.	59.	1.00
5.	130.	60.	1.00
5.	130.	61.	1.00
5.	130.	62.	1.00
5.	130.	63.	1.00
5.	129.	63.	1.00
5.	129.	64.	1.00
5.	129.	65.	1.00
5.	129.	66.	1.00
5.	129.	67.	1.00
5.	128.	67.	1.00
5.	128.	68.	1.00
5.	128.	69.	1.00
5.	128.	70.	1.00
5.	128.	71.	1.00
5.	127.	71.	1.00
5.	127.	72.	1.00
5.	127.	73.	1.00
5.	127.	74.	1.00
5.	127.	75.	1.00
5.	126.	75.	1.00
5.	126.	76.	1.00
5.	126.	77.	1.00
5.	126.	78.	1.00
5.	126.	79.	1.00
5.	125.	79.	1.00
5.	125.	80.	1.00
5.	124.	80.	1.00
5.	124.	81.	1.00
5.	123.	81.	1.00
5.	122.	81.	1.00

5.	122.	82.	1.00
5.	121.	82.	1.00
5.	120.	82.	1.00
5.	120.	83.	1.00
5.	119.	83.	1.00
5.	119.	84.	1.00
5.	118.	84.	1.00
5.	117.	84.	1.00
5.	117.	85.	1.00
5.	116.	85.	1.00
5.	115.	85.	1.00
5.	115.	86.	1.00
5.	114.	86.	1.00
5.	113.	86.	1.00
5.	113.	87.	1.00
5.	112.	87.	1.00
5.	111.	87.	1.00
5.	111.	88.	1.00
5.	110.	88.	1.00
5.	109.	88.	1.00
5.	109.	89.	1.00
5.	108.	89.	1.00
5.	107.	89.	1.00
5.	107.	90.	1.00
5.	106.	90.	1.00
5.	105.	90.	1.00
5.	105.	91.	1.00
5.	104.	91.	1.00
5.	103.	91.	1.00
5.	103.	92.	1.00
5.	102.	92.	1.00
5.	101.	92.	1.00
5.	100.	92.	1.00
5.	99.	92.	1.00
5.	98.	92.	1.00
5.	97.	92.	1.00
5.	97.	93.	1.00
5.	96.	93.	1.00
5.	95.	93.	1.00
5.	94.	93.	1.00
5.	93.	93.	1.00
5.	92.	93.	1.00
5.	91.	93.	1.00
5.	90.	93.	1.00
5.	89.	93.	1.00
5.	88.	93.	1.00
5.	87.	93.	1.00
5.	86.	93.	1.00
5.	85.	93.	1.00
5.	84.	93.	1.00
5.	83.	93.	1.00
5.	83.	94.	1.00
5.	82.	94.	1.00
5.	81.	94.	1.00
5.	80.	94.	1.00
5.	79.	94.	1.00
5.	78.	94.	1.00
5.	77.	94.	1.00
5.	76.	94.	1.00
5.	75.	94.	1.00

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          5.   74.    94.     1.00
          5.   73.    94.     1.00
          5.   72.    94.     1.00
          5.   71.    94.     1.00
          5.   70.    94.     1.00
          5.   69.    94.     1.00
          5.   68.    94.     1.00
          5.   67.    94.     1.00
          5.   66.    94.     1.00
          5.   65.    94.     1.00
          5.   64.    94.     1.00
          5.   63.    94.     1.00
          5.   62.    94.     1.00
          5.   61.    94.     1.00
          5.   60.    94.     1.00
          5.   59.    94.     1.00
          5.   58.    94.     1.00
          5.   57.    94.     1.00
          5.   56.    94.     1.00
          5.   55.    94.     1.00
          5.   54.    94.     1.00
          5.   53.    94.     1.00
          5.   52.    94.     1.00
          5.   51.    94.     1.00
          5.   50.    94.     1.00
          5.   49.    94.     1.00
          5.   48.    94.     1.00
          5.   47.    94.     1.00
          5.   47.    93.     1.00
          5.   46.    93.     1.00
          5.   45.    93.     1.00
          5.   44.    93.     1.00
          5.   43.    93.     1.00
          5.   42.    93.     1.00
          5.   41.    93.     1.00
          5.   40.    93.     1.00
          5.   39.    93.     1.00

   GROUP NUMBER:     10   BOUNDARY TYPE: GHB   NUMBER OF CELLS IN GROUP:
9
   NUMBER OF FLOW OBSERVATIONS:      1

                                          OBSERVED
                    REFER.              BOUNDARY FLOW
       OBSERVATION  STRESS    TIME      GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    16 no_ghbf9         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          5.  103.     9.     0.00
          5.  103.     9.     1.00
          5.  104.     9.     1.00
          5.  105.     9.     1.00
          5.  105.    10.     1.00
          5.  106.    10.     1.00
          5.  107.    10.     1.00
          5.  107.    11.     1.00
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          5.  108.    11.     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:  11   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
89
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    17 no_chdf0         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          3.    6.    31.     0.43
          3.    6.    32.     1.00
          3.    6.    33.     1.00
          3.    7.    33.     1.00
          3.    7.    34.     1.00
          3.    7.    35.     1.00
          3.    7.    36.     1.00
          3.    7.    37.     1.00
          3.    7.    38.     1.00
          3.    7.    39.     1.00
          3.    7.    40.     1.00
          3.    7.    41.     1.00
          3.    7.    42.     1.00
          3.    7.    43.     1.00
          3.    7.    44.     1.00
          3.    7.    45.     1.00
          3.    7.    46.     1.00
          3.    7.    47.     1.00
          3.    7.    48.     1.00
          3.    7.    49.     1.00
          3.    7.    50.     1.00
          3.    8.    50.     1.00
          3.    8.    51.     1.00
          3.    8.    52.     1.00
          3.    8.    53.     1.00
          3.    8.    54.     1.00
          3.    8.    55.     1.00
          3.    8.    56.     1.00
          3.    8.    57.     1.00
          3.    8.    58.     1.00
          3.    8.    59.     1.00
          3.    8.    60.     1.00
          3.    8.    61.     1.00
          3.    8.    62.     1.00
          3.    8.    63.     1.00
          3.    8.    64.     1.00
          3.    9.    64.     1.00
          3.    9.    65.     1.00
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          3.    9.    66.     1.00
          3.    9.    67.     1.00
          3.    9.    68.     1.00
          3.    9.    69.     1.00
          3.    9.    70.     1.00
          3.    9.    71.     1.00
          3.    9.    72.     1.00
          3.    9.    73.     1.00
          3.   10.    73.     1.00
          3.   11.    73.     1.00
          3.   11.    74.     1.00
          3.   12.    74.     1.00
          3.   12.    75.     1.00
          3.   13.    75.     1.00
          3.   13.    76.     1.00
          3.   14.    76.     1.00
          3.   14.    77.     1.00
          3.   15.    77.     1.00
          3.   15.    78.     1.00
          3.   16.    78.     1.00
          3.   16.    79.     1.00
          3.   17.    79.     1.00
          3.   18.    79.     1.00
          3.   18.    80.     1.00
          3.   19.    80.     1.00
          3.   19.    81.     1.00
          3.   20.    81.     1.00
          3.   20.    82.     1.00
          3.   21.    82.     1.00
          3.   21.    83.     1.00
          3.   22.    83.     1.00
          3.   22.    84.     1.00
          3.   23.    84.     1.00
          3.   23.    85.     1.00
          3.   24.    85.     1.00
          3.   25.    85.     1.00
          3.   25.    86.     1.00
          3.   26.    86.     1.00
          3.   26.    87.     1.00
          3.   27.    87.     1.00
          3.   27.    88.     1.00
          3.   28.    88.     1.00
          3.   28.    89.     1.00
          3.   29.    89.     1.00
          3.   29.    90.     1.00
          3.   30.    90.     1.00
          3.   30.    91.     1.00
          3.   31.    91.     1.00
          3.   32.    91.     1.00
          3.   32.    92.     1.00
          3.   33.    92.     0.25

   GROUP NUMBER:  12   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME      GAIN (-) OR
STATISTIC   PLOT
```

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  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    18 no_chdf1         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          3.   33.    92.     0.75
          3.   34.    92.     1.00
          3.   34.    93.     1.00
          3.   35.    93.     1.00
          3.   36.    93.     1.00
          3.   37.    93.     1.00
          3.   38.    93.     1.00
          3.   39.    93.     0.34

   GROUP NUMBER:  13   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
129
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                    REFER.              BOUNDARY FLOW
       OBSERVATION  STRESS    TIME      GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    19 no_chdf2         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          3.  103.     9.     0.92
          3.  102.     9.     1.00
          3.  102.     8.     1.00
          3.  101.     8.     1.00
          3.  100.     8.     1.00
          3.   99.     8.     1.00
          3.   98.     8.     1.00
          3.   97.     8.     1.00
          3.   96.     8.     1.00
          3.   95.     8.     1.00
          3.   95.     7.     1.00
          3.   94.     7.     1.00
          3.   93.     7.     1.00
          3.   92.     7.     1.00
          3.   91.     7.     1.00
          3.   90.     7.     1.00
          3.   89.     7.     1.00
          3.   89.     6.     1.00
          3.   88.     6.     1.00
          3.   87.     6.     1.00
          3.   86.     6.     1.00
          3.   85.     6.     1.00
          3.   84.     6.     1.00
          3.   83.     6.     1.00
          3.   82.     6.     1.00
          3.   82.     5.     1.00
          3.   81.     5.     1.00
          3.   80.     5.     1.00
          3.   79.     5.     1.00
          3.   78.     5.     1.00
          3.   77.     5.     1.00
```

3.	76.	5.	1.00
3.	75.	5.	1.00
3.	74.	5.	1.00
3.	73.	5.	1.00
3.	72.	5.	1.00
3.	71.	5.	1.00
3.	70.	5.	1.00
3.	69.	5.	1.00
3.	68.	5.	1.00
3.	67.	5.	1.00
3.	67.	4.	1.00
3.	66.	5.	1.00
3.	65.	5.	1.00
3.	64.	5.	1.00
3.	63.	5.	1.00
3.	62.	5.	1.00
3.	61.	5.	1.00
3.	60.	5.	1.00
3.	59.	5.	1.00
3.	58.	5.	1.00
3.	57.	5.	1.00
3.	56.	5.	1.00
3.	55.	5.	1.00
3.	54.	5.	1.00
3.	53.	5.	1.00
3.	52.	5.	1.00
3.	51.	5.	1.00
3.	51.	6.	1.00
3.	50.	6.	1.00
3.	49.	6.	1.00
3.	48.	6.	1.00
3.	47.	6.	1.00
3.	46.	6.	1.00
3.	45.	6.	1.00
3.	44.	6.	1.00
3.	43.	6.	1.00
3.	42.	6.	1.00
3.	41.	6.	1.00
3.	40.	6.	1.00
3.	39.	6.	1.00
3.	38.	6.	1.00
3.	37.	6.	1.00
3.	36.	6.	1.00
3.	36.	7.	1.00
3.	35.	7.	1.00
3.	34.	7.	1.00
3.	33.	7.	1.00
3.	32.	7.	1.00
3.	32.	8.	1.00
3.	31.	8.	1.00
3.	30.	8.	1.00
3.	30.	9.	1.00
3.	29.	9.	1.00
3.	28.	9.	1.00
3.	28.	10.	1.00
3.	27.	10.	1.00
3.	26.	10.	1.00
3.	26.	11.	1.00
3.	25.	11.	1.00
3.	24.	11.	1.00

```
          3.   24.    12.     1.00
          3.   23.    12.     1.00
          3.   22.    12.     1.00
          3.   22.    13.     1.00
          3.   21.    13.     1.00
          3.   20.    13.     1.00
          3.   20.    14.     1.00
          3.   19.    14.     1.00
          3.   18.    14.     1.00
          3.   18.    15.     1.00
          3.   17.    15.     1.00
          3.   16.    15.     1.00
          3.   16.    16.     1.00
          3.   15.    16.     1.00
          3.   15.    17.     1.00
          3.   14.    17.     1.00
          3.   14.    18.     1.00
          3.   13.    18.     1.00
          3.   13.    19.     1.00
          3.   13.    20.     1.00
          3.   12.    20.     1.00
          3.   12.    21.     1.00
          3.   12.    22.     1.00
          3.   11.    22.     1.00
          3.   11.    23.     1.00
          3.   11.    24.     1.00
          3.   10.    24.     1.00
          3.   10.    25.     1.00
          3.    9.    25.     1.00
          3.    9.    26.     1.00
          3.    9.    27.     1.00
          3.    8.    27.     1.00
          3.    8.    28.     1.00
          3.    8.    29.     1.00
          3.    7.    29.     1.00
          3.    7.    30.     1.00
          3.    7.    31.     1.00
          3.    6.    31.     0.57

   GROUP NUMBER:  14   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
202
   NUMBER OF FLOW OBSERVATIONS:     1

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

       LAYER  ROW  COLUMN    FACTOR
          3.   39.    93.     0.66
          3.   40.    93.     1.00
          3.   41.    93.     1.00
          3.   42.    93.     1.00
          3.   43.    93.     1.00
          3.   44.    93.     1.00
          3.   45.    93.     1.00
```

3.	46.	93.	1.00
3.	47.	93.	1.00
3.	47.	94.	1.00
3.	48.	94.	1.00
3.	49.	94.	1.00
3.	50.	94.	1.00
3.	51.	94.	1.00
3.	52.	94.	1.00
3.	53.	94.	1.00
3.	54.	94.	1.00
3.	55.	94.	1.00
3.	56.	94.	1.00
3.	57.	94.	1.00
3.	58.	94.	1.00
3.	59.	94.	1.00
3.	60.	94.	1.00
3.	61.	94.	1.00
3.	62.	94.	1.00
3.	63.	94.	1.00
3.	64.	94.	1.00
3.	65.	94.	1.00
3.	66.	94.	1.00
3.	67.	94.	1.00
3.	68.	94.	1.00
3.	69.	94.	1.00
3.	70.	94.	1.00
3.	71.	94.	1.00
3.	72.	94.	1.00
3.	73.	94.	1.00
3.	74.	94.	1.00
3.	75.	94.	1.00
3.	76.	94.	1.00
3.	77.	94.	1.00
3.	78.	94.	1.00
3.	79.	94.	1.00
3.	80.	94.	1.00
3.	81.	94.	1.00
3.	82.	94.	1.00
3.	83.	94.	1.00
3.	83.	93.	1.00
3.	84.	93.	1.00
3.	85.	93.	1.00
3.	86.	93.	1.00
3.	87.	93.	1.00
3.	88.	93.	1.00
3.	89.	93.	1.00
3.	90.	93.	1.00
3.	91.	93.	1.00
3.	92.	93.	1.00
3.	93.	93.	1.00
3.	94.	93.	1.00
3.	95.	93.	1.00
3.	96.	93.	1.00
3.	97.	93.	1.00
3.	97.	92.	1.00
3.	98.	92.	1.00
3.	99.	92.	1.00
3.	100.	92.	1.00
3.	101.	92.	1.00
3.	102.	92.	1.00

3.	103.	92.	1.00
3.	103.	91.	1.00
3.	104.	91.	1.00
3.	105.	91.	1.00
3.	105.	90.	1.00
3.	106.	90.	1.00
3.	107.	90.	1.00
3.	107.	89.	1.00
3.	108.	89.	1.00
3.	109.	89.	1.00
3.	109.	88.	1.00
3.	110.	88.	1.00
3.	111.	88.	1.00
3.	111.	87.	1.00
3.	112.	87.	1.00
3.	113.	87.	1.00
3.	113.	86.	1.00
3.	114.	86.	1.00
3.	115.	86.	1.00
3.	115.	85.	1.00
3.	116.	85.	1.00
3.	117.	85.	1.00
3.	117.	84.	1.00
3.	118.	84.	1.00
3.	119.	84.	1.00
3.	119.	83.	1.00
3.	120.	83.	1.00
3.	120.	82.	1.00
3.	121.	82.	1.00
3.	122.	82.	1.00
3.	122.	81.	1.00
3.	123.	81.	1.00
3.	124.	81.	1.00
3.	124.	80.	1.00
3.	125.	80.	1.00
3.	125.	79.	1.00
3.	126.	79.	1.00
3.	126.	78.	1.00
3.	126.	77.	1.00
3.	126.	76.	1.00
3.	126.	75.	1.00
3.	127.	75.	1.00
3.	127.	74.	1.00
3.	127.	73.	1.00
3.	127.	72.	1.00
3.	127.	71.	1.00
3.	128.	71.	1.00
3.	128.	70.	1.00
3.	128.	69.	1.00
3.	128.	68.	1.00
3.	128.	67.	1.00
3.	129.	67.	1.00
3.	129.	66.	1.00
3.	129.	65.	1.00
3.	129.	64.	1.00
3.	129.	63.	1.00
3.	130.	63.	1.00
3.	130.	62.	1.00
3.	130.	61.	1.00
3.	130.	60.	1.00

3.	130.	59.	1.00
3.	131.	59.	1.00
3.	131.	58.	1.00
3.	131.	57.	1.00
3.	131.	56.	1.00
3.	131.	55.	1.00
3.	131.	54.	1.00
3.	131.	53.	1.00
3.	132.	53.	1.00
3.	132.	52.	1.00
3.	132.	51.	1.00
3.	132.	50.	1.00
3.	132.	49.	1.00
3.	131.	49.	1.00
3.	131.	48.	1.00
3.	131.	47.	1.00
3.	131.	46.	1.00
3.	131.	45.	1.00
3.	131.	44.	1.00
3.	131.	43.	1.00
3.	131.	42.	1.00
3.	131.	41.	1.00
3.	130.	41.	1.00
3.	130.	40.	1.00
3.	130.	39.	1.00
3.	130.	38.	1.00
3.	130.	37.	1.00
3.	130.	36.	1.00
3.	129.	36.	1.00
3.	129.	35.	1.00
3.	129.	34.	1.00
3.	129.	33.	1.00
3.	128.	33.	1.00
3.	128.	32.	1.00
3.	128.	31.	1.00
3.	128.	30.	1.00
3.	128.	29.	1.00
3.	127.	29.	1.00
3.	127.	28.	1.00
3.	127.	27.	1.00
3.	127.	26.	1.00
3.	126.	26.	1.00
3.	126.	25.	1.00
3.	126.	24.	1.00
3.	126.	23.	1.00
3.	126.	22.	1.00
3.	125.	22.	1.00
3.	125.	21.	1.00
3.	125.	20.	1.00
3.	124.	20.	1.00
3.	124.	19.	1.00
3.	123.	19.	1.00
3.	122.	19.	1.00
3.	122.	18.	1.00
3.	121.	18.	1.00
3.	120.	18.	1.00
3.	120.	17.	1.00
3.	119.	17.	1.00
3.	118.	17.	1.00
3.	118.	16.	1.00

```
          3.  117.    16.     1.00
          3.  116.    16.     1.00
          3.  116.    15.     1.00
          3.  115.    15.     1.00
          3.  114.    15.     1.00
          3.  114.    14.     1.00
          3.  113.    14.     1.00
          3.  113.    13.     1.00
          3.  112.    13.     1.00
          3.  111.    13.     1.00
          3.  111.    12.     1.00
          3.  110.    12.     1.00
          3.  109.    12.     1.00
          3.  109.    11.     1.00
          3.  108.    11.     0.67

   GROUP NUMBER:  15   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

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

       LAYER  ROW  COLUMN    FACTOR
          3.  108.    11.     0.33
          3.  107.    11.     1.00
          3.  107.    10.     1.00
          3.  106.    10.     1.00
          3.  105.    10.     1.00
          3.  105.     9.     1.00
          3.  104.     9.     1.00
          3.  103.     9.     0.08

   GROUP NUMBER:  16   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
89
   NUMBER OF FLOW OBSERVATIONS:     1

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

       LAYER  ROW  COLUMN    FACTOR
          1.    6.    31.     0.43
          1.    6.    32.     1.00
          1.    6.    33.     1.00
          1.    7.    33.     1.00
          1.    7.    34.     1.00
          1.    7.    35.     1.00
          1.    7.    36.     1.00
```

1.	7.	37.	1.00
1.	7.	38.	1.00
1.	7.	39.	1.00
1.	7.	40.	1.00
1.	7.	41.	1.00
1.	7.	42.	1.00
1.	7.	43.	1.00
1.	7.	44.	1.00
1.	7.	45.	1.00
1.	7.	46.	1.00
1.	7.	47.	1.00
1.	7.	48.	1.00
1.	7.	49.	1.00
1.	7.	50.	1.00
1.	8.	50.	1.00
1.	8.	51.	1.00
1.	8.	52.	1.00
1.	8.	53.	1.00
1.	8.	54.	1.00
1.	8.	55.	1.00
1.	8.	56.	1.00
1.	8.	57.	1.00
1.	8.	58.	1.00
1.	8.	59.	1.00
1.	8.	60.	1.00
1.	8.	61.	1.00
1.	8.	62.	1.00
1.	8.	63.	1.00
1.	8.	64.	1.00
1.	9.	64.	1.00
1.	9.	65.	1.00
1.	9.	66.	1.00
1.	9.	67.	1.00
1.	9.	68.	1.00
1.	9.	69.	1.00
1.	9.	70.	1.00
1.	9.	71.	1.00
1.	9.	72.	1.00
1.	9.	73.	1.00
1.	10.	73.	1.00
1.	11.	73.	1.00
1.	11.	74.	1.00
1.	12.	74.	1.00
1.	12.	75.	1.00
1.	13.	75.	1.00
1.	13.	76.	1.00
1.	14.	76.	1.00
1.	14.	77.	1.00
1.	15.	77.	1.00
1.	15.	78.	1.00
1.	16.	78.	1.00
1.	16.	79.	1.00
1.	17.	79.	1.00
1.	18.	79.	1.00
1.	18.	80.	1.00
1.	19.	80.	1.00
1.	19.	81.	1.00
1.	20.	81.	1.00
1.	20.	82.	1.00
1.	21.	82.	1.00

```
          1.   21.    83.     1.00
          1.   22.    83.     1.00
          1.   22.    84.     1.00
          1.   23.    84.     1.00
          1.   23.    85.     1.00
          1.   24.    85.     1.00
          1.   25.    85.     1.00
          1.   25.    86.     1.00
          1.   26.    86.     1.00
          1.   26.    87.     1.00
          1.   27.    87.     1.00
          1.   27.    88.     1.00
          1.   28.    88.     1.00
          1.   28.    89.     1.00
          1.   29.    89.     1.00
          1.   29.    90.     1.00
          1.   30.    90.     1.00
          1.   30.    91.     1.00
          1.   31.    91.     1.00
          1.   32.    91.     1.00
          1.   32.    92.     1.00
          1.   33.    92.     0.25

   GROUP NUMBER:  17   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

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

       LAYER  ROW  COLUMN    FACTOR
          1.   33.    92.     0.75
          1.   34.    92.     1.00
          1.   34.    93.     1.00
          1.   35.    93.     1.00
          1.   36.    93.     1.00
          1.   37.    93.     1.00
          1.   38.    93.     1.00
          1.   39.    93.     0.34

   GROUP NUMBER:  18   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
129
   NUMBER OF FLOW OBSERVATIONS:     1

                                        OBSERVED
                    REFER.            BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    24 no_chdf7         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
```

1.	103.	9.	0.92
1.	102.	9.	1.00
1.	102.	8.	1.00
1.	101.	8.	1.00
1.	100.	8.	1.00
1.	99.	8.	1.00
1.	98.	8.	1.00
1.	97.	8.	1.00
1.	96.	8.	1.00
1.	95.	8.	1.00
1.	95.	7.	1.00
1.	94.	7.	1.00
1.	93.	7.	1.00
1.	92.	7.	1.00
1.	91.	7.	1.00
1.	90.	7.	1.00
1.	89.	7.	1.00
1.	89.	6.	1.00
1.	88.	6.	1.00
1.	87.	6.	1.00
1.	86.	6.	1.00
1.	85.	6.	1.00
1.	84.	6.	1.00
1.	83.	6.	1.00
1.	82.	6.	1.00
1.	82.	5.	1.00
1.	81.	5.	1.00
1.	80.	5.	1.00
1.	79.	5.	1.00
1.	78.	5.	1.00
1.	77.	5.	1.00
1.	76.	5.	1.00
1.	75.	5.	1.00
1.	74.	5.	1.00
1.	73.	5.	1.00
1.	72.	5.	1.00
1.	71.	5.	1.00
1.	70.	5.	1.00
1.	69.	5.	1.00
1.	68.	5.	1.00
1.	67.	5.	1.00
1.	67.	4.	1.00
1.	66.	5.	1.00
1.	65.	5.	1.00
1.	64.	5.	1.00
1.	63.	5.	1.00
1.	62.	5.	1.00
1.	61.	5.	1.00
1.	60.	5.	1.00
1.	59.	5.	1.00
1.	58.	5.	1.00
1.	57.	5.	1.00
1.	56.	5.	1.00
1.	55.	5.	1.00
1.	54.	5.	1.00
1.	53.	5.	1.00
1.	52.	5.	1.00
1.	51.	5.	1.00
1.	51.	6.	1.00
1.	50.	6.	1.00

1.	49.	6.	1.00
1.	48.	6.	1.00
1.	47.	6.	1.00
1.	46.	6.	1.00
1.	45.	6.	1.00
1.	44.	6.	1.00
1.	43.	6.	1.00
1.	42.	6.	1.00
1.	41.	6.	1.00
1.	40.	6.	1.00
1.	39.	6.	1.00
1.	38.	6.	1.00
1.	37.	6.	1.00
1.	36.	6.	1.00
1.	36.	7.	1.00
1.	35.	7.	1.00
1.	34.	7.	1.00
1.	33.	7.	1.00
1.	32.	7.	1.00
1.	32.	8.	1.00
1.	31.	8.	1.00
1.	30.	8.	1.00
1.	30.	9.	1.00
1.	29.	9.	1.00
1.	28.	9.	1.00
1.	28.	10.	1.00
1.	27.	10.	1.00
1.	26.	10.	1.00
1.	26.	11.	1.00
1.	25.	11.	1.00
1.	24.	11.	1.00
1.	24.	12.	1.00
1.	23.	12.	1.00
1.	22.	12.	1.00
1.	22.	13.	1.00
1.	21.	13.	1.00
1.	20.	13.	1.00
1.	20.	14.	1.00
1.	19.	14.	1.00
1.	18.	14.	1.00
1.	18.	15.	1.00
1.	17.	15.	1.00
1.	16.	15.	1.00
1.	16.	16.	1.00
1.	15.	16.	1.00
1.	15.	17.	1.00
1.	14.	17.	1.00
1.	14.	18.	1.00
1.	13.	18.	1.00
1.	13.	19.	1.00
1.	13.	20.	1.00
1.	12.	20.	1.00
1.	12.	21.	1.00
1.	12.	22.	1.00
1.	11.	22.	1.00
1.	11.	23.	1.00
1.	11.	24.	1.00
1.	10.	24.	1.00
1.	10.	25.	1.00
1.	9.	25.	1.00

```
          1.    9.    26.     1.00
          1.    9.    27.     1.00
          1.    8.    27.     1.00
          1.    8.    28.     1.00
          1.    8.    29.     1.00
          1.    7.    29.     1.00
          1.    7.    30.     1.00
          1.    7.    31.     1.00
          1.    6.    31.     0.57

   GROUP NUMBER:  19   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
138
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    25 no_chdf8         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          1.   39.    93.     0.66
          1.   40.    93.     1.00
          1.   41.    93.     1.00
          1.   42.    93.     1.00
          1.   43.    93.     1.00
          1.   44.    93.     1.00
          1.   45.    93.     1.00
          1.   46.    93.     1.00
          1.   47.    93.     1.00
          1.   47.    94.     1.00
          1.   48.    94.     1.00
          1.   49.    94.     1.00
          1.   50.    94.     1.00
          1.   51.    94.     1.00
          1.   52.    94.     1.00
          1.   53.    94.     1.00
          1.   54.    94.     1.00
          1.   55.    94.     1.00
          1.   56.    94.     1.00
          1.   57.    94.     1.00
          1.   58.    94.     1.00
          1.   59.    94.     1.00
          1.   60.    94.     1.00
          1.   61.    94.     1.00
          1.   62.    94.     1.00
          1.   63.    94.     1.00
          1.   64.    94.     1.00
          1.   65.    94.     1.00
          1.   66.    94.     1.00
          1.   67.    94.     1.00
          1.   68.    94.     1.00
          1.   69.    94.     1.00
          1.   70.    94.     1.00
          1.   71.    94.     1.00
          1.   72.    94.     1.00
          1.   73.    94.     1.00
```

```
1.   74.    94.     1.00
1.   75.    94.     1.00
1.   76.    94.     1.00
1.   77.    94.     1.00
1.   78.    94.     1.00
1.   79.    94.     1.00
1.   80.    94.     1.00
1.   81.    94.     1.00
1.   82.    94.     1.00
1.   83.    94.     1.00
1.   83.    93.     1.00
1.   84.    93.     1.00
1.   85.    93.     1.00
1.   86.    93.     1.00
1.   87.    93.     1.00
1.   88.    93.     1.00
1.   89.    93.     1.00
1.   90.    93.     1.00
1.   91.    93.     1.00
1.   92.    93.     1.00
1.   93.    93.     1.00
1.   94.    93.     1.00
1.   95.    93.     1.00
1.   96.    93.     1.00
1.   97.    93.     1.00
1.   97.    92.     1.00
1.   98.    92.     1.00
1.   99.    92.     1.00
1.  100.    92.     1.00
1.  101.    92.     1.00
1.  102.    92.     1.00
1.  103.    92.     1.00
1.  103.    91.     1.00
1.  104.    91.     1.00
1.  105.    91.     1.00
1.  105.    90.     1.00
1.  106.    90.     1.00
1.  107.    90.     1.00
1.  107.    89.     1.00
1.  108.    89.     1.00
1.  109.    89.     1.00
1.  109.    88.     1.00
1.  110.    88.     1.00
1.  111.    88.     1.00
1.  111.    87.     1.00
1.  112.    87.     1.00
1.  113.    87.     1.00
1.  113.    86.     1.00
1.  114.    86.     1.00
1.  115.    86.     1.00
1.  115.    85.     1.00
1.  116.    85.     1.00
1.  117.    85.     1.00
1.  117.    84.     1.00
1.  118.    84.     1.00
1.  119.    84.     1.00
1.  119.    83.     1.00
1.  120.    83.     1.00
1.  120.    82.     1.00
1.  121.    82.     1.00
```

```
          1.  122.    82.     1.00
          1.  122.    81.     1.00
          1.  123.    81.     1.00
          1.  124.    81.     1.00
          1.  124.    80.     1.00
          1.  125.    80.     1.00
          1.  125.    79.     1.00
          1.  126.    79.     1.00
          1.  126.    78.     1.00
          1.  126.    77.     1.00
          1.  126.    76.     1.00
          1.  126.    75.     1.00
          1.  127.    75.     1.00
          1.  127.    74.     1.00
          1.  127.    73.     1.00
          1.  127.    72.     1.00
          1.  127.    71.     1.00
          1.  128.    71.     1.00
          1.  128.    70.     1.00
          1.  128.    69.     1.00
          1.  128.    68.     1.00
          1.  128.    67.     1.00
          1.  129.    67.     1.00
          1.  129.    66.     1.00
          1.  129.    65.     1.00
          1.  129.    64.     1.00
          1.  129.    63.     1.00
          1.  130.    63.     1.00
          1.  130.    62.     1.00
          1.  130.    61.     1.00
          1.  130.    60.     1.00
          1.  130.    59.     1.00
          1.  131.    59.     1.00
          1.  131.    58.     1.00
          1.  131.    57.     1.00
          1.  131.    56.     1.00
          1.  131.    55.     1.00
          1.  131.    54.     1.00
          1.  131.    53.     1.00
          1.  132.    53.     1.00
          1.  132.    52.     1.00
          1.  132.    51.     0.56

   GROUP NUMBER:  20   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                    REFER.              BOUNDARY FLOW
       OBSERVATION  STRESS    TIME      GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    26 no_chdf9         1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          1.  108.    11.     0.33
          1.  107.    11.     1.00
          1.  107.    10.     1.00
```

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          1.  106.    10.     1.00
          1.  105.    10.     1.00
          1.  105.     9.     1.00
          1.  104.     9.     1.00
          1.  103.     9.     0.08

   GROUP NUMBER:  21   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
65
   NUMBER OF FLOW OBSERVATIONS:     1

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

       LAYER  ROW  COLUMN    FACTOR
          1.  132.    51.     0.44
          1.  132.    50.     1.00
          1.  132.    49.     1.00
          1.  131.    49.     1.00
          1.  131.    48.     1.00
          1.  131.    47.     1.00
          1.  131.    46.     1.00
          1.  131.    45.     1.00
          1.  131.    44.     1.00
          1.  131.    43.     1.00
          1.  131.    42.     1.00
          1.  131.    41.     1.00
          1.  130.    41.     1.00
          1.  130.    40.     1.00
          1.  130.    39.     1.00
          1.  130.    38.     1.00
          1.  130.    37.     1.00
          1.  130.    36.     1.00
          1.  129.    36.     1.00
          1.  129.    35.     1.00
          1.  129.    34.     1.00
          1.  129.    33.     1.00
          1.  128.    33.     1.00
          1.  128.    32.     1.00
          1.  128.    31.     1.00
          1.  128.    30.     1.00
          1.  128.    29.     1.00
          1.  127.    29.     1.00
          1.  127.    28.     1.00
          1.  127.    27.     1.00
          1.  127.    26.     1.00
          1.  126.    26.     1.00
          1.  126.    25.     1.00
          1.  126.    24.     1.00
          1.  126.    23.     1.00
          1.  126.    22.     1.00
          1.  125.    22.     1.00
          1.  125.    21.     1.00
          1.  125.    20.     1.00
          1.  124.    20.     1.00
```

```
          1.  124.    19.     1.00
          1.  123.    19.     1.00
          1.  122.    19.     1.00
          1.  122.    18.     1.00
          1.  121.    18.     1.00
          1.  120.    18.     1.00
          1.  120.    17.     1.00
          1.  119.    17.     1.00
          1.  118.    17.     1.00
          1.  118.    16.     1.00
          1.  117.    16.     1.00
          1.  116.    16.     1.00
          1.  116.    15.     1.00
          1.  115.    15.     1.00
          1.  114.    15.     1.00
          1.  114.    14.     1.00
          1.  113.    14.     1.00
          1.  113.    13.     1.00
          1.  112.    13.     1.00
          1.  111.    13.     1.00
          1.  111.    12.     1.00
          1.  110.    12.     1.00
          1.  109.    12.     1.00
          1.  109.    11.     1.00
          1.  108.    11.     0.67

   GROUP NUMBER:  22   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
89
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                    REFER.              BOUNDARY FLOW
       OBSERVATION  STRESS    TIME      GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET      LOSS (+)    STATISTIC     TYPE
SYM.
    28 no_chdf11        1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          2.    6.    31.     0.43
          2.    6.    32.     1.00
          2.    6.    33.     1.00
          2.    7.    33.     1.00
          2.    7.    34.     1.00
          2.    7.    35.     1.00
          2.    7.    36.     1.00
          2.    7.    37.     1.00
          2.    7.    38.     1.00
          2.    7.    39.     1.00
          2.    7.    40.     1.00
          2.    7.    41.     1.00
          2.    7.    42.     1.00
          2.    7.    43.     1.00
          2.    7.    44.     1.00
          2.    7.    45.     1.00
          2.    7.    46.     1.00
          2.    7.    47.     1.00
          2.    7.    48.     1.00
          2.    7.    49.     1.00
```

2.	7.	50.	1.00
2.	8.	50.	1.00
2.	8.	51.	1.00
2.	8.	52.	1.00
2.	8.	53.	1.00
2.	8.	54.	1.00
2.	8.	55.	1.00
2.	8.	56.	1.00
2.	8.	57.	1.00
2.	8.	58.	1.00
2.	8.	59.	1.00
2.	8.	60.	1.00
2.	8.	61.	1.00
2.	8.	62.	1.00
2.	8.	63.	1.00
2.	8.	64.	1.00
2.	9.	64.	1.00
2.	9.	65.	1.00
2.	9.	66.	1.00
2.	9.	67.	1.00
2.	9.	68.	1.00
2.	9.	69.	1.00
2.	9.	70.	1.00
2.	9.	71.	1.00
2.	9.	72.	1.00
2.	9.	73.	1.00
2.	10.	73.	1.00
2.	11.	73.	1.00
2.	11.	74.	1.00
2.	12.	74.	1.00
2.	12.	75.	1.00
2.	13.	75.	1.00
2.	13.	76.	1.00
2.	14.	76.	1.00
2.	14.	77.	1.00
2.	15.	77.	1.00
2.	15.	78.	1.00
2.	16.	78.	1.00
2.	16.	79.	1.00
2.	17.	79.	1.00
2.	18.	79.	1.00
2.	18.	80.	1.00
2.	19.	80.	1.00
2.	19.	81.	1.00
2.	20.	81.	1.00
2.	20.	82.	1.00
2.	21.	82.	1.00
2.	21.	83.	1.00
2.	22.	83.	1.00
2.	22.	84.	1.00
2.	23.	84.	1.00
2.	23.	85.	1.00
2.	24.	85.	1.00
2.	25.	85.	1.00
2.	25.	86.	1.00
2.	26.	86.	1.00
2.	26.	87.	1.00
2.	27.	87.	1.00
2.	27.	88.	1.00
2.	28.	88.	1.00

```
          2.   28.    89.     1.00
          2.   29.    89.     1.00
          2.   29.    90.     1.00
          2.   30.    90.     1.00
          2.   30.    91.     1.00
          2.   31.    91.     1.00
          2.   32.    91.     1.00
          2.   32.    92.     1.00
          2.   33.    92.     0.25

   GROUP NUMBER:  23   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    29 no_chdf12        1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          2.   33.    92.     0.75
          2.   34.    92.     1.00
          2.   34.    93.     1.00
          2.   35.    93.     1.00
          2.   36.    93.     1.00
          2.   37.    93.     1.00
          2.   38.    93.     1.00
          2.   39.    93.     0.34

   GROUP NUMBER:  24   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
129
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    30 no_chdf13        1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          2.  103.     9.     0.92
          2.  102.     9.     1.00
          2.  102.     8.     1.00
          2.  101.     8.     1.00
          2.  100.     8.     1.00
          2.   99.     8.     1.00
          2.   98.     8.     1.00
          2.   97.     8.     1.00
          2.   96.     8.     1.00
          2.   95.     8.     1.00
          2.   95.     7.     1.00
          2.   94.     7.     1.00
          2.   93.     7.     1.00
```

2.	92.	7.	1.00
2.	91.	7.	1.00
2.	90.	7.	1.00
2.	89.	7.	1.00
2.	89.	6.	1.00
2.	88.	6.	1.00
2.	87.	6.	1.00
2.	86.	6.	1.00
2.	85.	6.	1.00
2.	84.	6.	1.00
2.	83.	6.	1.00
2.	82.	6.	1.00
2.	82.	5.	1.00
2.	81.	5.	1.00
2.	80.	5.	1.00
2.	79.	5.	1.00
2.	78.	5.	1.00
2.	77.	5.	1.00
2.	76.	5.	1.00
2.	75.	5.	1.00
2.	74.	5.	1.00
2.	73.	5.	1.00
2.	72.	5.	1.00
2.	71.	5.	1.00
2.	70.	5.	1.00
2.	69.	5.	1.00
2.	68.	5.	1.00
2.	67.	5.	1.00
2.	67.	4.	1.00
2.	66.	5.	1.00
2.	65.	5.	1.00
2.	64.	5.	1.00
2.	63.	5.	1.00
2.	62.	5.	1.00
2.	61.	5.	1.00
2.	60.	5.	1.00
2.	59.	5.	1.00
2.	58.	5.	1.00
2.	57.	5.	1.00
2.	56.	5.	1.00
2.	55.	5.	1.00
2.	54.	5.	1.00
2.	53.	5.	1.00
2.	52.	5.	1.00
2.	51.	5.	1.00
2.	51.	6.	1.00
2.	50.	6.	1.00
2.	49.	6.	1.00
2.	48.	6.	1.00
2.	47.	6.	1.00
2.	46.	6.	1.00
2.	45.	6.	1.00
2.	44.	6.	1.00
2.	43.	6.	1.00
2.	42.	6.	1.00
2.	41.	6.	1.00
2.	40.	6.	1.00
2.	39.	6.	1.00
2.	38.	6.	1.00
2.	37.	6.	1.00

```
          2.   36.     6.     1.00
          2.   36.     7.     1.00
          2.   35.     7.     1.00
          2.   34.     7.     1.00
          2.   33.     7.     1.00
          2.   32.     7.     1.00
          2.   32.     8.     1.00
          2.   31.     8.     1.00
          2.   30.     8.     1.00
          2.   30.     9.     1.00
          2.   29.     9.     1.00
          2.   28.     9.     1.00
          2.   28.    10.     1.00
          2.   27.    10.     1.00
          2.   26.    10.     1.00
          2.   26.    11.     1.00
          2.   25.    11.     1.00
          2.   24.    11.     1.00
          2.   24.    12.     1.00
          2.   23.    12.     1.00
          2.   22.    12.     1.00
          2.   22.    13.     1.00
          2.   21.    13.     1.00
          2.   20.    13.     1.00
          2.   20.    14.     1.00
          2.   19.    14.     1.00
          2.   18.    14.     1.00
          2.   18.    15.     1.00
          2.   17.    15.     1.00
          2.   16.    15.     1.00
          2.   16.    16.     1.00
          2.   15.    16.     1.00
          2.   15.    17.     1.00
          2.   14.    17.     1.00
          2.   14.    18.     1.00
          2.   13.    18.     1.00
          2.   13.    19.     1.00
          2.   13.    20.     1.00
          2.   12.    20.     1.00
          2.   12.    21.     1.00
          2.   12.    22.     1.00
          2.   11.    22.     1.00
          2.   11.    23.     1.00
          2.   11.    24.     1.00
          2.   10.    24.     1.00
          2.   10.    25.     1.00
          2.    9.    25.     1.00
          2.    9.    26.     1.00
          2.    9.    27.     1.00
          2.    8.    27.     1.00
          2.    8.    28.     1.00
          2.    8.    29.     1.00
          2.    7.    29.     1.00
          2.    7.    30.     1.00
          2.    7.    31.     1.00
          2.    6.    31.     0.57

   GROUP NUMBER:  25   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
202
   NUMBER OF FLOW OBSERVATIONS:     1
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OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
31	no_chdf14	1	0.000	1.000	0.1000E+20	STD. DEV.	1

LAYER	ROW	COLUMN	FACTOR
2.	39.	93.	0.66
2.	40.	93.	1.00
2.	41.	93.	1.00
2.	42.	93.	1.00
2.	43.	93.	1.00
2.	44.	93.	1.00
2.	45.	93.	1.00
2.	46.	93.	1.00
2.	47.	93.	1.00
2.	47.	94.	1.00
2.	48.	94.	1.00
2.	49.	94.	1.00
2.	50.	94.	1.00
2.	51.	94.	1.00
2.	52.	94.	1.00
2.	53.	94.	1.00
2.	54.	94.	1.00
2.	55.	94.	1.00
2.	56.	94.	1.00
2.	57.	94.	1.00
2.	58.	94.	1.00
2.	59.	94.	1.00
2.	60.	94.	1.00
2.	61.	94.	1.00
2.	62.	94.	1.00
2.	63.	94.	1.00
2.	64.	94.	1.00
2.	65.	94.	1.00
2.	66.	94.	1.00
2.	67.	94.	1.00
2.	68.	94.	1.00
2.	69.	94.	1.00
2.	70.	94.	1.00
2.	71.	94.	1.00
2.	72.	94.	1.00
2.	73.	94.	1.00
2.	74.	94.	1.00
2.	75.	94.	1.00
2.	76.	94.	1.00
2.	77.	94.	1.00
2.	78.	94.	1.00
2.	79.	94.	1.00
2.	80.	94.	1.00
2.	81.	94.	1.00
2.	82.	94.	1.00
2.	83.	94.	1.00
2.	83.	93.	1.00
2.	84.	93.	1.00
2.	85.	93.	1.00

2.	86.	93.	1.00
2.	87.	93.	1.00
2.	88.	93.	1.00
2.	89.	93.	1.00
2.	90.	93.	1.00
2.	91.	93.	1.00
2.	92.	93.	1.00
2.	93.	93.	1.00
2.	94.	93.	1.00
2.	95.	93.	1.00
2.	96.	93.	1.00
2.	97.	93.	1.00
2.	97.	92.	1.00
2.	98.	92.	1.00
2.	99.	92.	1.00
2.	100.	92.	1.00
2.	101.	92.	1.00
2.	102.	92.	1.00
2.	103.	92.	1.00
2.	103.	91.	1.00
2.	104.	91.	1.00
2.	105.	91.	1.00
2.	105.	90.	1.00
2.	106.	90.	1.00
2.	107.	90.	1.00
2.	107.	89.	1.00
2.	108.	89.	1.00
2.	109.	89.	1.00
2.	109.	88.	1.00
2.	110.	88.	1.00
2.	111.	88.	1.00
2.	111.	87.	1.00
2.	112.	87.	1.00
2.	113.	87.	1.00
2.	113.	86.	1.00
2.	114.	86.	1.00
2.	115.	86.	1.00
2.	115.	85.	1.00
2.	116.	85.	1.00
2.	117.	85.	1.00
2.	117.	84.	1.00
2.	118.	84.	1.00
2.	119.	84.	1.00
2.	119.	83.	1.00
2.	120.	83.	1.00
2.	120.	82.	1.00
2.	121.	82.	1.00
2.	122.	82.	1.00
2.	122.	81.	1.00
2.	123.	81.	1.00
2.	124.	81.	1.00
2.	124.	80.	1.00
2.	125.	80.	1.00
2.	125.	79.	1.00
2.	126.	79.	1.00
2.	126.	78.	1.00
2.	126.	77.	1.00
2.	126.	76.	1.00
2.	126.	75.	1.00
2.	127.	75.	1.00

2.	127.	74.	1.00
2.	127.	73.	1.00
2.	127.	72.	1.00
2.	127.	71.	1.00
2.	128.	71.	1.00
2.	128.	70.	1.00
2.	128.	69.	1.00
2.	128.	68.	1.00
2.	128.	67.	1.00
2.	129.	67.	1.00
2.	129.	66.	1.00
2.	129.	65.	1.00
2.	129.	64.	1.00
2.	129.	63.	1.00
2.	130.	63.	1.00
2.	130.	62.	1.00
2.	130.	61.	1.00
2.	130.	60.	1.00
2.	130.	59.	1.00
2.	131.	59.	1.00
2.	131.	58.	1.00
2.	131.	57.	1.00
2.	131.	56.	1.00
2.	131.	55.	1.00
2.	131.	54.	1.00
2.	131.	53.	1.00
2.	132.	53.	1.00
2.	132.	52.	1.00
2.	132.	51.	1.00
2.	132.	50.	1.00
2.	132.	49.	1.00
2.	131.	49.	1.00
2.	131.	48.	1.00
2.	131.	47.	1.00
2.	131.	46.	1.00
2.	131.	45.	1.00
2.	131.	44.	1.00
2.	131.	43.	1.00
2.	131.	42.	1.00
2.	131.	41.	1.00
2.	130.	41.	1.00
2.	130.	40.	1.00
2.	130.	39.	1.00
2.	130.	38.	1.00
2.	130.	37.	1.00
2.	130.	36.	1.00
2.	129.	36.	1.00
2.	129.	35.	1.00
2.	129.	34.	1.00
2.	129.	33.	1.00
2.	128.	33.	1.00
2.	128.	32.	1.00
2.	128.	31.	1.00
2.	128.	30.	1.00
2.	128.	29.	1.00
2.	127.	29.	1.00
2.	127.	28.	1.00
2.	127.	27.	1.00
2.	127.	26.	1.00
2.	126.	26.	1.00

```
          2.  126.    25.     1.00
          2.  126.    24.     1.00
          2.  126.    23.     1.00
          2.  126.    22.     1.00
          2.  125.    22.     1.00
          2.  125.    21.     1.00
          2.  125.    20.     1.00
          2.  124.    20.     1.00
          2.  124.    19.     1.00
          2.  123.    19.     1.00
          2.  122.    19.     1.00
          2.  122.    18.     1.00
          2.  121.    18.     1.00
          2.  120.    18.     1.00
          2.  120.    17.     1.00
          2.  119.    17.     1.00
          2.  118.    17.     1.00
          2.  118.    16.     1.00
          2.  117.    16.     1.00
          2.  116.    16.     1.00
          2.  116.    15.     1.00
          2.  115.    15.     1.00
          2.  114.    15.     1.00
          2.  114.    14.     1.00
          2.  113.    14.     1.00
          2.  113.    13.     1.00
          2.  112.    13.     1.00
          2.  111.    13.     1.00
          2.  111.    12.     1.00
          2.  110.    12.     1.00
          2.  109.    12.     1.00
          2.  109.    11.     1.00
          2.  108.    11.     0.67

   GROUP NUMBER:  26   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                    REFER.              BOUNDARY FLOW
       OBSERVATION  STRESS    TIME      GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    32 no_chdf15        1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          2.  108.    11.     0.33
          2.  107.    11.     1.00
          2.  107.    10.     1.00
          2.  106.    10.     1.00
          2.  105.    10.     1.00
          2.  105.     9.     1.00
          2.  104.     9.     1.00
          2.  103.     9.     0.08

   GROUP NUMBER:  27   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
89
   NUMBER OF FLOW OBSERVATIONS:     1
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OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
33	no_chdf16	1	0.000	1.000	0.1000E+20	STD. DEV.	1

LAYER	ROW	COLUMN	FACTOR
4.	6.	31.	0.43
4.	6.	32.	1.00
4.	6.	33.	1.00
4.	7.	33.	1.00
4.	7.	34.	1.00
4.	7.	35.	1.00
4.	7.	36.	1.00
4.	7.	37.	1.00
4.	7.	38.	1.00
4.	7.	39.	1.00
4.	7.	40.	1.00
4.	7.	41.	1.00
4.	7.	42.	1.00
4.	7.	43.	1.00
4.	7.	44.	1.00
4.	7.	45.	1.00
4.	7.	46.	1.00
4.	7.	47.	1.00
4.	7.	48.	1.00
4.	7.	49.	1.00
4.	7.	50.	1.00
4.	8.	50.	1.00
4.	8.	51.	1.00
4.	8.	52.	1.00
4.	8.	53.	1.00
4.	8.	54.	1.00
4.	8.	55.	1.00
4.	8.	56.	1.00
4.	8.	57.	1.00
4.	8.	58.	1.00
4.	8.	59.	1.00
4.	8.	60.	1.00
4.	8.	61.	1.00
4.	8.	62.	1.00
4.	8.	63.	1.00
4.	8.	64.	1.00
4.	9.	64.	1.00
4.	9.	65.	1.00
4.	9.	66.	1.00
4.	9.	67.	1.00
4.	9.	68.	1.00
4.	9.	69.	1.00
4.	9.	70.	1.00
4.	9.	71.	1.00
4.	9.	72.	1.00
4.	9.	73.	1.00
4.	10.	73.	1.00
4.	11.	73.	1.00
4.	11.	74.	1.00

```
          4.   12.    74.     1.00
          4.   12.    75.     1.00
          4.   13.    75.     1.00
          4.   13.    76.     1.00
          4.   14.    76.     1.00
          4.   14.    77.     1.00
          4.   15.    77.     1.00
          4.   15.    78.     1.00
          4.   16.    78.     1.00
          4.   16.    79.     1.00
          4.   17.    79.     1.00
          4.   18.    79.     1.00
          4.   18.    80.     1.00
          4.   19.    80.     1.00
          4.   19.    81.     1.00
          4.   20.    81.     1.00
          4.   20.    82.     1.00
          4.   21.    82.     1.00
          4.   21.    83.     1.00
          4.   22.    83.     1.00
          4.   22.    84.     1.00
          4.   23.    84.     1.00
          4.   23.    85.     1.00
          4.   24.    85.     1.00
          4.   25.    85.     1.00
          4.   25.    86.     1.00
          4.   26.    86.     1.00
          4.   26.    87.     1.00
          4.   27.    87.     1.00
          4.   27.    88.     1.00
          4.   28.    88.     1.00
          4.   28.    89.     1.00
          4.   29.    89.     1.00
          4.   29.    90.     1.00
          4.   30.    90.     1.00
          4.   30.    91.     1.00
          4.   31.    91.     1.00
          4.   32.    91.     1.00
          4.   32.    92.     1.00
          4.   33.    92.     0.25

   GROUP NUMBER:  28   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                    REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    34 no_chdf17        1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          4.   33.    92.     0.75
          4.   34.    92.     1.00
          4.   34.    93.     1.00
          4.   35.    93.     1.00
          4.   36.    93.     1.00
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          4.   37.    93.     1.00
          4.   38.    93.     1.00
          4.   39.    93.     0.34

   GROUP NUMBER:  29   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
129
   NUMBER OF FLOW OBSERVATIONS:     1

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

       LAYER  ROW  COLUMN    FACTOR
          4.  103.     9.     0.92
          4.  102.     9.     1.00
          4.  102.     8.     1.00
          4.  101.     8.     1.00
          4.  100.     8.     1.00
          4.   99.     8.     1.00
          4.   98.     8.     1.00
          4.   97.     8.     1.00
          4.   96.     8.     1.00
          4.   95.     8.     1.00
          4.   95.     7.     1.00
          4.   94.     7.     1.00
          4.   93.     7.     1.00
          4.   92.     7.     1.00
          4.   91.     7.     1.00
          4.   90.     7.     1.00
          4.   89.     7.     1.00
          4.   89.     6.     1.00
          4.   88.     6.     1.00
          4.   87.     6.     1.00
          4.   86.     6.     1.00
          4.   85.     6.     1.00
          4.   84.     6.     1.00
          4.   83.     6.     1.00
          4.   82.     6.     1.00
          4.   82.     5.     1.00
          4.   81.     5.     1.00
          4.   80.     5.     1.00
          4.   79.     5.     1.00
          4.   78.     5.     1.00
          4.   77.     5.     1.00
          4.   76.     5.     1.00
          4.   75.     5.     1.00
          4.   74.     5.     1.00
          4.   73.     5.     1.00
          4.   72.     5.     1.00
          4.   71.     5.     1.00
          4.   70.     5.     1.00
          4.   69.     5.     1.00
          4.   68.     5.     1.00
          4.   67.     5.     1.00
          4.   67.     4.     1.00
```

4.	66.	5.	1.00
4.	65.	5.	1.00
4.	64.	5.	1.00
4.	63.	5.	1.00
4.	62.	5.	1.00
4.	61.	5.	1.00
4.	60.	5.	1.00
4.	59.	5.	1.00
4.	58.	5.	1.00
4.	57.	5.	1.00
4.	56.	5.	1.00
4.	55.	5.	1.00
4.	54.	5.	1.00
4.	53.	5.	1.00
4.	52.	5.	1.00
4.	51.	5.	1.00
4.	51.	6.	1.00
4.	50.	6.	1.00
4.	49.	6.	1.00
4.	48.	6.	1.00
4.	47.	6.	1.00
4.	46.	6.	1.00
4.	45.	6.	1.00
4.	44.	6.	1.00
4.	43.	6.	1.00
4.	42.	6.	1.00
4.	41.	6.	1.00
4.	40.	6.	1.00
4.	39.	6.	1.00
4.	38.	6.	1.00
4.	37.	6.	1.00
4.	36.	6.	1.00
4.	36.	7.	1.00
4.	35.	7.	1.00
4.	34.	7.	1.00
4.	33.	7.	1.00
4.	32.	7.	1.00
4.	32.	8.	1.00
4.	31.	8.	1.00
4.	30.	8.	1.00
4.	30.	9.	1.00
4.	29.	9.	1.00
4.	28.	9.	1.00
4.	28.	10.	1.00
4.	27.	10.	1.00
4.	26.	10.	1.00
4.	26.	11.	1.00
4.	25.	11.	1.00
4.	24.	11.	1.00
4.	24.	12.	1.00
4.	23.	12.	1.00
4.	22.	12.	1.00
4.	22.	13.	1.00
4.	21.	13.	1.00
4.	20.	13.	1.00
4.	20.	14.	1.00
4.	19.	14.	1.00
4.	18.	14.	1.00
4.	18.	15.	1.00
4.	17.	15.	1.00

```
          4.   16.    15.     1.00
          4.   16.    16.     1.00
          4.   15.    16.     1.00
          4.   15.    17.     1.00
          4.   14.    17.     1.00
          4.   14.    18.     1.00
          4.   13.    18.     1.00
          4.   13.    19.     1.00
          4.   13.    20.     1.00
          4.   12.    20.     1.00
          4.   12.    21.     1.00
          4.   12.    22.     1.00
          4.   11.    22.     1.00
          4.   11.    23.     1.00
          4.   11.    24.     1.00
          4.   10.    24.     1.00
          4.   10.    25.     1.00
          4.    9.    25.     1.00
          4.    9.    26.     1.00
          4.    9.    27.     1.00
          4.    8.    27.     1.00
          4.    8.    28.     1.00
          4.    8.    29.     1.00
          4.    7.    29.     1.00
          4.    7.    30.     1.00
          4.    7.    31.     1.00
          4.    6.    31.     0.57

   GROUP NUMBER:  30   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
202
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                    REFER.              BOUNDARY FLOW
       OBSERVATION  STRESS    TIME      GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    36 no_chdf19        1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          4.   39.    93.     0.66
          4.   40.    93.     1.00
          4.   41.    93.     1.00
          4.   42.    93.     1.00
          4.   43.    93.     1.00
          4.   44.    93.     1.00
          4.   45.    93.     1.00
          4.   46.    93.     1.00
          4.   47.    93.     1.00
          4.   47.    94.     1.00
          4.   48.    94.     1.00
          4.   49.    94.     1.00
          4.   50.    94.     1.00
          4.   51.    94.     1.00
          4.   52.    94.     1.00
          4.   53.    94.     1.00
          4.   54.    94.     1.00
          4.   55.    94.     1.00
```

4.	56.	94.	1.00
4.	57.	94.	1.00
4.	58.	94.	1.00
4.	59.	94.	1.00
4.	60.	94.	1.00
4.	61.	94.	1.00
4.	62.	94.	1.00
4.	63.	94.	1.00
4.	64.	94.	1.00
4.	65.	94.	1.00
4.	66.	94.	1.00
4.	67.	94.	1.00
4.	68.	94.	1.00
4.	69.	94.	1.00
4.	70.	94.	1.00
4.	71.	94.	1.00
4.	72.	94.	1.00
4.	73.	94.	1.00
4.	74.	94.	1.00
4.	75.	94.	1.00
4.	76.	94.	1.00
4.	77.	94.	1.00
4.	78.	94.	1.00
4.	79.	94.	1.00
4.	80.	94.	1.00
4.	81.	94.	1.00
4.	82.	94.	1.00
4.	83.	94.	1.00
4.	83.	93.	1.00
4.	84.	93.	1.00
4.	85.	93.	1.00
4.	86.	93.	1.00
4.	87.	93.	1.00
4.	88.	93.	1.00
4.	89.	93.	1.00
4.	90.	93.	1.00
4.	91.	93.	1.00
4.	92.	93.	1.00
4.	93.	93.	1.00
4.	94.	93.	1.00
4.	95.	93.	1.00
4.	96.	93.	1.00
4.	97.	93.	1.00
4.	97.	92.	1.00
4.	98.	92.	1.00
4.	99.	92.	1.00
4.	100.	92.	1.00
4.	101.	92.	1.00
4.	102.	92.	1.00
4.	103.	92.	1.00
4.	103.	91.	1.00
4.	104.	91.	1.00
4.	105.	91.	1.00
4.	105.	90.	1.00
4.	106.	90.	1.00
4.	107.	90.	1.00
4.	107.	89.	1.00
4.	108.	89.	1.00
4.	109.	89.	1.00
4.	109.	88.	1.00

4.	110.	88.	1.00
4.	111.	88.	1.00
4.	111.	87.	1.00
4.	112.	87.	1.00
4.	113.	87.	1.00
4.	113.	86.	1.00
4.	114.	86.	1.00
4.	115.	86.	1.00
4.	115.	85.	1.00
4.	116.	85.	1.00
4.	117.	85.	1.00
4.	117.	84.	1.00
4.	118.	84.	1.00
4.	119.	84.	1.00
4.	119.	83.	1.00
4.	120.	83.	1.00
4.	120.	82.	1.00
4.	121.	82.	1.00
4.	122.	82.	1.00
4.	122.	81.	1.00
4.	123.	81.	1.00
4.	124.	81.	1.00
4.	124.	80.	1.00
4.	125.	80.	1.00
4.	125.	79.	1.00
4.	126.	79.	1.00
4.	126.	78.	1.00
4.	126.	77.	1.00
4.	126.	76.	1.00
4.	126.	75.	1.00
4.	127.	75.	1.00
4.	127.	74.	1.00
4.	127.	73.	1.00
4.	127.	72.	1.00
4.	127.	71.	1.00
4.	128.	71.	1.00
4.	128.	70.	1.00
4.	128.	69.	1.00
4.	128.	68.	1.00
4.	128.	67.	1.00
4.	129.	67.	1.00
4.	129.	66.	1.00
4.	129.	65.	1.00
4.	129.	64.	1.00
4.	129.	63.	1.00
4.	130.	63.	1.00
4.	130.	62.	1.00
4.	130.	61.	1.00
4.	130.	60.	1.00
4.	130.	59.	1.00
4.	131.	59.	1.00
4.	131.	58.	1.00
4.	131.	57.	1.00
4.	131.	56.	1.00
4.	131.	55.	1.00
4.	131.	54.	1.00
4.	131.	53.	1.00
4.	132.	53.	1.00
4.	132.	52.	1.00
4.	132.	51.	1.00

4.	132.	50.	1.00
4.	132.	49.	1.00
4.	131.	49.	1.00
4.	131.	48.	1.00
4.	131.	47.	1.00
4.	131.	46.	1.00
4.	131.	45.	1.00
4.	131.	44.	1.00
4.	131.	43.	1.00
4.	131.	42.	1.00
4.	131.	41.	1.00
4.	130.	41.	1.00
4.	130.	40.	1.00
4.	130.	39.	1.00
4.	130.	38.	1.00
4.	130.	37.	1.00
4.	130.	36.	1.00
4.	129.	36.	1.00
4.	129.	35.	1.00
4.	129.	34.	1.00
4.	129.	33.	1.00
4.	128.	33.	1.00
4.	128.	32.	1.00
4.	128.	31.	1.00
4.	128.	30.	1.00
4.	128.	29.	1.00
4.	127.	29.	1.00
4.	127.	28.	1.00
4.	127.	27.	1.00
4.	127.	26.	1.00
4.	126.	26.	1.00
4.	126.	25.	1.00
4.	126.	24.	1.00
4.	126.	23.	1.00
4.	126.	22.	1.00
4.	125.	22.	1.00
4.	125.	21.	1.00
4.	125.	20.	1.00
4.	124.	20.	1.00
4.	124.	19.	1.00
4.	123.	19.	1.00
4.	122.	19.	1.00
4.	122.	18.	1.00
4.	121.	18.	1.00
4.	120.	18.	1.00
4.	120.	17.	1.00
4.	119.	17.	1.00
4.	118.	17.	1.00
4.	118.	16.	1.00
4.	117.	16.	1.00
4.	116.	16.	1.00
4.	116.	15.	1.00
4.	115.	15.	1.00
4.	114.	15.	1.00
4.	114.	14.	1.00
4.	113.	14.	1.00
4.	113.	13.	1.00
4.	112.	13.	1.00
4.	111.	13.	1.00
4.	111.	12.	1.00

```
          4.  110.    12.     1.00
          4.  109.    12.     1.00
          4.  109.    11.     1.00
          4.  108.    11.     0.67

   GROUP NUMBER:  31   BOUNDARY TYPE: CHD   NUMBER OF CELLS IN GROUP:
8
   NUMBER OF FLOW OBSERVATIONS:     1

                                          OBSERVED
                     REFER.             BOUNDARY FLOW
       OBSERVATION  STRESS    TIME     GAIN (-) OR
STATISTIC   PLOT
  OBS#    NAME      PERIOD   OFFSET     LOSS (+)    STATISTIC     TYPE
SYM.
    37 no_chdf20        1    0.000       1.000      0.1000E+20  STD.
DEV.      1

       LAYER  ROW  COLUMN    FACTOR
          4.  108.    11.     0.33
          4.  107.    11.     1.00
          4.  107.    10.     1.00
          4.  106.    10.     1.00
          4.  105.    10.     1.00
          4.  105.     9.     1.00
          4.  104.     9.     1.00
          4.  103.     9.     0.08



                                       SOLUTION BY THE CONJUGATE-GRADIENT
METHOD

-------------------------------------------
                    MAXIMUM NUMBER OF CALLS TO PCG ROUTINE =      100
                        MAXIMUM ITERATIONS PER CALL TO PCG =      100
                               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-01
                     RESIDUAL CHANGE CRITERION FOR CLOSURE =
0.10000E-01
            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 NOT ACTIVE IN ANY LAYER


     0 Well parameters


     0 GHB 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
               WEIGHTED   PERCENT OF  |                 WEIGHTED
PERCENT OF
 NAME          RESIDUAL    OBJ FUNC   | NAME           RESIDUAL    OBJ
FUNC
 hed1          -16.9        36.29     | hed5            15.8
32.07
 hed6          -2.39         0.73     | hed3            14.6
27.27
 hed2          -1.10         0.15     | hed4            5.22
3.48
 no_ghbf7     -0.198E-15     0.00     | no_chdf3       0.853E-17
0.00
 no_ghbf5     -0.129E-15     0.00     | no_chdf2       0.804E-17
0.00

 STATISTICS FOR ALL RESIDUALS :
 AVERAGE WEIGHTED RESIDUAL  : 0.415E+00
 # RESIDUALS >= 0. :     29
 # RESIDUALS < 0.  :      8
 NUMBER OF RUNS  :    6  IN   37 OBSERVATIONS

 INTERPRETING THE CALCULATED RUNS STATISTIC VALUE OF     -3.51
 NOTE: THE FOLLOWING APPLIES ONLY IF
        # RESIDUALS >= 0 . IS GREATER THAN 10 AND
        # RESIDUALS < 0.   IS GREATER THAN 10
 THE NEGATIVE VALUE MAY INDICATE TOO FEW RUNS:
    IF THE VALUE IS LESS THAN -1.28, THERE IS LESS THAN A 10 PERCENT
       CHANCE THE VALUES ARE RANDOM,
    IF THE VALUE IS LESS THAN -1.645, THERE IS LESS THAN A 5 PERCENT
       CHANCE THE VALUES ARE RANDOM,
    IF THE VALUE IS LESS THAN -1.96, THERE IS LESS THAN A 2.5 PERCENT
       CHANCE THE VALUES ARE RANDOM.


 CORRELATION BETWEEN ORDERED WEIGHTED RESIDUALS AND NORMAL ORDER
STATISTICS
 FOR OBSERVATIONS =    0.447


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

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

 IF the reported CORRELATION is GREATER than the 5% critical value,
ACCEPT
 the hypothesis that the weighted residuals are INDEPENDENT AND NORMALLY
 DISTRIBUTED at the 5% significance level.  The probability that this
 conclusion is wrong is less than 5%.
```

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

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

-----------------------------------------------------------------------
--
```

```
#           CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17080, 221321.0,
326721.0 ts_0 hed1
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17081, 219772.0,
326783.0 ts_0 hed2
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17082, 220786.0,
324855.0 ts_0 hed3
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17083, 220375.0,
323884.0 ts_0 hed4
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17084, 219766.0,
325296.0 ts_0 hed5
#GMSCOMMENT 6494998d-fca4-4b90-b668-5e5133ad91e9 POINT 17106, 220139.0,
325390.0 ts_0 hed6
6 0 6 775 -777.0
1.0 1.0
hed1 5 51 68 1 0.0 -0.186935549023 0.0596894210567 3689.73 0.51021 1 1
hed2 5 50 39 1 0.0 0.0261493893086 -0.00913898327 3698.05 0.51021 1 1
hed3 5 84 61 1 0.0 0.2506037895473 0.2236208487799 3700.85 0.51021 1 1
hed4 5 97 55 1 0.0 -0.385761831973 -0.062363875188 3702.56 0.51021 1 1
hed5 5 76 39 1 0.0 0.4965166313765 -0.110922411679 3706.41 0.51021 1 1
hed6 5 74 48 1 0.0 -0.301652892562 0.4 3696.72 0.51021 1 1
```

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

```
740 -888.0 0 0
1 1 1 1 1 1
0 0 0 0 0 0
-1.0 -1.0 -1.0 -1.0 -1.0 -1.0
1 1 1 1 1 1
0 0 0 0 0 0
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HK1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HANI1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/VANI1" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HK2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HANI2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/VANI2" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HK3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HANI3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/VANI3" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HK4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HANI4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/VANI4" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HK5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HANI5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/VANI5" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HK6" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/HANI6" 1 0 13426
HDF5 1.0 -1 "FINALWALL-LOWK-6-11.h5" "Arrays/VANI6" 1 0 13426
```

```
# MF2K NAME file
#
# Output Files
GLOBAL       701 "FINALWALL-LOWK-6-11.glo"
LIST         702 "FINALWALL-LOWK-6-11.out"
DATA(BINARY) 730 "FINALWALL-LOWK-6-11.hed"
DATA(BINARY) 740 "FINALWALL-LOWK-6-11.ccf"
LMT6         718 "FINALWALL-LOWK-6-11.lmt"
#
# Obs-Sen-Pes Process Input Files
OBS          750 "FINALWALL-LOWK-6-11.obs"
HOB          751 "FINALWALL-LOWK-6-11.hob"
GBOB         753 "FINALWALL-LOWK-6-11.gbob"
CHOB         755 "FINALWALL-LOWK-6-11.chob"
SEN          757 "FINALWALL-LOWK-6-11.snn"
PES          758 "FINALWALL-LOWK-6-11.pes"
ASP          771 "FINALWALL-LOWK-6-11.asp"
#
# Global Input Files
DIS          719 "FINALWALL-LOWK-6-11.dis"
#
# Flow Process Input Files
BAS6         703 "FINALWALL-LOWK-6-11.ba6"
LPF          704 "FINALWALL-LOWK-6-11.lpf"
OC           715 "FINALWALL-LOWK-6-11.oc"
WEL          709 "FINALWALL-LOWK-6-11.wel"
GHB          711 "FINALWALL-LOWK-6-11.ghb"
CHD          713 "FINALWALL-LOWK-6-11.chd"
PCG          714 "FINALWALL-LOWK-6-11.pcg"
```

```
FINALWALL-LOWK-6-11  3
```

```
HEAD SAVE UNIT 730
COMPACT BUDGET AUX
PERIOD 1 STEP 1
    PRINT BUDGET
    SAVE HEAD
    SAVE BUDGET
```

```
                                   MODFLOW-2000
      U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER FLOW
MODEL
                             VERSION 1.19.01 03/25/2010


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


 #FINAL_BASELINE_6-11
 #23 June 2011
 THE FREE FORMAT OPTION HAS BEEN SELECTED
    6 LAYERS       137 ROWS        98 COLUMNS
    1 STRESS PERIOD(S) IN SIMULATION

 BAS6 -- BASIC PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT  703
         30 ELEMENTS IN IR ARRAY ARE USED BY BAS

 WEL6 -- WELL PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT  709
 #GMS_HDF5_01
 No named parameters
 MAXIMUM OF      1 ACTIVE WELLS AT ONE TIME
 CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT  740
 AUXILIARY WELL VARIABLE: IFACE
 AUXILIARY WELL VARIABLE: QFACT
 AUXILIARY WELL VARIABLE: CELLGRP
          7 ELEMENTS IN RX ARRAY ARE USED BY WEL

 GHB6 -- GHB PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT  711
 #GMS_HDF5_01
 No named parameters
 MAXIMUM OF    874 ACTIVE GHB CELLS AT ONE TIME
 CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT  740
 AUXILIARY GHB VARIABLE: IFACE
 AUXILIARY GHB VARIABLE: CONDFACT
 AUXILIARY GHB VARIABLE: CELLGRP
       6992 ELEMENTS IN RX ARRAY ARE USED BY GHB

 CHD6 -- TIME-VARIANT SPECIFIED-HEAD PACKAGE, VERSION 6, 1/11/2000
 INPUT READ FROM UNIT  713
 #GMS_HDF5_01
 No named parameters
 MAXIMUM OF   1745 TIME-VARIANT SPECIFIED-HEAD CELLS AT ONE TIME
 AUXILIARY CHD VARIABLE: SHEADFACT
 AUXILIARY CHD VARIABLE: EHEADFACT
 AUXILIARY CHD VARIABLE: CELLGRP
      13960 ELEMENTS IN RX ARRAY ARE USED BY CHD

      20959  ELEMENTS OF RX ARRAY USED OUT OF      20959
          0  ELEMENTS OF RZ ARRAY USED OUT OF          1
         30  ELEMENTS OF IR ARRAY USED OUT OF         30
1
 #FINAL_BASELINE_6-11
 #23 June 2011

                1           2           3           4           5
6           7           8           9          10
               11          12          13          14          15
16          17          18          19          20
```

```
                 21          22          23          24          25
26          27          28          29          30
                 31          32          33          34          35
36          37          38          39          40
                 41          42          43          44          45
46          47          48          49          50
                 51          52          53          54          55
56          57          58          59          60
                 61          62          63          64          65
66          67          68          69          70
                 71          72          73          74          75
76          77          78          79          80
                 81          82          83          84          85
86          87          88          89          90
                 91          92          93          94          95
96          97          98

.......................................................................
.......................................................
   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
   2             0           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
   3             0           0           0           0           0
```

```
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            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
   4              0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            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
   5              0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             0
0            0            0             0            0
                  0            0            0            0             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         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
   7      0         0         0         0         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         0         0         0         0
0         0         0
   8      0         0         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
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0         0         0         0         0
          0         0         0         0         0
0         0         0
   9      0         0         0         0         0
```

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0          0          0
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0          0          0
  12            0          0          0          0          0
```

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0          0          0
  15            0          0          0          0          0
```

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0          0          0
  18            0          0          0          0          0
```

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0          0          0
  21            0          0          0          0          0
```

```
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0          0          0
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0          0          0
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0          0          0
  24            0          0          0          0          0
```

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0          0          0
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0          0          0
  27            0          0          0          0          0
```

```
0          0          0          0          1
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0          0          0
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0          0          0
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0          0          0
  30            0          0          0          0          0
```

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0          0          0
  31       0          0          0          0          0
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0          0          0
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0          0          0
  33       0          0          0          0          0
```

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0            1            1            1            1
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0            0            0
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0            0            0
  35             0            0            0            0            0
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0            0            0
  36             0            0            0            0            0
```

```
1            1            1            1            1
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0            0            0
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0            0            0
  39             0            0            0            0            0
```

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0            0            0
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0            0            0
  42             0            0            0            0            0
```

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1            1            1            1            1
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0            0            0
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0            0            0
  44             0            0            0            0            0
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0            0            0
  45             0            0            0            0            0
```

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1            1            1            1            1
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  78            0          0          0          0          1
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  81             0            0            0            0            1
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0            0            0
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  84             0            0            0            0            0
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  96             0            0            0            0            0
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0          0          0
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0          0          0
 105            0          0          0          0          0
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0          0          0          1          1
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0          0          0
 108            0          0          0          0          0
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0            0            0            0            0
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0            0            0
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0            0            0
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0            0            0
 111             0            0            0            0            0
```

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0          0          0          0          0
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 114            0          0          0          0          0
```

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 117            0          0          0          0          0
```

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0          0          0
 118            0          0          0          0          0
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 120            0          0          0          0          0
```

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0          0          0
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                0          0          0          0          0
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 123            0          0          0          0          0
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 126            0          0          0          0          0
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                 1            2            3            4            5
6            7            8            9           10
                11           12           13           14           15
16           17           18           19           20
                21           22           23           24           25
26           27           28           29           30
                31           32           33           34           35
36           37           38           39           40
                41           42           43           44           45
46           47           48           49           50
                51           52           53           54           55
56           57           58           59           60
                61           62           63           64           65
66           67           68           69           70
                71           72           73           74           75
76           77           78           79           80
                81           82           83           84           85
86           87           88           89           90
                91           92           93           94           95
96           97           98

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0          0          0
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0          0          0
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0              0              0
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 106            0           0           0           0           0
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0          0          0
 111            0          0          0          0          0
0          0          0          0          0
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0          0          0
 112            0          0          0          0          0
0          0          0          0          0
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0          0          0
 113            0          0          0          0          0
0          0          0          0          0
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1           1           0           0           0
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0           0           0
 115            0           0           0           0           0
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0           0           0           0           0
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 117            0           0           0           0           0
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0           0           0
 118            0           0           0           0           0
0           0           0           0           0
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0          0          0          0          0
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 120            0          0          0          0          0
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0          0          0
 121            0          0          0          0          0
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0          0          1          1          1
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                0          0          0          0          0
0          0          0
 122            0          0          0          0          0
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0          0          0          0          0
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 123            0          0          0          0          0
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                0          0          0          0          0
0          0          0
 124            0          0          0          0          0
0          0          0          0          0
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0          0          0
 125            0          0          0          0          0
0          0          0          0          0
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 0           0            0           0            0
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 126             0            0           0            0           0
 0           0            0           0            0
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 0           0            0
 127             0            0           0            0           0
 0           0            0           0            0
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 128             0            0           0            0           0
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0           0           0           0           0
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16          17           18          19           20
                21          22           23          24          25
26          27           28          29           30
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36          37           38          39           40
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76          77           78          79           80
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86          87           88          89           90
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96          97           98

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16           17           18           19           20
                21           22           23           24           25
26           27           28           29           30
                31           32           33           34           35
36           37           38           39           40
                41           42           43           44           45
46           47           48           49           50
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56           57           58           59           60
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66           67           68           69           70
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86           87           88           89           90
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96           97           98

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76           77           78           79           80
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86           87           88           89           90
                91           92           93           94           95
96           97           98

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86           87           88           89           90
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96           97           98

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```

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0           0           0
  11            0           0           0           0           0
```

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0              0              0
  14                0              0              0              0              0
```

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0              0              0
  17                0              0              0              0              0
```

```
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0            0             0
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0            0             0
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0            0             0
  20              0            0            0            0            0
```

```
0          0          0          0          0
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0          0          0
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                0          0          0          0          0
0          0          0
  23            0          0          0          0          0
```

```
0          0          0          0          0
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0          0          0
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0          0          0
  25            0          0          0          0          0
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0          0          0
  26            0          0          0          0          0
```

```
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0          0          0
  27            0          0          0          0          0
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0          0          0
  28            0          0          0          0          0
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0          0          0
  29            0          0          0          0          0
```

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0          0          0          1          1
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0          0          0
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0          0          0
  31            0          0          0          0          0
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1          1          1          1          1
                1          0          0          0          0
0          0          0
  32            0          0          0          0          0
```

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0              1              1              1              1
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0              0              0
  33                0              0              0              0              0
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0              0              0
  35                0              0              0              0              0
```

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0              1              1              1              1
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0              0              0
   38               0              0              0              0              0
```

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1           1           1           1           1
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0           0           0
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0           0           0
  41            0           0           0           0           0
```

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1              1              1              1              1
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  77              0             0             0             0             1
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0            0            0
  89              0            0            0            0             0
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0           0           0
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```

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0          0          0
  98            0          0          0          0          0
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```

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0           0            0
 104             0           0           0            0           0
```

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0          0          0
 107            0          0          0          0          0
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0           0           0
 110            0           0           0           0           0
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0           0           0
 113            0           0           0           0           0
```

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0          0          0          0          0
                0          0          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          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
 114            0          0          0          0          0
0          0          0          0          0
                0          0          0          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          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
 115            0          0          0          0          0
0          0          0          0          0
                0          0          0          0          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          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
 116            0          0          0          0          0
```

```
0           0            0           0            0
                 0           0            0           0           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
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
 117             0           0            0           0           0
0           0            0           0            0
                 0           0            0           0           0
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
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
 118             0           0            0           0           0
0           0            0           0            0
                 0           0            0           0           0
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           1
1           1            1           1            1
                 1           1            1           1           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
 119             0           0            0           0           0
```

```
0          0          0          0          0
                0          0          0          0          0
0          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          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
 120            0          0          0          0          0
0          0          0          0          0
                0          0          0          0          0
0          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          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
 121            0          0          0          0          0
0          0          0          0          0
                0          0          0          0          0
0          0          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          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
 122            0          0          0          0          0
```

```
0          0          0          0          0
                0          0          0          0          0
0          0          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          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
 123            0          0          0          0          0
0          0          0          0          0
                0          0          0          0          0
0          0          0          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          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
 124            0          0          0          0          0
0          0          0          0          0
                0          0          0          0          0
0          0          0          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          1          1          1          1
1          1          1          1          1
                1          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
 125            0          0          0          0          0
```

```
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           1
                1           1           1           1           1
1           1           1           1           1
                1           1           1           1           1
1           1           1           1           1
                1           1           1           1           1
1           1           1           1           1
                1           1           1           1           1
1           1           1           1           1
                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
 126            0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           1           1           1           1
1           1           1           1           1
                1           1           1           1           1
1           1           1           1           1
                1           1           1           1           1
1           1           1           1           1
                1           1           1           1           1
1           1           1           1           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
 127            0           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
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0
 128            0           0           0           0           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           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0
 129            0           0           0           0           0
0           0           0           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           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0
 130            0           0           0           0           0
0           0           0           0           0
                0           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           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0
 131            0           0           0           0           0
```

```
0           0            0           0            0
                 0           0           0            0           0
0           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            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0
 132             0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           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
 133             0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0           0            0
                 0           0           0            0           0
0           0            0
 134             0           0           0            0           0
```

```
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0
 135            0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0
 136            0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0            0           0
                0            0           0            0           0
0           0           0
 137            0            0           0            0           0
```

```
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0           0           0
                0           0           0           0           0
0           0           0
```

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

OUTPUT CONTROL IS SPECIFIED ONLY AT TIME STEPS FOR WHICH OUTPUT IS DESIRED
COMPACT CELL-BY-CELL BUDGET FILES WILL BE WRITTEN
AUXILIARY DATA WILL BE SAVED IN CELL-BY-CELL BUDGET FILES
HEAD PRINT FORMAT CODE IS 0 DRAWDOWN PRINT FORMAT CODE IS 0
HEADS WILL BE SAVED ON UNIT 730 DRAWDOWNS WILL BE SAVED ON UNIT 0
1

STRESS PERIOD NO. 1, LENGTH = 1.000000

NUMBER OF TIME STEPS = 1

MULTIPLIER FOR DELT = 1.000

INITIAL TIME STEP SIZE = 1.000000

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

1 WELL

BOUND. NO.	LAYER	ROW	COL	STAGE	CONDUCTANCE	IFACE	CONDFACT	CELLGRP
1	5	33	92	3700.	4162.	6.000	20.81	1.000
2	5	32	92	3700.	0.1825E+05	6.000	91.24	1.000

```
      3      5     32     91       3700.          2426.          6.000
12.13           1.000
      4      5     31     91       3700.         0.2067E+05      6.000
103.4           1.000
      5      5     30     91       3700.          1081.          6.000
5.405           1.000
      6      5     30     90       3700.         0.1959E+05      6.000
97.96           1.000
      7      5     29     90       3700.          4588.          6.000
22.94           1.000
      8      5     29     89       3700.         0.1609E+05      6.000
80.43           1.000
      9      5     28     89       3700.          8095.          6.000
40.48           1.000
     10      5     28     88       3700.         0.1258E+05      6.000
62.89           1.000
     11      5     27     88       3700.         0.1160E+05      6.000
58.01           1.000
     12      5     27     87       3700.          9071.          6.000
45.36           1.000
     13      5     26     87       3700.         0.1511E+05      6.000
75.55           1.000
     14      5     26     86       3700.          5564.          6.000
27.82           1.000
     15      5     25     86       3700.         0.1862E+05      6.000
93.08           1.000
     16      5     25     85       3700.          2057.          6.000
10.29           1.000
     17      5     24     85       3700.         0.2067E+05      6.000
103.4           1.000
     18      5     23     85       3700.          1450.          6.000
7.250           1.000
     19      5     23     84       3700.         0.1922E+05      6.000
96.12           1.000
     20      5     22     84       3700.          4957.          6.000
24.79           1.000
     21      5     22     83       3700.         0.1572E+05      6.000
78.58           1.000
     22      5     21     83       3700.          8464.          6.000
42.32           1.000
     23      5     21     82       3700.         0.1221E+05      6.000
61.05           1.000
     24      5     20     82       3700.         0.1197E+05      6.000
59.86           1.000
     25      5     20     81       3700.          8702.          6.000
43.51           1.000
     26      5     19     81       3700.         0.1548E+05      6.000
77.39           1.000
     27      5     19     80       3700.          5195.          6.000
25.98           1.000
     28      5     18     80       3700.         0.1899E+05      6.000
94.93           1.000
     29      5     18     79       3700.          1688.          6.000
8.440           1.000
     30      5     17     79       3700.         0.2067E+05      6.000
103.4           1.000
     31      5     16     79       3700.          1819.          6.000
9.095           1.000
     32      5     16     78       3700.         0.1885E+05      6.000
94.27           1.000
```

```
     33      5     15     78       3700.          5326.          6.000
26.63           1.000
     34      5     15     77       3700.        0.1535E+05       6.000
76.74           1.000
     35      5     14     77       3700.          8833.          6.000
44.17           1.000
     36      5     14     76       3700.        0.1184E+05       6.000
59.20           1.000
     37      5     13     76       3700.        0.1234E+05       6.000
61.70           1.000
     38      5     13     75       3700.          8333.          6.000
41.67           1.000
     39      5     12     75       3700.        0.1585E+05       6.000
79.24           1.000
     40      5     12     74       3700.          4826.          6.000
24.13           1.000
     41      5     11     74       3700.        0.1935E+05       6.000
96.77           1.000
     42      5     11     73       3700.          1319.          6.000
6.595           1.000
     43      5     10     73       3700.        0.2067E+05       6.000
103.4           1.000
     44      5      9     73       3700.          2188.          6.000
10.94           1.000
     45      5      9     72       3700.        0.1643E+05       6.000
82.14           1.000
     46      5      9     71       3700.        0.1572E+05       6.000
78.62           1.000
     47      5      9     70       3700.        0.1572E+05       6.000
78.62           1.000
     48      5      9     69       3700.        0.1572E+05       6.000
78.62           1.000
     49      5      9     68       3700.        0.1572E+05       6.000
78.62           1.000
     50      5      9     67       3700.        0.1572E+05       6.000
78.62           1.000
     51      5      9     66       3700.        0.1572E+05       6.000
78.62           1.000
     52      5      9     65       3700.        0.1572E+05       6.000
78.62           1.000
     53      5      9     64       3700.          6919.          6.000
34.60           1.000
     54      5      8     64       3700.          8805.          6.000
44.02           1.000
     55      5      8     63       3700.        0.1572E+05       6.000
78.62           1.000
     56      5      8     62       3700.        0.1572E+05       6.000
78.62           1.000
     57      5      8     61       3700.        0.1572E+05       6.000
78.62           1.000
     58      5      8     60       3700.        0.1572E+05       6.000
78.62           1.000
     59      5      8     59       3700.        0.1433E+05       6.000
71.66           1.000
     60      5      8     58       3700.        0.1303E+05       6.000
65.14           1.000
     61      5      8     57       3700.        0.1184E+05       6.000
59.22           1.000
     62      5      8     56       3700.        0.1077E+05       6.000
53.84           1.000
```

```
     63      5      8     55       3700.           9788.           6.000
48.94           1.000
     64      5      8     54       3700.           8899.           6.000
44.49           1.000
     65      5      8     53       3700.           8090.           6.000
40.45           1.000
     66      5      8     52       3700.           7354.           6.000
36.77           1.000
     67      5      8     51       3700.           6686.           6.000
33.43           1.000
     68      5      8     50       3700.           2398.           6.000
11.99           1.000
     69      5      7     50       3700.           3680.           6.000
18.40           1.000
     70      5      7     49       3700.           5525.           6.000
27.63           1.000
     71      5      7     48       3700.           5023.           6.000
25.11           1.000
     72      5      7     47       3700.           5525.           6.000
27.63           1.000
     73      5      7     46       3700.           6078.           6.000
30.39           1.000
     74      5      7     45       3700.           6686.           6.000
33.43           1.000
     75      5      7     44       3700.           7354.           6.000
36.77           1.000
     76      5      7     43       3700.           8090.           6.000
40.45           1.000
     77      5      7     42       3700.           8899.           6.000
44.49           1.000
     78      5      7     41       3700.           9788.           6.000
48.94           1.000
     79      5      7     40       3700.         0.1077E+05        6.000
53.84           1.000
     80      5      7     39       3700.         0.1184E+05        6.000
59.22           1.000
     81      5      7     38       3700.         0.1303E+05        6.000
65.14           1.000
     82      5      7     37       3700.         0.1433E+05        6.000
71.66           1.000
     83      5      7     36       3700.         0.1576E+05        6.000
78.82           1.000
     84      5      7     35       3700.         0.1598E+05        6.000
79.90           1.000
     85      5      7     34       3700.         0.1598E+05        6.000
79.90           1.000
     86      5      7     33       3700.          543.8            6.000
2.719           1.000
     87      5      6     33       3700.         0.1544E+05        6.000
77.18           1.000
     88      5      6     32       3700.         0.1598E+05        6.000
79.90           1.000
     89      5      6     31       3700.          5483.            6.000
27.42           1.000
     90      5     39     93       3700.          5422.            6.000
27.11           2.000
     91      5     38     93       3700.         0.1580E+05        6.000
79.01           2.000
     92      5     37     93       3700.         0.1580E+05        6.000
79.01           2.000
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     93      5     36     93       3700.          0.1580E+05       6.000
79.01            2.000
     94      5     35     93       3700.          0.1580E+05       6.000
79.01            2.000
     95      5     34     93       3700.          0.1308E+05       6.000
65.40            2.000
     96      5     34     92       3700.           2722.           6.000
13.61            2.000
     97      5     33     92       3700.          0.1262E+05       6.000
63.10            2.000
     98      5      6     31       3700.           2880.           6.000
36.14            3.000
     99      5      7     31       3700.           1890.           6.000
23.71            3.000
    100      5      7     30       3700.           7262.           6.000
91.12            3.000
    101      5      7     29       3700.           3718.           6.000
46.65            3.000
    102      5      8     29       3700.           3545.           6.000
44.47            3.000
    103      5      8     28       3700.           7262.           6.000
91.12            3.000
    104      5      8     27       3700.           2064.           6.000
25.89            3.000
    105      5      9     27       3700.           5199.           6.000
65.23            3.000
    106      5      9     26       3700.           7262.           6.000
91.12            3.000
    107      5      9     25       3700.           409.1           6.000
5.133            3.000
    108      5     10     25       3700.           6853.           6.000
85.98            3.000
    109      5     10     24       3700.           6017.           6.000
75.49            3.000
    110      5     11     24       3700.           1245.           6.000
15.62            3.000
    111      5     11     23       3700.           7262.           6.000
91.12            3.000
    112      5     11     22       3700.           4363.           6.000
54.74            3.000
    113      5     12     22       3700.           2900.           6.000
36.38            3.000
    114      5     12     21       3700.           7262.           6.000
91.12            3.000
    115      5     12     20       3700.           2708.           6.000
33.98            3.000
    116      5     13     20       3700.           4554.           6.000
57.14            3.000
    117      5     13     19       3700.           7262.           6.000
91.12            3.000
    118      5     13     18       3700.           1054.           6.000
13.22            3.000
    119      5     14     18       3700.           6208.           6.000
77.89            3.000
    120      5     14     17       3700.           6662.           6.000
83.58            3.000
    121      5     15     17       3700.           600.4           6.000
7.533            3.000
    122      5     15     16       3700.           6924.           6.000
86.88            3.000
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81.04            3.000
    124       5     16     15       3700.           620.7           6.000
7.787            3.000
    125       5     17     15       3700.           7080.           6.000
88.82            3.000
    126       5     18     15       3700.           6030.           6.000
75.65            3.000
    127       5     18     14       3700.           1050.           6.000
13.17            3.000
    128       5     19     14       3700.           7080.           6.000
88.82            3.000
    129       5     20     14       3700.           5601.           6.000
70.27            3.000
    130       5     20     13       3700.           1479.           6.000
18.55            3.000
    131       5     21     13       3700.           7080.           6.000
88.82            3.000
    132       5     22     13       3700.           5172.           6.000
64.89            3.000
    133       5     22     12       3700.           1908.           6.000
23.94            3.000
    134       5     23     12       3700.           7080.           6.000
88.82            3.000
    135       5     24     12       3700.           4743.           6.000
59.50            3.000
    136       5     24     11       3700.           2337.           6.000
29.32            3.000
    137       5     25     11       3700.           7080.           6.000
88.82            3.000
    138       5     26     11       3700.           4314.           6.000
54.12            3.000
    139       5     26     10       3700.           2766.           6.000
34.70            3.000
    140       5     27     10       3700.           7080.           6.000
88.82            3.000
    141       5     28     10       3700.           3884.           6.000
48.74            3.000
    142       5     28      9       3700.           3195.           6.000
40.09            3.000
    143       5     29      9       3700.           7080.           6.000
88.82            3.000
    144       5     30      9       3700.           3455.           6.000
43.35            3.000
    145       5     30      8       3700.           3624.           6.000
45.47            3.000
    146       5     31      8       3700.           7080.           6.000
88.82            3.000
    147       5     32      8       3700.           3026.           6.000
37.97            3.000
    148       5     32      7       3700.           4053.           6.000
50.85            3.000
    149       5     33      7       3700.           7041.           6.000
88.33            3.000
    150       5     34      7       3700.           6296.           6.000
78.99            3.000
    151       5     35      7       3700.           6296.           6.000
78.99            3.000
    152       5     36      7       3700.           6266.           6.000
78.61            3.000
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0.3787            3.000
    154       5      37       6        3700.            6296.            6.000
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    155       5      38       6        3700.            6296.            6.000
78.99             3.000
    156       5      39       6        3700.            6296.            6.000
78.99             3.000
    157       5      40       6        3700.            6296.            6.000
78.99             3.000
    158       5      41       6        3700.            6296.            6.000
78.99             3.000
    159       5      42       6        3700.            6296.            6.000
78.99             3.000
    160       5      43       6        3700.            6296.            6.000
78.99             3.000
    161       5      44       6        3700.            6296.            6.000
78.99             3.000
    162       5      45       6        3700.            6296.            6.000
78.99             3.000
    163       5      46       6        3700.            6296.            6.000
78.99             3.000
    164       5      47       6        3700.            6296.            6.000
78.99             3.000
    165       5      48       6        3700.            6296.            6.000
78.99             3.000
    166       5      49       6        3700.            6296.            6.000
78.99             3.000
    167       5      50       6        3700.            6296.            6.000
78.99             3.000
    168       5      51       6        3700.            1055.            6.000
13.23             3.000
    169       5      51       5        3700.            5241.            6.000
65.75             3.000
    170       5      52       5        3700.            6296.            6.000
78.99             3.000
    171       5      53       5        3700.            6296.            6.000
78.99             3.000
    172       5      54       5        3700.            6296.            6.000
78.99             3.000
    173       5      55       5        3700.            6296.            6.000
78.99             3.000
    174       5      56       5        3700.            6296.            6.000
78.99             3.000
    175       5      57       5        3700.            6296.            6.000
78.99             3.000
    176       5      58       5        3700.            6296.            6.000
78.99             3.000
    177       5      59       5        3700.            6296.            6.000
78.99             3.000
    178       5      60       5        3700.            6270.            6.000
78.66             3.000
    179       5      61       5        3700.            5700.            6.000
71.51             3.000
    180       5      62       5        3700.            5181.            6.000
65.01             3.000
    181       5      63       5        3700.            4710.            6.000
59.10             3.000
    182       5      64       5        3700.            4282.            6.000
53.73             3.000
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48.84            3.000
    184       5      66       5        3700.            3539.            6.000
44.40            3.000
    185       5      67       5        3700.            43.66            6.000
0.5477            3.000
    186       5      67       4        3700.            3052.            6.000
38.29            3.000
    187       5      67       5        3700.            131.5            6.000
1.650            3.000
    188       5      68       5        3700.            2950.            6.000
37.01            3.000
    189       5      69       5        3700.            2682.            6.000
33.65            3.000
    190       5      70       5        3700.            2438.            6.000
30.59            3.000
    191       5      71       5        3700.            2217.            6.000
27.81            3.000
    192       5      72       5        3700.            2015.            6.000
25.28            3.000
    193       5      73       5        3700.            2217.            6.000
27.81            3.000
    194       5      74       5        3700.            2438.            6.000
30.59            3.000
    195       5      75       5        3700.            2682.            6.000
33.65            3.000
    196       5      76       5        3700.            2950.            6.000
37.01            3.000
    197       5      77       5        3700.            3245.            6.000
40.72            3.000
    198       5      78       5        3700.            3570.            6.000
44.79            3.000
    199       5      79       5        3700.            3927.            6.000
49.27            3.000
    200       5      80       5        3700.            4319.            6.000
54.19            3.000
    201       5      81       5        3700.            4751.            6.000
59.61            3.000
    202       5      82       5        3700.            96.95            6.000
1.216            3.000
    203       5      82       6        3700.            5129.            6.000
64.36            3.000
    204       5      83       6        3700.            5749.            6.000
72.13            3.000
    205       5      84       6        3700.            6324.            6.000
79.34            3.000
    206       5      85       6        3700.            6330.            6.000
79.42            3.000
    207       5      86       6        3700.            6330.            6.000
79.42            3.000
    208       5      87       6        3700.            6330.            6.000
79.42            3.000
    209       5      88       6        3700.            6330.            6.000
79.42            3.000
    210       5      89       6        3700.            106.0            6.000
1.329            3.000
    211       5      89       7        3700.            6224.            6.000
78.09            3.000
    212       5      90       7        3700.            6330.            6.000
79.42            3.000
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79.42            3.000
    214      5     92      7       3700.          6330.          6.000
79.42            3.000
    215      5     93      7       3700.          6330.          6.000
79.42            3.000
    216      5     94      7       3700.          6330.          6.000
79.42            3.000
    217      5     95      7       3700.          4754.          6.000
59.65            3.000
    218      5     95      8       3700.          1576.          6.000
19.78            3.000
    219      5     96      8       3700.          6330.          6.000
79.42            3.000
    220      5     97      8       3700.          6330.          6.000
79.42            3.000
    221      5     98      8       3700.          6330.          6.000
79.42            3.000
    222      5     99      8       3700.          6330.          6.000
79.42            3.000
    223      5    100      8       3700.          6330.          6.000
79.42            3.000
    224      5    101      8       3700.          6330.          6.000
79.42            3.000
    225      5    102      8       3700.          3072.          6.000
38.54            3.000
    226      5    102      9       3700.          3258.          6.000
40.88            3.000
    227      5    103      9       3700.          5863.          6.000
73.56            3.000
    228      5    108     11       3700.          9150.          6.000
59.10            4.000
    229      5    109     11       3700.          3520.          6.000
22.74            4.000
    230      5    109     12       3700.        0.1024E+05       6.000
66.13            4.000
    231      5    110     12       3700.        0.1376E+05       6.000
88.86            4.000
    232      5    111     12       3700.          2323.          6.000
15.00            4.000
    233      5    111     13       3700.        0.1144E+05       6.000
73.86            4.000
    234      5    112     13       3700.        0.1376E+05       6.000
88.86            4.000
    235      5    113     13       3700.          1126.          6.000
7.271            4.000
    236      5    113     14       3700.        0.1263E+05       6.000
81.59            4.000
    237      5    114     14       3700.        0.1369E+05       6.000
88.40            4.000
    238      5    114     15       3700.          71.40          6.000
0.4612            4.000
    239      5    115     15       3700.        0.1376E+05       6.000
88.86            4.000
    240      5    116     15       3700.        0.1249E+05       6.000
80.67            4.000
    241      5    116     16       3700.          1269.          6.000
8.193            4.000
    242      5    117     16       3700.        0.1376E+05       6.000
88.86            4.000
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72.94            4.000
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15.93            4.000
    245      5    119     17       3700.          0.1376E+05       6.000
88.86            4.000
    246      5    120     17       3700.          0.1010E+05       6.000
65.21            4.000
    247      5    120     18       3700.           3663.           6.000
23.66            4.000
    248      5    121     18       3700.          0.1376E+05       6.000
88.86            4.000
    249      5    122     18       3700.           8899.           6.000
57.47            4.000
    250      5    122     19       3700.           4860.           6.000
31.39            4.000
    251      5    123     19       3700.          0.1376E+05       6.000
88.86            4.000
    252      5    124     19       3700.           7701.           6.000
49.74            4.000
    253      5    124     20       3700.           6057.           6.000
39.12            4.000
    254      5    125     20       3700.          0.1254E+05       6.000
80.96            4.000
    255      5    125     21       3700.          0.1278E+05       6.000
82.56            4.000
    256      5    125     22       3700.           7981.           6.000
51.55            4.000
    257      5    126     22       3700.           4802.           6.000
31.02            4.000
    258      5    126     23       3700.          0.1278E+05       6.000
82.56            4.000
    259      5    126     24       3700.          0.1278E+05       6.000
82.56            4.000
    260      5    126     25       3700.          0.1278E+05       6.000
82.56            4.000
    261      5    126     26       3700.           2159.           6.000
13.94            4.000
    262      5    127     26       3700.          0.1062E+05       6.000
68.62            4.000
    263      5    127     27       3700.          0.1278E+05       6.000
82.56            4.000
    264      5    127     28       3700.          0.1278E+05       6.000
82.56            4.000
    265      5    127     29       3700.           9120.           6.000
58.91            4.000
    266      5    128     29       3700.           3663.           6.000
23.66            4.000
    267      5    128     30       3700.          0.1278E+05       6.000
82.56            4.000
    268      5    128     31       3700.          0.1278E+05       6.000
82.56            4.000
    269      5    128     32       3700.          0.1278E+05       6.000
82.56            4.000
    270      5    128     33       3700.           3298.           6.000
21.30            4.000
    271      5    129     33       3700.           9485.           6.000
61.26            4.000
    272      5    129     34       3700.          0.1278E+05       6.000
82.56            4.000
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82.56            4.000
    274      5    129     36       3700.          0.1026E+05       6.000
66.26            4.000
    275      5    130     36       3700.           2351.           6.000
15.18            4.000
    276      5    130     37       3700.          0.1146E+05       6.000
74.04            4.000
    277      5    130     38       3700.          0.1042E+05       6.000
67.31            4.000
    278      5    130     39       3700.           9474.           6.000
61.19            4.000
    279      5    130     40       3700.           8613.           6.000
55.63            4.000
    280      5    130     41       3700.           2986.           6.000
19.29            4.000
    281      5    131     41       3700.           4844.           6.000
31.29            4.000
    282      5    131     42       3700.           7118.           6.000
45.98            4.000
    283      5    131     43       3700.           6471.           6.000
41.80            4.000
    284      5    131     44       3700.           5883.           6.000
38.00            4.000
    285      5    131     45       3700.           5348.           6.000
34.54            4.000
    286      5    131     46       3700.           4862.           6.000
31.40            4.000
    287      5    131     47       3700.           4420.           6.000
28.55            4.000
    288      5    131     48       3700.           4018.           6.000
25.95            4.000
    289      5    131     49       3700.           2347.           6.000
15.16            4.000
    290      5    132     49       3700.           2073.           6.000
13.39            4.000
    291      5    132     50       3700.           4862.           6.000
31.40            4.000
    292      5    132     51       3700.           5329.           6.000
34.42            4.000
    293      5    132     52       3700.           5845.           6.000
37.75            4.000
    294      5    132     53       3700.           1390.           6.000
8.979            4.000
    295      5    131     53       3700.           5040.           6.000
32.55            4.000
    296      5    131     54       3700.           7073.           6.000
45.68            4.000
    297      5    131     55       3700.           7780.           6.000
50.25            4.000
    298      5    131     56       3700.           8558.           6.000
55.27            4.000
    299      5    131     57       3700.           9414.           6.000
60.80            4.000
    300      5    131     58       3700.          0.1036E+05       6.000
66.88            4.000
    301      5    131     59       3700.           1415.           6.000
9.137            4.000
    302      5    130     59       3700.           9976.           6.000
64.43            4.000
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80.72            4.000
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80.72            4.000
    305      5    130     62       3700.          0.1250E+05       6.000
80.72            4.000
    306      5    130     63       3700.           2164.           6.000
13.98            4.000
    307      5    129     63       3700.          0.1033E+05       6.000
66.74            4.000
    308      5    129     64       3700.          0.1250E+05       6.000
80.72            4.000
    309      5    129     65       3700.          0.1250E+05       6.000
80.72            4.000
    310      5    129     66       3700.          0.1250E+05       6.000
80.72            4.000
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11.67            4.000
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69.06            4.000
    313      5    128     68       3700.          0.1250E+05       6.000
80.72            4.000
    314      5    128     69       3700.          0.1250E+05       6.000
80.72            4.000
    315      5    128     70       3700.          0.1250E+05       6.000
80.72            4.000
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9.355            4.000
    317      5    127     71       3700.          0.1105E+05       6.000
71.37            4.000
    318      5    127     72       3700.          0.1250E+05       6.000
80.72            4.000
    319      5    127     73       3700.          0.1250E+05       6.000
80.72            4.000
    320      5    127     74       3700.          0.1250E+05       6.000
80.72            4.000
    321      5    127     75       3700.           1091.           6.000
7.044            4.000
    322      5    126     75       3700.          0.1141E+05       6.000
73.68            4.000
    323      5    126     76       3700.          0.1250E+05       6.000
80.72            4.000
    324      5    126     77       3700.          0.1250E+05       6.000
80.72            4.000
    325      5    126     78       3700.          0.1250E+05       6.000
80.72            4.000
    326      5    126     79       3700.           732.8           6.000
4.733            4.000
    327      5    125     79       3700.          0.1176E+05       6.000
75.99            4.000
    328      5    125     80       3700.          0.1507E+05       6.000
97.33            4.000
    329      5    124     80       3700.           4068.           6.000
26.28            4.000
    330      5    124     81       3700.           9681.           6.000
62.53            4.000
    331      5    123     81       3700.          0.1375E+05       6.000
88.80            4.000
    332      5    122     81       3700.           2532.           6.000
16.35            4.000
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    333       5    122      82        3700.          0.1122E+05        6.000
72.45            4.000
    334       5    121      82        3700.          0.1375E+05        6.000
88.80            4.000
    335       5    120      82        3700.           996.0            6.000
6.433            4.000
    336       5    120      83        3700.          0.1275E+05        6.000
82.37            4.000
    337       5    119      83        3700.          0.1321E+05        6.000
85.31            4.000
    338       5    119      84        3700.           540.2            6.000
3.489            4.000
    339       5    118      84        3700.          0.1375E+05        6.000
88.80            4.000
    340       5    117      84        3700.          0.1167E+05        6.000
75.39            4.000
    341       5    117      85        3700.           2076.            6.000
13.41            4.000
    342       5    116      85        3700.          0.1375E+05        6.000
88.80            4.000
    343       5    115      85        3700.          0.1014E+05        6.000
65.47            4.000
    344       5    115      86        3700.           3612.            6.000
23.33            4.000
    345       5    114      86        3700.          0.1375E+05        6.000
88.80            4.000
    346       5    113      86        3700.           8601.            6.000
55.55            4.000
    347       5    113      87        3700.           5149.            6.000
33.25            4.000
    348       5    112      87        3700.          0.1375E+05        6.000
88.80            4.000
    349       5    111      87        3700.           7064.            6.000
45.63            4.000
    350       5    111      88        3700.           6685.            6.000
43.18            4.000
    351       5    110      88        3700.          0.1375E+05        6.000
88.80            4.000
    352       5    109      88        3700.           5528.            6.000
35.71            4.000
    353       5    109      89        3700.           8221.            6.000
53.10            4.000
    354       5    108      89        3700.          0.1375E+05        6.000
88.80            4.000
    355       5    107      89        3700.           3992.            6.000
25.79            4.000
    356       5    107      90        3700.           9757.            6.000
63.02            4.000
    357       5    106      90        3700.          0.1375E+05        6.000
88.80            4.000
    358       5    105      90        3700.           2456.            6.000
15.86            4.000
    359       5    105      91        3700.          0.1129E+05        6.000
72.94            4.000
    360       5    104      91        3700.          0.1375E+05        6.000
88.80            4.000
    361       5    103      91        3700.           920.0            6.000
5.942            4.000
    362       5    103      92        3700.          0.1283E+05        6.000
82.86            4.000
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    363      5    102     92       3700.          0.1271E+05       6.000
82.10            4.000
    364      5    101     92       3700.          0.1219E+05       6.000
78.73            4.000
    365      5    100     92       3700.          0.1219E+05       6.000
78.73            4.000
    366      5     99     92       3700.          0.1219E+05       6.000
78.73            4.000
    367      5     98     92       3700.          0.1219E+05       6.000
78.73            4.000
    368      5     97     92       3700.           646.0           6.000
4.173            4.000
    369      5     97     93       3700.          0.1154E+05       6.000
74.55            4.000
    370      5     96     93       3700.          0.1219E+05       6.000
78.73            4.000
    371      5     95     93       3700.          0.1219E+05       6.000
78.73            4.000
    372      5     94     93       3700.          0.1219E+05       6.000
78.73            4.000
    373      5     93     93       3700.          0.1219E+05       6.000
78.73            4.000
    374      5     92     93       3700.          0.1219E+05       6.000
78.73            4.000
    375      5     91     93       3700.          0.1219E+05       6.000
78.73            4.000
    376      5     90     93       3700.          0.1219E+05       6.000
78.73            4.000
    377      5     89     93       3700.          0.1219E+05       6.000
78.73            4.000
    378      5     88     93       3700.          0.1219E+05       6.000
78.73            4.000
    379      5     87     93       3700.          0.1219E+05       6.000
78.73            4.000
    380      5     86     93       3700.          0.1219E+05       6.000
78.73            4.000
    381      5     85     93       3700.          0.1219E+05       6.000
78.73            4.000
    382      5     84     93       3700.          0.1218E+05       6.000
78.65            4.000
    383      5     83     93       3700.           4942.           6.000
31.92            4.000
    384      5     83     94       3700.           6128.           6.000
39.58            4.000
    385      5     82     94       3700.          0.1006E+05       6.000
65.00            4.000
    386      5     81     94       3700.           9149.           6.000
59.09            4.000
    387      5     80     94       3700.           8317.           6.000
53.72            4.000
    388      5     79     94       3700.           7561.           6.000
48.84            4.000
    389      5     78     94       3700.           6874.           6.000
44.40            4.000
    390      5     77     94       3700.           6249.           6.000
40.36            4.000
    391      5     76     94       3700.           5681.           6.000
36.69            4.000
    392      5     75     94       3700.           5164.           6.000
33.36            4.000
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    393      5     74     94       3700.          4695.          6.000
30.32           4.000
    394      5     73     94       3700.          4268.          6.000
27.57           4.000
    395      5     72     94       3700.          3880.          6.000
25.06           4.000
    396      5     71     94       3700.          4268.          6.000
27.57           4.000
    397      5     70     94       3700.          4695.          6.000
30.32           4.000
    398      5     69     94       3700.          5164.          6.000
33.36           4.000
    399      5     68     94       3700.          5681.          6.000
36.69           4.000
    400      5     67     94       3700.          6249.          6.000
40.36           4.000
    401      5     66     94       3700.          6874.          6.000
44.40           4.000
    402      5     65     94       3700.          7561.          6.000
48.84           4.000
    403      5     64     94       3700.          8317.          6.000
53.72           4.000
    404      5     63     94       3700.          9149.          6.000
59.09           4.000
    405      5     62     94       3700.        0.1006E+05       6.000
65.00           4.000
    406      5     61     94       3700.        0.1107E+05       6.000
71.50           4.000
    407      5     60     94       3700.        0.1218E+05       6.000
78.65           4.000
    408      5     59     94       3700.        0.1223E+05       6.000
79.01           4.000
    409      5     58     94       3700.        0.1223E+05       6.000
79.01           4.000
    410      5     57     94       3700.        0.1223E+05       6.000
79.01           4.000
    411      5     56     94       3700.        0.1223E+05       6.000
79.01           4.000
    412      5     55     94       3700.        0.1223E+05       6.000
79.01           4.000
    413      5     54     94       3700.        0.1223E+05       6.000
79.01           4.000
    414      5     53     94       3700.        0.1223E+05       6.000
79.01           4.000
    415      5     52     94       3700.        0.1223E+05       6.000
79.01           4.000
    416      5     51     94       3700.        0.1223E+05       6.000
79.01           4.000
    417      5     50     94       3700.        0.1223E+05       6.000
79.01           4.000
    418      5     49     94       3700.        0.1223E+05       6.000
79.01           4.000
    419      5     48     94       3700.        0.1223E+05       6.000
79.01           4.000
    420      5     47     94       3700.          6987.          6.000
45.13           4.000
    421      5     47     93       3700.          5246.          6.000
33.88           4.000
    422      5     46     93       3700.        0.1223E+05       6.000
79.01           4.000
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    423      5     45     93       3700.          0.1223E+05       6.000
79.01           4.000
    424      5     44     93       3700.          0.1223E+05       6.000
79.01           4.000
    425      5     43     93       3700.          0.1223E+05       6.000
79.01           4.000
    426      5     42     93       3700.          0.1223E+05       6.000
79.01           4.000
    427      5     41     93       3700.          0.1223E+05       6.000
79.01           4.000
    428      5     40     93       3700.          0.1223E+05       6.000
79.01           4.000
    429      5     39     93       3700.           8035.           6.000
51.90           4.000
    430      5    103      9       3700.           1312.           6.000
6.558           5.000
    431      5    104      9       3700.          0.1777E+05       6.000
88.86           5.000
    432      5    105      9       3700.           7640.           6.000
38.20           5.000
    433      5    105     10       3700.          0.1013E+05       6.000
50.67           5.000
    434      5    106     10       3700.          0.1777E+05       6.000
88.86           5.000
    435      5    107     10       3700.           6093.           6.000
30.47           5.000
    436      5    107     11       3700.          0.1168E+05       6.000
58.40           5.000
    437      5    108     11       3700.           5953.           6.000
29.76           5.000
    438      6     33     92       2900.           0.000           6.000
20.81           6.000
    439      6     32     92       2900.           0.000           6.000
91.24           6.000
    440      6     32     91       2900.           0.000           6.000
12.13           6.000
    441      6     31     91       2900.           0.000           6.000
103.4           6.000
    442      6     30     91       2900.           0.000           6.000
5.405           6.000
    443      6     30     90       2900.           0.000           6.000
97.96           6.000
    444      6     29     90       2900.           0.000           6.000
22.94           6.000
    445      6     29     89       2900.           0.000           6.000
80.43           6.000
    446      6     28     89       2900.           0.000           6.000
40.48           6.000
    447      6     28     88       2900.           0.000           6.000
62.89           6.000
    448      6     27     88       2900.           0.000           6.000
58.01           6.000
    449      6     27     87       2900.           0.000           6.000
45.36           6.000
    450      6     26     87       2900.           0.000           6.000
75.55           6.000
    451      6     26     86       2900.           0.000           6.000
27.82           6.000
    452      6     25     86       2900.           0.000           6.000
93.08           6.000
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    453      6     25     85       2900.           0.000           6.000
10.29           6.000
    454      6     24     85       2900.           0.000           6.000
103.4           6.000
    455      6     23     85       2900.           0.000           6.000
7.250           6.000
    456      6     23     84       2900.           0.000           6.000
96.12           6.000
    457      6     22     84       2900.           0.000           6.000
24.79           6.000
    458      6     22     83       2900.           0.000           6.000
78.58           6.000
    459      6     21     83       2900.           0.000           6.000
42.32           6.000
    460      6     21     82       2900.           0.000           6.000
61.05           6.000
    461      6     20     82       2900.           0.000           6.000
59.86           6.000
    462      6     20     81       2900.           0.000           6.000
43.51           6.000
    463      6     19     81       2900.           0.000           6.000
77.39           6.000
    464      6     19     80       2900.           0.000           6.000
25.98           6.000
    465      6     18     80       2900.           0.000           6.000
94.93           6.000
    466      6     18     79       2900.           0.000           6.000
8.440           6.000
    467      6     17     79       2900.           0.000           6.000
103.4           6.000
    468      6     16     79       2900.           0.000           6.000
9.095           6.000
    469      6     16     78       2900.           0.000           6.000
94.27           6.000
    470      6     15     78       2900.           0.000           6.000
26.63           6.000
    471      6     15     77       2900.           0.000           6.000
76.74           6.000
    472      6     14     77       2900.           0.000           6.000
44.17           6.000
    473      6     14     76       2900.           0.000           6.000
59.20           6.000
    474      6     13     76       2900.           0.000           6.000
61.70           6.000
    475      6     13     75       2900.           0.000           6.000
41.67           6.000
    476      6     12     75       2900.           0.000           6.000
79.24           6.000
    477      6     12     74       2900.           0.000           6.000
24.13           6.000
    478      6     11     74       2900.           0.000           6.000
96.77           6.000
    479      6     11     73       2900.           0.000           6.000
6.595           6.000
    480      6     10     73       2900.           0.000           6.000
103.4           6.000
    481      6      9     73       2900.           0.000           6.000
10.94           6.000
    482      6      9     72       2900.           0.000           6.000
82.14           6.000
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    483      6      9     71       2900.           0.000           6.000
78.62           6.000
    484      6      9     70       2900.           0.000           6.000
78.62           6.000
    485      6      9     69       2900.           0.000           6.000
78.62           6.000
    486      6      9     68       2900.           0.000           6.000
78.62           6.000
    487      6      9     67       2900.           0.000           6.000
78.62           6.000
    488      6      9     66       2900.           0.000           6.000
78.62           6.000
    489      6      9     65       2900.           0.000           6.000
78.62           6.000
    490      6      9     64       2900.           0.000           6.000
34.60           6.000
    491      6      8     64       2900.           0.000           6.000
44.02           6.000
    492      6      8     63       2900.           0.000           6.000
78.62           6.000
    493      6      8     62       2900.           0.000           6.000
78.62           6.000
    494      6      8     61       2900.           0.000           6.000
78.62           6.000
    495      6      8     60       2900.           0.000           6.000
78.62           6.000
    496      6      8     59       2900.           0.000           6.000
71.66           6.000
    497      6      8     58       2900.           0.000           6.000
65.14           6.000
    498      6      8     57       2900.           0.000           6.000
59.22           6.000
    499      6      8     56       2900.           0.000           6.000
53.84           6.000
    500      6      8     55       2900.           0.000           6.000
48.94           6.000
    501      6      8     54       2900.           0.000           6.000
44.49           6.000
    502      6      8     53       2900.           0.000           6.000
40.45           6.000
    503      6      8     52       2900.           0.000           6.000
36.77           6.000
    504      6      8     51       2900.           0.000           6.000
33.43           6.000
    505      6      8     50       2900.           0.000           6.000
11.99           6.000
    506      6      7     50       2900.           0.000           6.000
18.40           6.000
    507      6      7     49       2900.           0.000           6.000
27.63           6.000
    508      6      7     48       2900.           0.000           6.000
25.11           6.000
    509      6      7     47       2900.           0.000           6.000
27.63           6.000
    510      6      7     46       2900.           0.000           6.000
30.39           6.000
    511      6      7     45       2900.           0.000           6.000
33.43           6.000
    512      6      7     44       2900.           0.000           6.000
36.77           6.000
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    513      6      7     43       2900.           0.000           6.000
40.45           6.000
    514      6      7     42       2900.           0.000           6.000
44.49           6.000
    515      6      7     41       2900.           0.000           6.000
48.94           6.000
    516      6      7     40       2900.           0.000           6.000
53.84           6.000
    517      6      7     39       2900.           0.000           6.000
59.22           6.000
    518      6      7     38       2900.           0.000           6.000
65.14           6.000
    519      6      7     37       2900.           0.000           6.000
71.66           6.000
    520      6      7     36       2900.           0.000           6.000
78.82           6.000
    521      6      7     35       2900.           0.000           6.000
79.90           6.000
    522      6      7     34       2900.           0.000           6.000
79.90           6.000
    523      6      7     33       2900.           0.000           6.000
2.719           6.000
    524      6      6     33       2900.           0.000           6.000
77.18           6.000
    525      6      6     32       2900.           0.000           6.000
79.90           6.000
    526      6      6     31       2900.           0.000           6.000
27.42           6.000
    527      6     39     93       2900.           0.000           6.000
27.11           7.000
    528      6     38     93       2900.           0.000           6.000
79.01           7.000
    529      6     37     93       2900.           0.000           6.000
79.01           7.000
    530      6     36     93       2900.           0.000           6.000
79.01           7.000
    531      6     35     93       2900.           0.000           6.000
79.01           7.000
    532      6     34     93       2900.           0.000           6.000
65.40           7.000
    533      6     34     92       2900.           0.000           6.000
13.61           7.000
    534      6     33     92       2900.           0.000           6.000
63.10           7.000
    535      6      6     31       2900.           0.000           6.000
36.14           8.000
    536      6      7     31       2900.           0.000           6.000
23.71           8.000
    537      6      7     30       2900.           0.000           6.000
91.12           8.000
    538      6      7     29       2900.           0.000           6.000
46.65           8.000
    539      6      8     29       2900.           0.000           6.000
44.47           8.000
    540      6      8     28       2900.           0.000           6.000
91.12           8.000
    541      6      8     27       2900.           0.000           6.000
25.89           8.000
    542      6      9     27       2900.           0.000           6.000
65.23           8.000
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    543      6      9     26       2900.           0.000           6.000
91.12           8.000
    544      6      9     25       2900.           0.000           6.000
5.133           8.000
    545      6     10     25       2900.           0.000           6.000
85.98           8.000
    546      6     10     24       2900.           0.000           6.000
75.49           8.000
    547      6     11     24       2900.           0.000           6.000
15.62           8.000
    548      6     11     23       2900.           0.000           6.000
91.12           8.000
    549      6     11     22       2900.           0.000           6.000
54.74           8.000
    550      6     12     22       2900.           0.000           6.000
36.38           8.000
    551      6     12     21       2900.           0.000           6.000
91.12           8.000
    552      6     12     20       2900.           0.000           6.000
33.98           8.000
    553      6     13     20       2900.           0.000           6.000
57.14           8.000
    554      6     13     19       2900.           0.000           6.000
91.12           8.000
    555      6     13     18       2900.           0.000           6.000
13.22           8.000
    556      6     14     18       2900.           0.000           6.000
77.89           8.000
    557      6     14     17       2900.           0.000           6.000
83.58           8.000
    558      6     15     17       2900.           0.000           6.000
7.533           8.000
    559      6     15     16       2900.           0.000           6.000
86.88           8.000
    560      6     16     16       2900.           0.000           6.000
81.04           8.000
    561      6     16     15       2900.           0.000           6.000
7.787           8.000
    562      6     17     15       2900.           0.000           6.000
88.82           8.000
    563      6     18     15       2900.           0.000           6.000
75.65           8.000
    564      6     18     14       2900.           0.000           6.000
13.17           8.000
    565      6     19     14       2900.           0.000           6.000
88.82           8.000
    566      6     20     14       2900.           0.000           6.000
70.27           8.000
    567      6     20     13       2900.           0.000           6.000
18.55           8.000
    568      6     21     13       2900.           0.000           6.000
88.82           8.000
    569      6     22     13       2900.           0.000           6.000
64.89           8.000
    570      6     22     12       2900.           0.000           6.000
23.94           8.000
    571      6     23     12       2900.           0.000           6.000
88.82           8.000
    572      6     24     12       2900.           0.000           6.000
59.50           8.000
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    573      6     24     11       2900.           0.000           6.000
29.32            8.000
    574      6     25     11       2900.           0.000           6.000
88.82            8.000
    575      6     26     11       2900.           0.000           6.000
54.12            8.000
    576      6     26     10       2900.           0.000           6.000
34.70            8.000
    577      6     27     10       2900.           0.000           6.000
88.82            8.000
    578      6     28     10       2900.           0.000           6.000
48.74            8.000
    579      6     28      9       2900.           0.000           6.000
40.09            8.000
    580      6     29      9       2900.           0.000           6.000
88.82            8.000
    581      6     30      9       2900.           0.000           6.000
43.35            8.000
    582      6     30      8       2900.           0.000           6.000
45.47            8.000
    583      6     31      8       2900.           0.000           6.000
88.82            8.000
    584      6     32      8       2900.           0.000           6.000
37.97            8.000
    585      6     32      7       2900.           0.000           6.000
50.85            8.000
    586      6     33      7       2900.           0.000           6.000
88.33            8.000
    587      6     34      7       2900.           0.000           6.000
78.99            8.000
    588      6     35      7       2900.           0.000           6.000
78.99            8.000
    589      6     36      7       2900.           0.000           6.000
78.61            8.000
    590      6     36      6       2900.           0.000           6.000
0.3787            8.000
    591      6     37      6       2900.           0.000           6.000
78.99            8.000
    592      6     38      6       2900.           0.000           6.000
78.99            8.000
    593      6     39      6       2900.           0.000           6.000
78.99            8.000
    594      6     40      6       2900.           0.000           6.000
78.99            8.000
    595      6     41      6       2900.           0.000           6.000
78.99            8.000
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78.99            8.000
    597      6     43      6       2900.           0.000           6.000
78.99            8.000
    598      6     44      6       2900.           0.000           6.000
78.99            8.000
    599      6     45      6       2900.           0.000           6.000
78.99            8.000
    600      6     46      6       2900.           0.000           6.000
78.99            8.000
    601      6     47      6       2900.           0.000           6.000
78.99            8.000
    602      6     48      6       2900.           0.000           6.000
78.99            8.000
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78.99           8.000
    604      6     50      6       2900.           0.000           6.000
78.99           8.000
    605      6     51      6       2900.           0.000           6.000
13.23           8.000
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65.75           8.000
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78.99           8.000
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78.99           8.000
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78.99           8.000
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78.99           8.000
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78.99           8.000
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78.99           8.000
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78.99           8.000
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78.99           8.000
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78.66           8.000
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71.51           8.000
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65.01           8.000
    618      6     63      5       2900.           0.000           6.000
59.10           8.000
    619      6     64      5       2900.           0.000           6.000
53.73           8.000
    620      6     65      5       2900.           0.000           6.000
48.84           8.000
    621      6     66      5       2900.           0.000           6.000
44.40           8.000
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0.5477           8.000
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38.29           8.000
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1.650           8.000
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37.01           8.000
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33.65           8.000
    627      6     70      5       2900.           0.000           6.000
30.59           8.000
    628      6     71      5       2900.           0.000           6.000
27.81           8.000
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25.28           8.000
    630      6     73      5       2900.           0.000           6.000
27.81           8.000
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30.59           8.000
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33.65           8.000
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37.01           8.000
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44.79           8.000
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59.61           8.000
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1.216           8.000
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72.13           8.000
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79.34           8.000
    643      6     85      6       2900.           0.000           6.000
79.42           8.000
    644      6     86      6       2900.           0.000           6.000
79.42           8.000
    645      6     87      6       2900.           0.000           6.000
79.42           8.000
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79.42           8.000
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1.329           8.000
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78.09           8.000
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79.42           8.000
    650      6     91      7       2900.           0.000           6.000
79.42           8.000
    651      6     92      7       2900.           0.000           6.000
79.42           8.000
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79.42           8.000
    653      6     94      7       2900.           0.000           6.000
79.42           8.000
    654      6     95      7       2900.           0.000           6.000
59.65           8.000
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19.78           8.000
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79.42           8.000
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79.42           8.000
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79.42           8.000
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79.42           8.000
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79.42           8.000
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79.42           8.000
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38.54           8.000
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66.13            9.000
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88.86            9.000
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15.00            9.000
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73.86            9.000
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88.86            9.000
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0.4612            9.000
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88.86            9.000
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80.67            9.000
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8.193            9.000
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88.86            9.000
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72.94            9.000
    681      6    118     17       2900.           0.000           6.000
15.93            9.000
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88.86            9.000
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65.21            9.000
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23.66            9.000
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88.86            9.000
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57.47            9.000
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31.39            9.000
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88.86            9.000
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49.74            9.000
    690      6    124     20       2900.           0.000           6.000
39.12            9.000
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82.56            9.000
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31.02            9.000
    695      6    126     23       2900.           0.000           6.000
82.56            9.000
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82.56            9.000
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82.56            9.000
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13.94            9.000
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68.62            9.000
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82.56            9.000
    701      6    127     28       2900.           0.000           6.000
82.56            9.000
    702      6    127     29       2900.           0.000           6.000
58.91            9.000
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23.66            9.000
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82.56            9.000
    705      6    128     31       2900.           0.000           6.000
82.56            9.000
    706      6    128     32       2900.           0.000           6.000
82.56            9.000
    707      6    128     33       2900.           0.000           6.000
21.30            9.000
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61.26            9.000
    709      6    129     34       2900.           0.000           6.000
82.56            9.000
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82.56            9.000
    711      6    129     36       2900.           0.000           6.000
66.26            9.000
    712      6    130     36       2900.           0.000           6.000
15.18            9.000
    713      6    130     37       2900.           0.000           6.000
74.04            9.000
    714      6    130     38       2900.           0.000           6.000
67.31            9.000
    715      6    130     39       2900.           0.000           6.000
61.19            9.000
    716      6    130     40       2900.           0.000           6.000
55.63            9.000
    717      6    130     41       2900.           0.000           6.000
19.29            9.000
    718      6    131     41       2900.           0.000           6.000
31.29            9.000
    719      6    131     42       2900.           0.000           6.000
45.98            9.000
    720      6    131     43       2900.           0.000           6.000
41.80            9.000
    721      6    131     44       2900.           0.000           6.000
38.00            9.000
    722      6    131     45       2900.           0.000           6.000
34.54            9.000
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28.55            9.000
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25.95            9.000
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15.16            9.000
    727      6    132     49       2900.           0.000           6.000
13.39            9.000
    728      6    132     50       2900.           0.000           6.000
31.40            9.000
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34.42            9.000
    730      6    132     52       2900.           0.000           6.000
37.75            9.000
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8.979            9.000
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50.25            9.000
    735      6    131     56       2900.           0.000           6.000
55.27            9.000
    736      6    131     57       2900.           0.000           6.000
60.80            9.000
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66.88            9.000
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9.137            9.000
    739      6    130     59       2900.           0.000           6.000
64.43            9.000
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80.72            9.000
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80.72            9.000
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80.72            9.000
    743      6    130     63       2900.           0.000           6.000
13.98            9.000
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66.74            9.000
    745      6    129     64       2900.           0.000           6.000
80.72            9.000
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80.72            9.000
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80.72            9.000
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11.67            9.000
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69.06            9.000
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80.72            9.000
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80.72            9.000
    752      6    128     70       2900.           0.000           6.000
80.72            9.000
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    753      6    128     71       2900.           0.000           6.000
9.355            9.000
    754      6    127     71       2900.           0.000           6.000
71.37            9.000
    755      6    127     72       2900.           0.000           6.000
80.72            9.000
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80.72            9.000
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80.72            9.000
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7.044            9.000
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73.68            9.000
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80.72            9.000
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80.72            9.000
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80.72            9.000
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4.733            9.000
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75.99            9.000
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97.33            9.000
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26.28            9.000
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16.35            9.000
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72.45            9.000
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6.433            9.000
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85.31            9.000
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3.489            9.000
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    777      6    117     84       2900.           0.000           6.000
75.39            9.000
    778      6    117     85       2900.           0.000           6.000
13.41            9.000
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    780      6    115     85       2900.           0.000           6.000
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88.80            9.000
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45.63            9.000
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88.80            9.000
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35.71            9.000
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53.10            9.000
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88.80            9.000
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25.79            9.000
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63.02            9.000
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88.80            9.000
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15.86            9.000
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72.94            9.000
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88.80            9.000
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5.942            9.000
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78.73            9.000
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78.73            9.000
    803      6     99     92       2900.           0.000           6.000
78.73            9.000
    804      6     98     92       2900.           0.000           6.000
78.73            9.000
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4.173            9.000
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    808      6     95     93       2900.           0.000           6.000
78.73            9.000
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78.73            9.000
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78.73            9.000
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78.73            9.000
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78.73            9.000
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78.73           9.000
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78.73           9.000
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78.73           9.000
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78.73           9.000
    817      6     86     93       2900.          0.000          6.000
78.73           9.000
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78.73           9.000
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78.65           9.000
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31.92           9.000
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39.58           9.000
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65.00           9.000
    823      6     81     94       2900.          0.000          6.000
59.09           9.000
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53.72           9.000
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48.84           9.000
    826      6     78     94       2900.          0.000          6.000
44.40           9.000
    827      6     77     94       2900.          0.000          6.000
40.36           9.000
    828      6     76     94       2900.          0.000          6.000
36.69           9.000
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33.36           9.000
    830      6     74     94       2900.          0.000          6.000
30.32           9.000
    831      6     73     94       2900.          0.000          6.000
27.57           9.000
    832      6     72     94       2900.          0.000          6.000
25.06           9.000
    833      6     71     94       2900.          0.000          6.000
27.57           9.000
    834      6     70     94       2900.          0.000          6.000
30.32           9.000
    835      6     69     94       2900.          0.000          6.000
33.36           9.000
    836      6     68     94       2900.          0.000          6.000
36.69           9.000
    837      6     67     94       2900.          0.000          6.000
40.36           9.000
    838      6     66     94       2900.          0.000          6.000
44.40           9.000
    839      6     65     94       2900.          0.000          6.000
48.84           9.000
    840      6     64     94       2900.          0.000          6.000
53.72           9.000
    841      6     63     94       2900.          0.000          6.000
59.09           9.000
    842      6     62     94       2900.          0.000          6.000
65.00           9.000
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    843      6     61     94       2900.           0.000           6.000
71.50           9.000
    844      6     60     94       2900.           0.000           6.000
78.65           9.000
    845      6     59     94       2900.           0.000           6.000
79.01           9.000
    846      6     58     94       2900.           0.000           6.000
79.01           9.000
    847      6     57     94       2900.           0.000           6.000
79.01           9.000
    848      6     56     94       2900.           0.000           6.000
79.01           9.000
    849      6     55     94       2900.           0.000           6.000
79.01           9.000
    850      6     54     94       2900.           0.000           6.000
79.01           9.000
    851      6     53     94       2900.           0.000           6.000
79.01           9.000
    852      6     52     94       2900.           0.000           6.000
79.01           9.000
    853      6     51     94       2900.           0.000           6.000
79.01           9.000
    854      6     50     94       2900.           0.000           6.000
79.01           9.000
    855      6     49     94       2900.           0.000           6.000
79.01           9.000
    856      6     48     94       2900.           0.000           6.000
79.01           9.000
    857      6     47     94       2900.           0.000           6.000
45.13           9.000
    858      6     47     93       2900.           0.000           6.000
33.88           9.000
    859      6     46     93       2900.           0.000           6.000
79.01           9.000
    860      6     45     93       2900.           0.000           6.000
79.01           9.000
    861      6     44     93       2900.           0.000           6.000
79.01           9.000
    862      6     43     93       2900.           0.000           6.000
79.01           9.000
    863      6     42     93       2900.           0.000           6.000
79.01           9.000
    864      6     41     93       2900.           0.000           6.000
79.01           9.000
    865      6     40     93       2900.           0.000           6.000
79.01           9.000
    866      6     39     93       2900.           0.000           6.000
51.90           9.000
    867      6    103      9       2900.           0.000           6.000
6.558           10.00
    868      6    104      9       2900.           0.000           6.000
88.86           10.00
    869      6    105      9       2900.           0.000           6.000
38.20           10.00
    870      6    105     10       2900.           0.000           6.000
50.67           10.00
    871      6    106     10       2900.           0.000           6.000
88.86           10.00
    872      6    107     10       2900.           0.000           6.000
30.47           10.00
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    873       6    107     11       2900.           0.000           6.000
58.40           10.00
    874       6    108     11       2900.           0.000           6.000
29.76           10.00

    874 GHB CELLS

 CHD NO.   LAYER   ROW   COL    START HEAD        END HEAD
SHEADFACT       EHEADFACT       CELLGRP

------------------------------------------------------------------------
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      1       1      6     31       1562.           1562.           27.42
27.42           1.000
      2       1      6     32       3620.           3620.           79.90
79.90           1.000
      3       1      6     33       3620.           3620.           77.18
77.18           1.000
      4       1      7     33       3620.           3620.           2.719
2.719           1.000
      5       1      7     34       3620.           3620.           79.90
79.90           1.000
      6       1      7     35       3620.           3620.           79.90
79.90           1.000
      7       1      7     36       3620.           3620.           78.82
78.82           1.000
      8       1      7     37       3620.           3620.           71.66
71.66           1.000
      9       1      7     38       3620.           3620.           65.14
65.14           1.000
     10       1      7     39       3620.           3620.           59.22
59.22           1.000
     11       1      7     40       3620.           3620.           53.84
53.84           1.000
     12       1      7     41       3620.           3620.           48.94
48.94           1.000
     13       1      7     42       3620.           3620.           44.49
44.49           1.000
     14       1      7     43       3620.           3620.           40.45
40.45           1.000
     15       1      7     44       3620.           3620.           36.77
36.77           1.000
     16       1      7     45       3620.           3620.           33.43
33.43           1.000
     17       1      7     46       3620.           3620.           30.39
30.39           1.000
     18       1      7     47       3620.           3620.           27.63
27.63           1.000
     19       1      7     48       3620.           3620.           25.11
25.11           1.000
     20       1      7     49       3620.           3620.           27.63
27.63           1.000
     21       1      7     50       3620.           3620.           18.40
18.40           1.000
     22       1      8     50       3620.           3620.           11.99
11.99           1.000
     23       1      8     51       3620.           3620.           33.43
33.43           1.000
     24       1      8     52       3620.           3620.           36.77
36.77           1.000
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     25      1      8     53       3620.           3620.           40.45
40.45           1.000
     26      1      8     54       3620.           3620.           44.49
44.49           1.000
     27      1      8     55       3620.           3620.           48.94
48.94           1.000
     28      1      8     56       3620.           3620.           53.84
53.84           1.000
     29      1      8     57       3620.           3620.           59.22
59.22           1.000
     30      1      8     58       3620.           3620.           65.14
65.14           1.000
     31      1      8     59       3620.           3620.           71.66
71.66           1.000
     32      1      8     60       3620.           3620.           78.62
78.62           1.000
     33      1      8     61       3620.           3620.           78.62
78.62           1.000
     34      1      8     62       3620.           3620.           78.62
78.62           1.000
     35      1      8     63       3620.           3620.           78.62
78.62           1.000
     36      1      8     64       3620.           3620.           44.02
44.02           1.000
     37      1      9     64       3620.           3620.           34.60
34.60           1.000
     38      1      9     65       3620.           3620.           78.62
78.62           1.000
     39      1      9     66       3620.           3620.           78.62
78.62           1.000
     40      1      9     67       3620.           3620.           78.62
78.62           1.000
     41      1      9     68       3620.           3620.           78.62
78.62           1.000
     42      1      9     69       3620.           3620.           78.62
78.62           1.000
     43      1      9     70       3620.           3620.           78.62
78.62           1.000
     44      1      9     71       3620.           3620.           78.62
78.62           1.000
     45      1      9     72       3620.           3620.           82.14
82.14           1.000
     46      1      9     73       3620.           3620.           10.94
10.94           1.000
     47      1     10     73       3620.           3620.           103.4
103.4           1.000
     48      1     11     73       3620.           3620.           6.595
6.595           1.000
     49      1     11     74       3620.           3620.           96.77
96.77           1.000
     50      1     12     74       3620.           3620.           24.13
24.13           1.000
     51      1     12     75       3620.           3620.           79.24
79.24           1.000
     52      1     13     75       3620.           3620.           41.67
41.67           1.000
     53      1     13     76       3620.           3620.           61.70
61.70           1.000
     54      1     14     76       3620.           3620.           59.20
59.20           1.000
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44.17           1.000
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76.74           1.000
     57      1     15     78       3620.           3620.           26.63
26.63           1.000
     58      1     16     78       3620.           3620.           94.27
94.27           1.000
     59      1     16     79       3620.           3620.           9.095
9.095           1.000
     60      1     17     79       3620.           3620.           103.4
103.4           1.000
     61      1     18     79       3620.           3620.           8.440
8.440           1.000
     62      1     18     80       3620.           3620.           94.93
94.93           1.000
     63      1     19     80       3620.           3620.           25.98
25.98           1.000
     64      1     19     81       3620.           3620.           77.39
77.39           1.000
     65      1     20     81       3620.           3620.           43.51
43.51           1.000
     66      1     20     82       3620.           3620.           59.86
59.86           1.000
     67      1     21     82       3620.           3620.           61.05
61.05           1.000
     68      1     21     83       3620.           3620.           42.32
42.32           1.000
     69      1     22     83       3620.           3620.           78.58
78.58           1.000
     70      1     22     84       3620.           3620.           24.79
24.79           1.000
     71      1     23     84       3620.           3620.           96.12
96.12           1.000
     72      1     23     85       3620.           3620.           7.250
7.250           1.000
     73      1     24     85       3620.           3620.           103.4
103.4           1.000
     74      1     25     85       3620.           3620.           10.29
10.29           1.000
     75      1     25     86       3620.           3620.           93.08
93.08           1.000
     76      1     26     86       3620.           3620.           27.82
27.82           1.000
     77      1     26     87       3620.           3620.           75.55
75.55           1.000
     78      1     27     87       3620.           3620.           45.36
45.36           1.000
     79      1     27     88       3620.           3620.           58.01
58.01           1.000
     80      1     28     88       3620.           3620.           62.89
62.89           1.000
     81      1     28     89       3620.           3620.           40.48
40.48           1.000
     82      1     29     89       3620.           3620.           80.43
80.43           1.000
     83      1     29     90       3620.           3620.           22.94
22.94           1.000
     84      1     30     90       3620.           3620.           97.96
97.96           1.000
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5.405           1.000
     86      1     31     91       3620.           3620.           103.4
103.4           1.000
     87      1     32     91       3620.           3620.           12.13
12.13           1.000
     88      1     32     92       3620.           3620.           91.24
91.24           1.000
     89      1     33     92       897.8           897.8           20.81
20.81           1.000
     90      1     33     92       2722.           2722.           63.10
63.10           2.000
     91      1     34     92       3620.           3620.           13.61
13.61           2.000
     92      1     34     93       3620.           3620.           65.40
65.40           2.000
     93      1     35     93       3620.           3620.           79.01
79.01           2.000
     94      1     36     93       3620.           3620.           79.01
79.01           2.000
     95      1     37     93       3620.           3620.           79.01
79.01           2.000
     96      1     38     93       3620.           3620.           79.01
79.01           2.000
     97      1     39     93       1242.           1242.           27.11
27.11           2.000
     98      1    103      9       3324.           3324.           73.56
73.56           3.000
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40.88           3.000
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38.54           3.000
    101      1    101      8       3620.           3620.           79.42
79.42           3.000
    102      1    100      8       3620.           3620.           79.42
79.42           3.000
    103      1     99      8       3620.           3620.           79.42
79.42           3.000
    104      1     98      8       3620.           3620.           79.42
79.42           3.000
    105      1     97      8       3620.           3620.           79.42
79.42           3.000
    106      1     96      8       3620.           3620.           79.42
79.42           3.000
    107      1     95      8       3620.           3620.           19.78
19.78           3.000
    108      1     95      7       3620.           3620.           59.65
59.65           3.000
    109      1     94      7       3620.           3620.           79.42
79.42           3.000
    110      1     93      7       3620.           3620.           79.42
79.42           3.000
    111      1     92      7       3620.           3620.           79.42
79.42           3.000
    112      1     91      7       3620.           3620.           79.42
79.42           3.000
    113      1     90      7       3620.           3620.           79.42
79.42           3.000
    114      1     89      7       3620.           3620.           78.09
78.09           3.000
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1.329            3.000
    116      1     88      6       3620.           3620.           79.42
79.42            3.000
    117      1     87      6       3620.           3620.           79.42
79.42            3.000
    118      1     86      6       3620.           3620.           79.42
79.42            3.000
    119      1     85      6       3620.           3620.           79.42
79.42            3.000
    120      1     84      6       3620.           3620.           79.34
79.34            3.000
    121      1     83      6       3620.           3620.           72.13
72.13            3.000
    122      1     82      6       3620.           3620.           64.36
64.36            3.000
    123      1     82      5       3620.           3620.           1.216
1.216            3.000
    124      1     81      5       3620.           3620.           59.61
59.61            3.000
    125      1     80      5       3620.           3620.           54.19
54.19            3.000
    126      1     79      5       3620.           3620.           49.27
49.27            3.000
    127      1     78      5       3620.           3620.           44.79
44.79            3.000
    128      1     77      5       3620.           3620.           40.72
40.72            3.000
    129      1     76      5       3620.           3620.           37.01
37.01            3.000
    130      1     75      5       3620.           3620.           33.65
33.65            3.000
    131      1     74      5       3620.           3620.           30.59
30.59            3.000
    132      1     73      5       3620.           3620.           27.81
27.81            3.000
    133      1     72      5       3620.           3620.           25.28
25.28            3.000
    134      1     71      5       3620.           3620.           27.81
27.81            3.000
    135      1     70      5       3620.           3620.           30.59
30.59            3.000
    136      1     69      5       3620.           3620.           33.65
33.65            3.000
    137      1     68      5       3620.           3620.           37.01
37.01            3.000
    138      1     67      5       3620.           3620.           1.650
1.650            3.000
    139      1     67      4       3620.           3620.           38.29
38.29            3.000
    140      1     66      5       3620.           3620.           44.40
44.40            3.000
    141      1     65      5       3620.           3620.           48.84
48.84            3.000
    142      1     64      5       3620.           3620.           53.73
53.73            3.000
    143      1     63      5       3620.           3620.           59.10
59.10            3.000
    144      1     62      5       3620.           3620.           65.01
65.01            3.000
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71.51            3.000
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78.66            3.000
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78.99            3.000
    148      1     58      5       3620.           3620.           78.99
78.99            3.000
    149      1     57      5       3620.           3620.           78.99
78.99            3.000
    150      1     56      5       3620.           3620.           78.99
78.99            3.000
    151      1     55      5       3620.           3620.           78.99
78.99            3.000
    152      1     54      5       3620.           3620.           78.99
78.99            3.000
    153      1     53      5       3620.           3620.           78.99
78.99            3.000
    154      1     52      5       3620.           3620.           78.99
78.99            3.000
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65.75            3.000
    156      1     51      6       3620.           3620.           13.23
13.23            3.000
    157      1     50      6       3620.           3620.           78.99
78.99            3.000
    158      1     49      6       3620.           3620.           78.99
78.99            3.000
    159      1     48      6       3620.           3620.           78.99
78.99            3.000
    160      1     47      6       3620.           3620.           78.99
78.99            3.000
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78.99            3.000
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78.99            3.000
    163      1     44      6       3620.           3620.           78.99
78.99            3.000
    164      1     43      6       3620.           3620.           78.99
78.99            3.000
    165      1     42      6       3620.           3620.           78.99
78.99            3.000
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78.99            3.000
    167      1     40      6       3620.           3620.           78.99
78.99            3.000
    168      1     39      6       3620.           3620.           78.99
78.99            3.000
    169      1     38      6       3620.           3620.           78.99
78.99            3.000
    170      1     37      6       3620.           3620.           78.99
78.99            3.000
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0.3787            3.000
    172      1     36      7       3620.           3620.           78.61
78.61            3.000
    173      1     35      7       3620.           3620.           78.99
78.99            3.000
    174      1     34      7       3620.           3620.           78.99
78.99            3.000
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88.33            3.000
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37.97            3.000
    178      1     31      8       3620.           3620.           88.82
88.82            3.000
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45.47            3.000
    180      1     30      9       3620.           3620.           43.35
43.35            3.000
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88.82            3.000
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40.09            3.000
    183      1     28     10       3620.           3620.           48.74
48.74            3.000
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88.82            3.000
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34.70            3.000
    186      1     26     11       3620.           3620.           54.12
54.12            3.000
    187      1     25     11       3620.           3620.           88.82
88.82            3.000
    188      1     24     11       3620.           3620.           29.32
29.32            3.000
    189      1     24     12       3620.           3620.           59.50
59.50            3.000
    190      1     23     12       3620.           3620.           88.82
88.82            3.000
    191      1     22     12       3620.           3620.           23.94
23.94            3.000
    192      1     22     13       3620.           3620.           64.89
64.89            3.000
    193      1     21     13       3620.           3620.           88.82
88.82            3.000
    194      1     20     13       3620.           3620.           18.55
18.55            3.000
    195      1     20     14       3620.           3620.           70.27
70.27            3.000
    196      1     19     14       3620.           3620.           88.82
88.82            3.000
    197      1     18     14       3620.           3620.           13.17
13.17            3.000
    198      1     18     15       3620.           3620.           75.65
75.65            3.000
    199      1     17     15       3620.           3620.           88.82
88.82            3.000
    200      1     16     15       3620.           3620.           7.787
7.787            3.000
    201      1     16     16       3620.           3620.           81.04
81.04            3.000
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86.88            3.000
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83.58            3.000
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91.12            3.000
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57.14            3.000
    209      1     12     20       3620.           3620.           33.98
33.98            3.000
    210      1     12     21       3620.           3620.           91.12
91.12            3.000
    211      1     12     22       3620.           3620.           36.38
36.38            3.000
    212      1     11     22       3620.           3620.           54.74
54.74            3.000
    213      1     11     23       3620.           3620.           91.12
91.12            3.000
    214      1     11     24       3620.           3620.           15.62
15.62            3.000
    215      1     10     24       3620.           3620.           75.49
75.49            3.000
    216      1     10     25       3620.           3620.           85.98
85.98            3.000
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5.133            3.000
    218      1      9     26       3620.           3620.           91.12
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88.82           19.00
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13.17           19.00
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75.65           19.00
   1508      4     17     15       3620.           3620.           88.82
88.82           19.00
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7.787           19.00
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81.04           19.00
   1511      4     15     16       3620.           3620.           86.88
86.88           19.00
   1512      4     15     17       3620.           3620.           7.533
7.533           19.00
   1513      4     14     17       3620.           3620.           83.58
83.58           19.00
   1514      4     14     18       3620.           3620.           77.89
77.89           19.00
   1515      4     13     18       3620.           3620.           13.22
13.22           19.00
   1516      4     13     19       3620.           3620.           91.12
91.12           19.00
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33.98           19.00
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54.74           19.00
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91.12           19.00
   1523      4     11     24       3620.           3620.           15.62
15.62           19.00
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75.49           19.00
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   1527      4       9      26       3620.           3620.           91.12
91.12            19.00
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65.23            19.00
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25.89            19.00
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91.12            19.00
   1531      4       8      29       3620.           3620.           44.47
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46.65            19.00
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91.12            19.00
   1534      4       7      31       3620.           3620.           23.71
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79.01            20.00
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79.01            20.00
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79.01            20.00
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33.88            20.00
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45.13            20.00
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79.01            20.00
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79.01           20.00
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79.01           20.00
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78.65           20.00
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65.00           20.00
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53.72           20.00
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48.84           20.00
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44.40           20.00
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40.36           20.00
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36.69           20.00
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33.36           20.00
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30.32           20.00
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27.57           20.00
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25.06           20.00
   1571      4     73     94       3620.           3620.           27.57
27.57           20.00
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   1573      4     75     94       3620.           3620.           33.36
33.36           20.00
   1574      4     76     94       3620.           3620.           36.69
36.69           20.00
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40.36           20.00
   1576      4     78     94       3620.           3620.           44.40
44.40           20.00
   1577      4     79     94       3620.           3620.           48.84
48.84           20.00
   1578      4     80     94       3620.           3620.           53.72
53.72           20.00
   1579      4     81     94       3620.           3620.           59.09
59.09           20.00
   1580      4     82     94       3620.           3620.           65.00
65.00           20.00
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39.58           20.00
   1582      4     83     93       3620.           3620.           31.92
31.92           20.00
   1583      4     84     93       3620.           3620.           78.65
78.65           20.00
   1584      4     85     93       3620.           3620.           78.73
78.73           20.00
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78.73            20.00
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78.73            20.00
   1588      4      89      93        3620.            3620.            78.73
78.73            20.00
   1589      4      90      93        3620.            3620.            78.73
78.73            20.00
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78.73            20.00
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78.73            20.00
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78.73            20.00
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78.73            20.00
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78.73            20.00
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78.73            20.00
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74.55            20.00
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4.173            20.00
   1598      4      98      92        3620.            3620.            78.73
78.73            20.00
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78.73            20.00
   1600      4     100      92        3620.            3620.            78.73
78.73            20.00
   1601      4     101      92        3620.            3620.            78.73
78.73            20.00
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82.10            20.00
   1603      4     103      92        3620.            3620.            82.86
82.86            20.00
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5.942            20.00
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88.80            20.00
   1606      4     105      91        3620.            3620.            72.94
72.94            20.00
   1607      4     105      90        3620.            3620.            15.86
15.86            20.00
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88.80            20.00
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25.79            20.00
   1611      4     108      89        3620.            3620.            88.80
88.80            20.00
   1612      4     109      89        3620.            3620.            53.10
53.10            20.00
   1613      4     109      88        3620.            3620.            35.71
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88.80            20.00
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88.80            20.00
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33.25            20.00
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55.55            20.00
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88.80            20.00
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23.33            20.00
   1622      4    115     85       3620.           3620.           65.47
65.47            20.00
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88.80            20.00
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88.80            20.00
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72.45            20.00
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88.80            20.00
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62.53            20.00
   1636      4    124     80       3620.           3620.           26.28
26.28            20.00
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97.33            20.00
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75.99            20.00
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4.733            20.00
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80.72            20.00
   1641      4    126     77       3620.           3620.           80.72
80.72            20.00
   1642      4    126     76       3620.           3620.           80.72
80.72            20.00
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7.044            20.00
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80.72           20.00
   1647      4    127     72       3620.           3620.           80.72
80.72           20.00
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71.37           20.00
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9.355           20.00
   1650      4    128     70       3620.           3620.           80.72
80.72           20.00
   1651      4    128     69       3620.           3620.           80.72
80.72           20.00
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80.72           20.00
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69.06           20.00
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11.67           20.00
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80.72           20.00
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80.72           20.00
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80.72           20.00
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66.74           20.00
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13.98           20.00
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80.72           20.00
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80.72           20.00
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80.72           20.00
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60.80           20.00
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45.68           20.00
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32.55           20.00
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31.40           20.00
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15.16            20.00
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25.95            20.00
   1678      4    131     47       3620.           3620.           28.55
28.55            20.00
   1679      4    131     46       3620.           3620.           31.40
31.40            20.00
   1680      4    131     45       3620.           3620.           34.54
34.54            20.00
   1681      4    131     44       3620.           3620.           38.00
38.00            20.00
   1682      4    131     43       3620.           3620.           41.80
41.80            20.00
   1683      4    131     42       3620.           3620.           45.98
45.98            20.00
   1684      4    131     41       3620.           3620.           31.29
31.29            20.00
   1685      4    130     41       3620.           3620.           19.29
19.29            20.00
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55.63            20.00
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61.19            20.00
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82.56            20.00
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82.56            20.00
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82.56            20.00
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82.56            20.00
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   1713      4    124     19       3620.           3620.           49.74
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88.86            20.00
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31.39            20.00
   1716      4    122     18       3620.           3620.           57.47
57.47            20.00
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88.86            20.00
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23.66            20.00
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65.21            20.00
   1720      4    119     17       3620.           3620.           88.86
88.86            20.00
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15.93            20.00
   1722      4    118     16       3620.           3620.           72.94
72.94            20.00
   1723      4    117     16       3620.           3620.           88.86
88.86            20.00
   1724      4    116     16       3620.           3620.           8.193
8.193            20.00
   1725      4    116     15       3620.           3620.           80.67
80.67            20.00
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88.86            20.00
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0.4612            20.00
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88.86            20.00
   1732      4    111     13       3620.           3620.           73.86
73.86            20.00
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15.00            20.00
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88.86            20.00
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66.13           20.00
   1736      4    109     11       3620.           3620.           22.74
22.74           20.00
   1737      4    108     11       2408.           2408.           59.10
59.10           20.00
   1738      4    108     11       1212.           1212.           29.76
29.76           21.00
   1739      4    107     11       3620.           3620.           58.40
58.40           21.00
   1740      4    107     10       3620.           3620.           30.47
30.47           21.00
   1741      4    106     10       3620.           3620.           88.86
88.86           21.00
   1742      4    105     10       3620.           3620.           50.67
50.67           21.00
   1743      4    105      9       3620.           3620.           38.20
38.20           21.00
   1744      4    104      9       3620.           3620.           88.86
88.86           21.00
   1745      4    103      9       296.3           296.3           6.558
6.558           21.00


   1745 TIME-VARIANT SPECIFIED-HEAD CELLS

 SOLVING FOR HEAD

 CELL CONVERSIONS FOR ITER.=  1  LAYER=  1  STEP=  1  PERIOD=   1
(ROW,COL)
    DRY( 26, 38)   DRY( 26, 39)   DRY( 28, 38)   DRY( 28, 40)   DRY( 29,
38)
    DRY( 33, 33)   DRY( 33, 34)   DRY( 34, 32)   DRY( 34, 33)   DRY( 34,
34)
    DRY( 34, 35)   DRY( 35, 32)   DRY( 35, 33)   DRY( 35, 34)   DRY( 35,
35)
    DRY( 35, 36)   DRY( 36, 32)   DRY( 36, 33)   DRY( 36, 34)   DRY( 36,
35)
    DRY( 36, 36)   DRY( 36, 37)   DRY( 36, 38)   DRY( 36, 39)   DRY( 36,
40)
    DRY( 36, 41)   DRY( 37, 32)   DRY( 37, 33)   DRY( 37, 34)   DRY( 37,
35)
    DRY( 37, 36)   DRY( 37, 37)   DRY( 37, 38)   DRY( 37, 39)   DRY( 37,
40)
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32)
    DRY( 70, 33)   DRY( 70, 34)   DRY( 70, 35)   DRY( 70, 36)   DRY( 70,
37)
    DRY( 70, 38)   DRY( 70, 39)   DRY( 70, 40)   DRY( 70, 41)   DRY( 70,
42)
    DRY( 70, 43)   DRY( 70, 44)   DRY( 70, 45)   DRY( 70, 46)   DRY( 70,
54)
    DRY( 71, 26)   DRY( 71, 27)   DRY( 71, 28)   DRY( 71, 29)   DRY( 71,
30)
```

```
    DRY( 71, 31)   DRY( 71, 32)   DRY( 71, 33)   DRY( 71, 34)   DRY( 71,
35)
    DRY( 71, 36)   DRY( 71, 37)   DRY( 71, 38)   DRY( 71, 39)   DRY( 71,
40)
    DRY( 71, 41)   DRY( 71, 42)   DRY( 71, 43)   DRY( 71, 44)   DRY( 71,
45)
    DRY( 71, 46)   DRY( 72, 27)   DRY( 72, 28)   DRY( 72, 29)   DRY( 72,
30)
    DRY( 72, 31)   DRY( 72, 32)   DRY( 72, 33)   DRY( 72, 34)   DRY( 72,
35)
    DRY( 72, 36)   DRY( 72, 37)   DRY( 72, 38)   DRY( 72, 39)   DRY( 72,
40)
    DRY( 72, 41)   DRY( 72, 42)   DRY( 72, 43)   DRY( 72, 44)   DRY( 72,
45)
    DRY( 72, 46)   DRY( 73, 27)   DRY( 73, 28)   DRY( 73, 29)   DRY( 73,
30)
    DRY( 73, 31)   DRY( 73, 32)   DRY( 73, 33)   DRY( 73, 35)   DRY( 73,
36)
    DRY( 73, 37)   DRY( 73, 38)   DRY( 73, 39)   DRY( 73, 40)   DRY( 73,
41)
    DRY( 73, 42)   DRY( 73, 43)   DRY( 73, 44)   DRY( 73, 45)   DRY( 73,
46)
    DRY( 74, 27)   DRY( 74, 28)   DRY( 74, 29)   DRY( 74, 30)   DRY( 74,
31)
    DRY( 74, 32)   DRY( 74, 36)   DRY( 74, 37)   DRY( 74, 38)   DRY( 74,
39)
    DRY( 74, 40)   DRY( 74, 41)   DRY( 74, 42)   DRY( 74, 43)   DRY( 74,
44)
    DRY( 74, 45)   DRY( 74, 46)   DRY( 75, 27)   DRY( 75, 28)   DRY( 75,
36)
    DRY( 75, 37)   DRY( 75, 38)   DRY( 75, 39)   DRY( 75, 40)   DRY( 75,
41)
    DRY( 75, 42)   DRY( 75, 43)   DRY( 75, 44)   DRY( 75, 45)   DRY( 75,
46)
    DRY( 76, 37)   DRY( 76, 38)   DRY( 76, 39)   DRY( 76, 40)   DRY( 76,
41)
    DRY( 76, 42)   DRY( 76, 43)   DRY( 76, 44)   DRY( 76, 45)   DRY( 76,
46)
    DRY( 77, 39)   DRY( 77, 40)   DRY( 77, 41)   DRY( 77, 42)   DRY( 77,
43)
    DRY( 77, 44)   DRY( 77, 45)   DRY( 77, 46)   DRY( 78, 42)   DRY( 78,
43)
    DRY( 78, 44)   DRY( 82, 37)   DRY( 83, 37)   DRY( 83, 38)   DRY( 83,
39)
    DRY( 84, 36)   DRY( 84, 37)   DRY( 84, 38)   DRY( 84, 39)   DRY( 84,
40)
    DRY( 85, 37)   DRY( 85, 38)   DRY( 85, 39)   DRY( 85, 40)   DRY( 85,
41)
    DRY( 85, 42)   DRY( 86, 37)   DRY( 86, 38)   DRY( 86, 39)   DRY( 86,
40)
    DRY( 86, 41)   DRY( 86, 42)   DRY( 86, 43)   DRY( 87, 39)   DRY( 87,
40)
    DRY( 87, 41)   DRY( 87, 42)   DRY( 87, 43)   DRY(122, 38)   DRY(122,
39)
    DRY(123, 38)   DRY(123, 39)   DRY(123, 40)   DRY(123, 41)   DRY(123,
42)
    DRY(124, 39)   DRY(124, 40)   DRY(124, 41)   DRY(124, 42)   DRY(124,
43)

 CELL CONVERSIONS FOR ITER.=  1  LAYER=  2  STEP=  1  PERIOD=   1
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```
(ROW,COL)
    DRY( 48, 30)   DRY( 48, 31)   DRY( 48, 32)   DRY( 48, 33)   DRY( 48,
41)
    DRY( 48, 42)   DRY( 49, 30)   DRY( 49, 31)   DRY( 49, 32)   DRY( 49,
33)
    DRY( 49, 34)   DRY( 49, 42)   DRY( 49, 43)   DRY( 50, 30)   DRY( 50,
31)
    DRY( 50, 32)   DRY( 50, 33)   DRY( 50, 34)   DRY( 50, 42)   DRY( 50,
43)
    DRY( 50, 44)   DRY( 51, 30)   DRY( 51, 31)   DRY( 51, 32)   DRY( 51,
33)
    DRY( 51, 34)   DRY( 51, 35)   DRY( 51, 43)   DRY( 51, 44)   DRY( 51,
45)
    DRY( 51, 46)   DRY( 51, 47)   DRY( 51, 48)   DRY( 52, 30)   DRY( 52,
31)
    DRY( 52, 32)   DRY( 52, 33)   DRY( 52, 34)   DRY( 52, 35)   DRY( 52,
36)
    DRY( 52, 45)   DRY( 52, 46)   DRY( 52, 47)   DRY( 52, 48)   DRY( 53,
29)
    DRY( 53, 30)   DRY( 53, 31)   DRY( 53, 32)   DRY( 53, 33)   DRY( 53,
34)
    DRY( 53, 35)   DRY( 53, 36)   DRY( 53, 37)   DRY( 53, 38)   DRY( 53,
46)
    DRY( 53, 47)   DRY( 53, 48)   DRY( 53, 49)   DRY( 53, 50)   DRY( 54,
29)
    DRY( 54, 30)   DRY( 54, 31)   DRY( 54, 32)   DRY( 54, 35)   DRY( 54,
36)
    DRY( 54, 37)   DRY( 54, 38)   DRY( 54, 39)   DRY( 54, 40)   DRY( 54,
41)
    DRY( 54, 42)   DRY( 54, 43)   DRY( 54, 44)   DRY( 54, 45)   DRY( 54,
46)
    DRY( 54, 47)   DRY( 54, 48)   DRY( 54, 49)   DRY( 55, 29)   DRY( 55,
30)
    DRY( 55, 31)   DRY( 55, 32)   DRY( 55, 36)   DRY( 55, 37)   DRY( 55,
38)
    DRY( 55, 39)   DRY( 55, 40)   DRY( 55, 41)   DRY( 55, 42)   DRY( 55,
43)
    DRY( 55, 44)   DRY( 55, 45)   DRY( 56, 28)   DRY( 56, 29)   DRY( 56,
30)
    DRY( 56, 31)   DRY( 56, 32)   DRY( 56, 37)   DRY( 56, 38)   DRY( 56,
39)
    DRY( 56, 40)   DRY( 56, 41)   DRY( 56, 42)   DRY( 56, 43)   DRY( 56,
44)
    DRY( 57, 28)   DRY( 57, 29)   DRY( 57, 30)   DRY( 57, 31)   DRY( 57,
32)
    DRY( 57, 39)   DRY( 57, 40)   DRY( 57, 41)   DRY( 57, 42)   DRY( 57,
43)
    DRY( 57, 44)   DRY( 58, 28)   DRY( 58, 29)   DRY( 58, 30)   DRY( 58,
31)
    DRY( 58, 32)   DRY( 58, 41)   DRY( 58, 42)   DRY( 58, 43)   DRY( 58,
44)
    DRY( 58, 45)   DRY( 59, 28)   DRY( 59, 29)   DRY( 59, 30)   DRY( 59,
31)
    DRY( 59, 32)   DRY( 59, 43)   DRY( 59, 44)   DRY( 59, 45)   DRY( 59,
46)
    DRY( 59, 47)   DRY( 59, 48)   DRY( 59, 49)   DRY( 59, 57)   DRY( 59,
58)
    DRY( 59, 59)   DRY( 59, 60)   DRY( 60, 29)   DRY( 60, 30)   DRY( 60,
31)
    DRY( 60, 32)   DRY( 60, 37)   DRY( 60, 38)   DRY( 60, 39)   DRY( 60,
```

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40)
    DRY( 60, 44)   DRY( 60, 45)   DRY( 60, 46)   DRY( 60, 47)   DRY( 60,
48)
    DRY( 60, 49)   DRY( 60, 50)   DRY( 60, 51)   DRY( 60, 57)   DRY( 60,
58)
    DRY( 60, 59)   DRY( 60, 60)   DRY( 60, 61)   DRY( 61, 29)   DRY( 61,
30)
    DRY( 61, 31)   DRY( 61, 32)   DRY( 61, 37)   DRY( 61, 38)   DRY( 61,
39)
    DRY( 61, 40)   DRY( 61, 41)   DRY( 61, 42)   DRY( 61, 46)   DRY( 61,
47)
    DRY( 61, 48)   DRY( 61, 49)   DRY( 61, 50)   DRY( 61, 51)   DRY( 61,
59)
    DRY( 61, 60)   DRY( 61, 61)   DRY( 62, 29)   DRY( 62, 30)   DRY( 62,
31)
    DRY( 62, 32)   DRY( 62, 37)   DRY( 62, 38)   DRY( 62, 39)   DRY( 62,
50)
    DRY( 62, 61)   DRY( 63, 29)   DRY( 63, 30)   DRY( 63, 31)   DRY( 63,
32)
    DRY( 63, 33)   DRY( 63, 37)   DRY( 63, 38)   DRY( 63, 52)   DRY( 64,
31)
    DRY( 64, 32)   DRY( 64, 33)   DRY( 64, 42)   DRY( 64, 43)   DRY( 65,
26)
    DRY( 65, 27)   DRY( 65, 28)   DRY( 65, 32)   DRY( 65, 33)   DRY( 65,
34)
    DRY( 65, 42)   DRY( 65, 43)   DRY( 65, 44)   DRY( 65, 45)   DRY( 65,
46)
    DRY( 65, 47)   DRY( 65, 48)   DRY( 65, 49)   DRY( 66, 26)   DRY( 66,
27)
    DRY( 66, 28)   DRY( 66, 32)   DRY( 66, 33)   DRY( 66, 34)   DRY( 66,
35)
    DRY( 66, 43)   DRY( 66, 44)   DRY( 66, 45)   DRY( 66, 46)   DRY( 66,
47)
    DRY( 66, 48)   DRY( 66, 49)   DRY( 66, 50)   DRY( 66, 51)   DRY( 66,
52)
    DRY( 66, 53)   DRY( 67, 26)   DRY( 67, 27)   DRY( 67, 28)   DRY( 67,
29)
    DRY( 67, 32)   DRY( 67, 33)   DRY( 67, 34)   DRY( 67, 35)   DRY( 67,
36)
    DRY( 67, 40)   DRY( 67, 48)   DRY( 67, 49)   DRY( 67, 50)   DRY( 67,
51)
    DRY( 67, 52)   DRY( 67, 53)   DRY( 68, 27)   DRY( 68, 28)   DRY( 68,
29)
    DRY( 68, 34)   DRY( 68, 35)   DRY( 68, 36)   DRY( 68, 37)   DRY( 68,
40)
    DRY( 68, 41)   DRY( 69, 27)   DRY( 69, 28)   DRY( 69, 29)   DRY( 69,
34)
    DRY( 69, 35)   DRY( 69, 36)   DRY( 69, 37)   DRY( 69, 38)   DRY( 69,
40)
    DRY( 69, 41)   DRY( 70, 27)   DRY( 70, 28)   DRY( 70, 29)   DRY( 70,
34)
    DRY( 70, 35)   DRY( 70, 36)   DRY( 70, 37)   DRY( 70, 38)   DRY( 70,
41)
    DRY( 70, 42)   DRY( 71, 28)   DRY( 71, 29)   DRY( 71, 35)   DRY( 71,
36)
    DRY( 71, 37)   DRY( 71, 38)   DRY( 71, 39)   DRY( 71, 41)   DRY( 71,
42)
    DRY( 72, 35)   DRY( 72, 36)   DRY( 72, 37)   DRY( 72, 38)   DRY( 72,
39)
    DRY( 72, 42)   DRY( 73, 36)   DRY( 73, 37)   DRY( 73, 38)   DRY( 73,
```

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39)
    DRY( 74, 36)   DRY( 74, 37)   DRY( 74, 39)   DRY( 75, 39)   DRY( 81,
33)
    DRY( 81, 34)   DRY( 81, 35)   DRY( 82, 33)   DRY( 82, 34)   DRY( 82,
35)
    DRY( 83, 33)   DRY( 83, 34)   DRY( 83, 35)   DRY( 83, 36)   DRY( 84,
34)
    DRY( 84, 35)   DRY( 84, 36)   DRY( 85, 35)   DRY( 85, 36)

 CELL CONVERSIONS FOR ITER.=  1  LAYER=  4  STEP=  1  PERIOD=   1
(ROW,COL)
    DRY( 62, 27)   DRY( 62, 28)   DRY( 62, 29)   DRY( 62, 30)   DRY( 63,
26)
    DRY( 63, 27)   DRY( 63, 28)   DRY( 63, 29)   DRY( 63, 30)   DRY( 63,
31)
    DRY( 64, 26)   DRY( 64, 27)   DRY( 64, 28)   DRY( 64, 29)   DRY( 64,
30)
    DRY( 64, 31)   DRY( 64, 32)   DRY( 65, 26)   DRY( 65, 27)   DRY( 65,
28)
    DRY( 65, 29)   DRY( 65, 30)   DRY( 65, 31)   DRY( 65, 32)   DRY( 65,
33)
    DRY( 66, 26)   DRY( 66, 27)   DRY( 66, 28)   DRY( 66, 29)   DRY( 66,
30)
    DRY( 66, 31)   DRY( 66, 32)   DRY( 66, 33)   DRY( 67, 26)   DRY( 67,
27)
    DRY( 67, 28)   DRY( 67, 29)   DRY( 67, 30)   DRY( 67, 31)   DRY( 67,
32)
    DRY( 67, 33)   DRY( 68, 26)   DRY( 68, 27)   DRY( 68, 28)   DRY( 68,
29)
    DRY( 68, 30)   DRY( 68, 31)   DRY( 68, 32)   DRY( 68, 33)   DRY( 68,
34)
    DRY( 69, 27)   DRY( 69, 28)   DRY( 69, 29)   DRY( 69, 30)   DRY( 69,
31)
    DRY( 69, 32)   DRY( 69, 33)   DRY( 69, 34)   DRY( 70, 27)   DRY( 70,
28)
    DRY( 70, 29)   DRY( 70, 30)   DRY( 70, 31)   DRY( 70, 32)   DRY( 70,
33)
    DRY( 70, 34)   DRY( 71, 27)   DRY( 71, 28)   DRY( 71, 29)   DRY( 71,
30)
    DRY( 71, 31)   DRY( 71, 32)   DRY( 71, 33)   DRY( 71, 34)   DRY( 72,
27)
    DRY( 72, 28)   DRY( 72, 29)   DRY( 72, 30)   DRY( 72, 31)   DRY( 72,
32)
    DRY( 72, 33)   DRY( 72, 34)   DRY( 73, 27)   DRY( 73, 28)   DRY( 73,
29)
    DRY( 73, 30)   DRY( 73, 31)   DRY( 73, 32)   DRY( 73, 33)   DRY( 73,
34)
    DRY( 74, 28)   DRY( 74, 29)   DRY( 74, 30)   DRY( 74, 31)   DRY( 74,
32)
    DRY( 74, 33)   DRY( 75, 28)   DRY( 75, 29)   DRY( 75, 30)   DRY( 75,
31)
    DRY( 75, 32)   DRY( 75, 33)   DRY( 76, 29)   DRY( 76, 30)   DRY( 76,
31)
    DRY( 76, 32)   DRY( 76, 33)   DRY( 77, 29)   DRY( 77, 30)   DRY( 77,
31)
    DRY( 77, 32)   DRY( 78, 31)   DRY( 87, 33)   DRY( 87, 39)   DRY( 87,
40)
    DRY( 87, 41)   DRY( 88, 37)   DRY( 88, 38)   DRY( 88, 39)   DRY( 88,
40)
    DRY( 88, 41)   DRY( 88, 42)   DRY( 89, 36)   DRY( 89, 37)   DRY( 89,
```

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38)
    DRY( 89, 39)   DRY( 89, 40)   DRY( 89, 41)   DRY( 89, 42)   DRY( 89,
43)
    DRY( 89, 44)   DRY( 90, 37)   DRY( 90, 38)   DRY( 90, 39)   DRY( 90,
40)
    DRY( 90, 41)   DRY( 90, 42)   DRY( 90, 43)   DRY( 90, 44)   DRY( 91,
37)
    DRY( 91, 38)   DRY( 91, 39)   DRY( 91, 40)   DRY( 91, 41)   DRY( 91,
42)
    DRY( 91, 43)   DRY( 91, 44)   DRY( 91, 45)   DRY( 92, 38)   DRY( 92,
39)
    DRY( 92, 40)   DRY( 92, 41)   DRY( 92, 42)   DRY( 92, 43)   DRY( 92,
44)
    DRY( 92, 45)   DRY( 93, 39)   DRY( 93, 40)   DRY( 93, 41)   DRY( 93,
42)
    DRY( 93, 43)   DRY( 93, 44)   DRY( 93, 45)   DRY( 93, 46)   DRY( 94,
39)
    DRY( 94, 40)   DRY( 94, 41)   DRY( 94, 42)   DRY( 94, 43)   DRY( 94,
44)
    DRY( 94, 45)   DRY( 94, 46)   DRY( 95, 40)   DRY( 95, 41)   DRY( 95,
42)
    DRY( 95, 43)   DRY( 95, 44)   DRY( 95, 45)   DRY( 96, 40)   DRY( 96,
41)
    DRY( 96, 42)   DRY( 96, 43)   DRY( 96, 44)   DRY( 96, 45)   DRY( 97,
41)
    DRY( 97, 42)   DRY( 97, 43)   DRY( 97, 44)   DRY( 98, 41)   DRY( 98,
42)
    DRY( 98, 43)   DRY( 98, 44)   DRY( 98, 45)   DRY( 99, 41)   DRY( 99,
42)
    DRY( 99, 43)   DRY( 99, 44)   DRY( 99, 45)   DRY(100, 41)   DRY(100,
42)
    DRY(100, 43)   DRY(100, 44)   DRY(100, 45)   DRY(101, 42)   DRY(101,
43)
    DRY(101, 44)   DRY(101, 45)   DRY(102, 43)   DRY(102, 44)   DRY(102,
45)

 OUTPUT CONTROL FOR STRESS PERIOD    1   TIME STEP   1
    PRINT BUDGET
    SAVE HEAD FOR ALL LAYERS
    SAVE BUDGET
 UBDSV2 SAVING "   CONSTANT HEAD" ON UNIT 740 AT TIME STEP  1, STRESS
PERIOD   1
 UBDSV1 SAVING "FLOW RIGHT FACE " ON UNIT 740 AT TIME STEP  1, STRESS
PERIOD   1
 UBDSV1 SAVING "FLOW FRONT FACE " ON UNIT 740 AT TIME STEP  1, STRESS
PERIOD   1
 UBDSV1 SAVING "FLOW LOWER FACE " ON UNIT 740 AT TIME STEP  1, STRESS
PERIOD   1
 UBDSV4 SAVING "           WELLS" ON UNIT 740 AT TIME STEP  1, STRESS
PERIOD   1
 UBDSV4 SAVING " HEAD DEP BOUNDS" ON UNIT 740 AT TIME STEP  1, STRESS
PERIOD   1


 ***Link-MT3DMS Package***
 OPENING LINK-MT3DMS OUTPUT FILE: FINALWALL-LOWK-6-11.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  730 AT END OF TIME STEP   1, STRESS PERIOD
1
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 =           0.0000         CONSTANT HEAD =
0.0000
               WELLS =           0.0000                 WELLS =
0.0000
     HEAD DEP BOUNDS =        3459.2151       HEAD DEP BOUNDS =
3459.2151

            TOTAL IN =        3459.2151              TOTAL IN =
3459.2151

          OUT:                                     OUT:
          ----                                     ----
             STORAGE =           0.0000               STORAGE =
0.0000
       CONSTANT HEAD =         357.4988         CONSTANT HEAD =
357.4988
               WELLS =        3100.0000                 WELLS =
3100.0000
     HEAD DEP BOUNDS =           0.0000       HEAD DEP BOUNDS =
0.0000

           TOTAL OUT =        3457.4988             TOTAL OUT =
3457.4988

            IN - OUT =           1.7163              IN - OUT =
1.7163

 PERCENT DISCREPANCY =           0.05     PERCENT DISCREPANCY =
0.05


          TIME SUMMARY AT END OF TIME STEP   1 IN STRESS PERIOD    1
                    SECONDS     MINUTES      HOURS       DAYS
```

```
YEARS

------------------------------------------------------------
   TIME STEP LENGTH  86400.      1440.0      24.000      1.0000
2.73785E-03
 STRESS PERIOD TIME  86400.      1440.0      24.000      1.0000
2.73785E-03
         TOTAL TIME  86400.      1440.0      24.000      1.0000
2.73785E-03
1

 DATA AT HEAD LOCATIONS

        OBSERVATION     OBSER-     SIMUL.
WEIGHTED
   OBS#    NAME         VATION     EQUIV.    RESIDUAL  WEIGHT**.5
RESIDUAL
                          *          *
      1 hed1           0.369E+04  0.370E+04  -8.60       1.96      -16.9
      2 hed2           0.370E+04  0.370E+04 -0.559       1.96      -1.10
      3 hed3           0.370E+04  0.369E+04   7.46       1.96       14.6
      4 hed4           0.370E+04  0.370E+04   2.66       1.96       5.22
      5 hed5           0.371E+04  0.370E+04   8.09       1.96       15.8
      6 hed6           0.370E+04  0.370E+04  -1.22       1.96      -2.39

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

 STATISTICS FOR HEAD RESIDUALS :
 MAXIMUM WEIGHTED RESIDUAL  :  15.8     OBS#      5
 MINIMUM WEIGHTED RESIDUAL  : -16.9     OBS#      1
 AVERAGE WEIGHTED RESIDUAL  :  2.56
 # RESIDUALS >= 0. :      3
 # RESIDUALS < 0.  :      3
 NUMBER OF RUNS  :    3  IN    6 OBSERVATIONS

 SUM OF SQUARED WEIGHTED RESIDUALS (HEADS ONLY)   783.16

 DATA FOR FLOWS REPRESENTED USING THE GENERAL-HEAD BOUNDARY PACKAGE

        OBSERVATION      MEAS.      CALC.
WEIGHTED
   OBS#    NAME          FLOW       FLOW     RESIDUAL  WEIGHT**.5
RESIDUAL

      7 no_ghbf0        1.00       0.00       1.00      0.100E-18
0.100E-18
      8 no_ghbf1        1.00       0.00       1.00      0.100E-18
0.100E-18
      9 no_ghbf2        1.00       0.00       1.00      0.100E-18
0.100E-18
     10 no_ghbf3        1.00       0.00       1.00      0.100E-18
0.100E-18
     11 no_ghbf4        1.00       0.00       1.00      0.100E-18
0.100E-18
     12 no_ghbf5        1.00      0.129E+04 -0.129E+04  0.100E-18 -
0.129E-15
```

```
     13 no_ghbf6        1.00       41.0      -40.0      0.100E-18 -
0.400E-17
     14 no_ghbf7        1.00      0.198E+04 -0.198E+04  0.100E-18 -
0.198E-15
     15 no_ghbf8        1.00       183.      -182.      0.100E-18 -
0.182E-16
     16 no_ghbf9        1.00       9.65      -8.65      0.100E-18 -
0.865E-18

 STATISTICS FOR GENERAL-HEAD BOUNDARY FLOW RESIDUALS :
 MAXIMUM WEIGHTED RESIDUAL  : 0.100E-18 OBS#      7
 MINIMUM WEIGHTED RESIDUAL  :-0.198E-15 OBS#     14
 AVERAGE WEIGHTED RESIDUAL  :-0.350E-16
 # RESIDUALS >= 0. :      5
 # RESIDUALS < 0.  :      5
 NUMBER OF RUNS:      2  IN     10 OBSERVATIONS

 SUM OF SQUARED WEIGHTED RESIDUALS
   (GENERAL-HEAD BOUNDARY FLOWS ONLY)  0.56260E-31

 DATA FOR FLOW OBSERVATIONS AT BOUNDARIES REPRESENTED AS CONSTANT-HEAD

       OBSERVATION      MEAS.      CALC.
WEIGHTED
  OBS#    NAME          FLOW       FLOW     RESIDUAL  WEIGHT**.5
RESIDUAL

    17 no_chdf0        1.00      -48.3       49.3      0.100E-18
0.493E-17
    18 no_chdf1        1.00      -1.28       2.28      0.100E-18
0.228E-18
    19 no_chdf2        1.00      -79.4       80.4      0.100E-18
0.804E-17
    20 no_chdf3        1.00      -84.3       85.3      0.100E-18
0.853E-17
    21 no_chdf4        1.00     -0.370       1.37      0.100E-18
0.137E-18
    22 no_chdf5        1.00      -5.57       6.57      0.100E-18
0.657E-18
    23 no_chdf6        1.00     -0.178       1.18      0.100E-18
0.118E-18
    24 no_chdf7        1.00      -7.20       8.20      0.100E-18
0.820E-18
    25 no_chdf8        1.00      -5.83       6.83      0.100E-18
0.683E-18
    26 no_chdf9        1.00     -0.468E-01   1.05      0.100E-18
0.105E-18
    27 no_chdf10       1.00      -2.34       3.34      0.100E-18
0.334E-18
    28 no_chdf11       1.00     -0.200       1.20      0.100E-18
0.120E-18
    29 no_chdf12       1.00     -0.213       1.21      0.100E-18
0.121E-18
    30 no_chdf13       1.00     -0.354       1.35      0.100E-18
0.135E-18
    31 no_chdf14       1.00     -0.780       1.78      0.100E-18
0.178E-18
    32 no_chdf15       1.00     -0.440       1.44      0.100E-18
0.144E-18
    33 no_chdf16       1.00      -20.0       21.0      0.100E-18
```

```
0.210E-17
    34 no_chdf17       1.00      -7.77       8.77      0.100E-18
0.877E-18
    35 no_chdf18       1.00      -32.2       33.2      0.100E-18
0.332E-17
    36 no_chdf19       1.00      -51.3       52.3      0.100E-18
0.523E-17
    37 no_chdf20       1.00      -9.49       10.5      0.100E-18
0.105E-17

 STATISTICS FOR CONSTANT-HEAD BOUNDARY FLOW RESIDUALS :
 MAXIMUM WEIGHTED RESIDUAL  : 0.853E-17 OBS#     20
 MINIMUM WEIGHTED RESIDUAL  : 0.105E-18 OBS#     26
 AVERAGE WEIGHTED RESIDUAL  : 0.180E-17
 # RESIDUALS >= 0. :     21
 # RESIDUALS < 0.  :      0
 NUMBER OF RUNS  :    1  IN   21 OBSERVATIONS

 SUM OF SQUARED WEIGHTED RESIDUALS
   (CONSTANT-HEAD BOUNDARY FLOWS ONLY)  0.20814E-33

 SUM OF SQUARED WEIGHTED RESIDUALS (ALL DEPENDENT VARIABLES)   783.16

 STATISTICS FOR ALL RESIDUALS :
 AVERAGE WEIGHTED RESIDUAL  : 0.415E+00
 # RESIDUALS >= 0. :     29
 # RESIDUALS < 0.  :      8
 NUMBER OF RUNS  :    6  IN   37 OBSERVATIONS

 INTERPRETING THE CALCULATED RUNS STATISTIC VALUE OF     -3.51
 NOTE: THE FOLLOWING APPLIES ONLY IF
        # RESIDUALS >= 0 . IS GREATER THAN 10 AND
        # RESIDUALS < 0.   IS GREATER THAN 10
 THE NEGATIVE VALUE MAY INDICATE TOO FEW RUNS:
    IF THE VALUE IS LESS THAN -1.28, THERE IS LESS THAN A 10 PERCENT
       CHANCE THE VALUES ARE RANDOM,
    IF THE VALUE IS LESS THAN -1.645, THERE IS LESS THAN A 5 PERCENT
       CHANCE THE VALUES ARE RANDOM,
    IF THE VALUE IS LESS THAN -1.96, THERE IS LESS THAN A 2.5 PERCENT
       CHANCE THE VALUES ARE RANDOM.


 ORDERED DEPENDENT-VARIABLE WEIGHTED RESIDUALS
 NUMBER OF RESIDUALS INCLUDED:        37
     -16.9      -2.39      -1.10     -0.198E-15 -0.129E-15 -0.182E-16 -
0.400E-17
    -0.865E-18  0.100E-18  0.100E-18  0.100E-18  0.100E-18  0.100E-18
0.105E-18
     0.118E-18  0.120E-18  0.121E-18  0.135E-18  0.137E-18  0.144E-18
0.178E-18
     0.228E-18  0.334E-18  0.657E-18  0.683E-18  0.820E-18  0.877E-18
0.105E-17
     0.210E-17  0.332E-17  0.493E-17  0.523E-17  0.804E-17  0.853E-17
5.22
      14.6       15.8

 CORRELATION BETWEEN ORDERED WEIGHTED RESIDUALS AND NORMAL ORDER
STATISTICS
 FOR OBSERVATIONS =    0.447
```

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

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

 IF the reported CORRELATION is GREATER than the 5% critical value,
ACCEPT
 the hypothesis that the weighted residuals are INDEPENDENT AND NORMALLY
 DISTRIBUTED at the 5% significance level.  The probability that this
 conclusion is wrong is less than 5%.

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

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

-----------------------------------------------------------------------
--
```

```
100 100 1
 0.01 0.01 1.0 0 0 2 1.0
```

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

```
                 PEST RUN RECORD: CASE finalwall-lowk-6-11


PEST run mode:-

   Parameter estimation mode


Case dimensions:-

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


Model command line(s):-

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


Jacobian command line:-

   na


Model interface files:-

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

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

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


PEST-to-model message file:-

   na


Derivatives calculation:-

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


Parameter definitions:-
```

Name	Trans-formation	Change limit	Initial value	Lower bound	Upper bound
hk_100	log	factor	9.55960	1.000000E-03	20.0000
ghb_300	none	factor	27.2630	1.000000E-03	1000.00
ghb_400	none	factor	151.970	1.000000E-03	1000.00

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

Prior information:-

No prior information supplied

Observations:-

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

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


Control settings:-

   Initial lambda                                                  :
10.000
   Lambda adjustment factor                                        :
2.0000
   Sufficient new/old phi ratio per optimisation iteration         :
0.30000
   Limiting relative phi reduction between lambdas                 :
3.00000E-02
   Maximum trial lambdas per iteration                             :  10
   Forgive model run failure during lamda testing                  : no

   Perform Broyden's update of Jacobian matrix                     : no

   Maximum  factor  parameter change (factor-limited changes)      :
5.0000
   Maximum relative parameter change (relative-limited changes) : na
   Fraction of initial parameter values used in computing
   change limit for near-zero parameters                           :
1.00000E-03
   Allow bending of parameter upgrade vector                       : no
   Allow parameters to stick to their bounds                       : no

   Relative phi reduction below which to begin use of
   central derivatives                                             :
0.10000
   Iteration at which to first consider derivatives switch         :   1

   Relative phi reduction indicating convergence                   :
0.50000E-02
   Number of phi values required within this range                 :   3
   Maximum number of consecutive failures to lower phi             :   3
   Minimal relative parameter change indicating convergence        :
0.50000E-02
   Number of consecutive iterations with minimal param change      :   3
   Maximum number of optimisation iterations                       :  20

   Attempt automatic user intervention                             : no

   Attempt reuse of parameter sensitivities                        : no


File saving options: -

   Save best JCO file                                              : yes
   Save multiple JCO files                                         : no
   Save multiple REI files                                         : no
   Save multiple PAR files                                         : no

                              OPTIMISATION RECORD
```

```
INITIAL CONDITIONS:
   Sum of squared weighted residuals (ie phi)                =   920.75
   Contribution to phi from observation group "head"         =   920.75
   Contribution to phi from observation group "ghb"          =  5.63010E-
32
   Contribution to phi from observation group "const_head"   =  2.05676E-
34

      Current parameter values
      hk_100           9.55960
      ghb_300          27.2630
      ghb_400          151.970


OPTIMISATION ITERATION NO.        : 1
   Model calls so far             : 1
   Starting phi for this iteration                           :   920.75
   Contribution to phi from observation group "head"         :   920.75
   Contribution to phi from observation group "ghb"          :  5.63010E-
32
   Contribution to phi from observation group "const_head"   :  2.05676E-
34

       Lambda =   10.000     ----->
          Phi =   783.30      (  0.851 of starting phi)

       Lambda =   5.0000     ----->
          Phi =   783.26      (  0.851 of starting phi)

   No more lambdas: relative phi reduction between lambdas less than
0.0300
   Lowest phi this iteration:   783.26

      Current parameter values                 Previous parameter values
      hk_100           20.0000                 hk_100            9.55960
      ghb_300          40.8140                 ghb_300           27.2630
      ghb_400          151.176                 ghb_400           151.970
   Maximum   factor change:  2.092     ["hk_100"]
   Maximum relative change:  1.092     ["hk_100"]


OPTIMISATION ITERATION NO.        : 2
   Model calls so far             : 6
   Starting phi for this iteration                           :   783.26
   Contribution to phi from observation group "head"         :   783.26
   Contribution to phi from observation group "ghb"          :  5.73836E-
32
   Contribution to phi from observation group "const_head"   :  2.08119E-
34
       parameter "hk_100" frozen: gradient and update vectors out of
bounds

       Lambda =   2.5000     ----->
          Phi =   783.18      (  1.000 of starting phi)

       Lambda =   1.2500     ----->
          Phi =   783.18      (  1.000 of starting phi)

   No more lambdas: relative phi reduction between lambdas less than
0.0300
```

```
   Lowest phi this iteration:   783.18
   Relative phi reduction between optimisation iterations less than
0.1000
   Switch to central derivatives calculation

      Current parameter values                 Previous parameter values
      hk_100           20.0000                 hk_100            20.0000
      ghb_300          79.7043                 ghb_300           40.8140
      ghb_400          154.826                 ghb_400           151.176
   Maximum   factor change:  1.953     ["ghb_300"]
   Maximum relative change: 0.9529     ["ghb_300"]


OPTIMISATION ITERATION NO.        : 3
   Model calls so far             : 11
   Starting phi for this iteration                          :   783.18
   Contribution to phi from observation group "head"        :   783.18
   Contribution to phi from observation group "ghb"         :  5.63471E-
32
   Contribution to phi from observation group "const_head"  :  2.08130E-
34
   All frozen parameters freed.

       Lambda =   1.2500     ----->
          Phi =   783.31      (  1.000 times starting phi)

       Lambda =  0.62500     ----->
          Phi =   783.31      (  1.000 times starting phi)

   No more lambdas: relative phi reduction between lambdas less than
0.0300
   Lowest phi this iteration:   783.31

      Current parameter values                 Previous parameter values
      hk_100           19.9146                 hk_100            20.0000
      ghb_300          398.522                 ghb_300           79.7043
      ghb_400          154.724                 ghb_400           154.826
   Maximum   factor change:  5.000     ["ghb_300"]
   Maximum relative change:  4.000     ["ghb_300"]

   Optimisation complete: the  3 lowest phi's are within a relative
distance
                          of eachother of 5.000E-03
   Total model calls:     19

   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         95% percent confidence limits
                 value             lower limit       upper limit
 hk_100          20.0000            5.53829           72.2245
 ghb_300         79.7043          -1.857795E+18      1.857795E+18
 ghb_400         154.826          -3.585995E+18      3.585995E+18
```

Note: confidence limits provide only an indication of parameter uncertainty.
They rely on a linearity assumption which may not extend as far in
parameter space as the confidence limits themselves - see PEST manual.

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

Observations ----->

Observation	Measured value	Calculated value	Residual	Weight	Group
hed1	3689.73	3698.33	-8.60100	1.960	head
hed2	3698.05	3698.61	-0.559000	1.960	head
hed3	3700.85	3693.39	7.45600	1.960	head
hed4	3702.56	3699.90	2.66500	1.960	head
hed5	3706.41	3698.32	8.08700	1.960	head
hed6	3696.72	3697.94	-1.22000	1.960	head
no_ghbf0	1.00000	0.00000	1.00000	1.0000E-19	ghb
no_ghbf1	1.00000	0.00000	1.00000	1.0000E-19	ghb
no_ghbf2	1.00000	0.00000	1.00000	1.0000E-19	ghb
no_ghbf3	1.00000	0.00000	1.00000	1.0000E-19	ghb
no_ghbf4	1.00000	0.00000	1.00000	1.0000E-19	ghb
no_ghbf5	1.00000	1294.61	-1293.61	1.0000E-19	ghb
no_ghbf6	1.00000	40.3478	-39.3478	1.0000E-19	ghb
no_ghbf7	1.00000	1980.06	-1979.06	1.0000E-19	ghb
no_ghbf8	1.00000	208.353	-207.353	1.0000E-19	ghb
no_ghbf9	1.00000	8.98449	-7.98449	1.0000E-19	ghb
no_chdf0	1.00000	-48.2660	49.2660	1.0000E-19	const_head
no_chdf1	1.00000	-1.28163	2.28163	1.0000E-19	const_head
no_chdf2	1.00000	-79.3847	80.3847	1.0000E-19	const_head
no_chdf3	1.00000	-84.2852	85.2852	1.0000E-19	const_head
no_chdf4	1.00000	-0.369641	1.36964	1.0000E-19	const_head
no_chdf5	1.00000	-5.56640	6.56640	1.0000E-19	const_head

```
no_chdf6                1.00000      -0.178459        1.17846
1.0000E-19  const_head
no_chdf7                1.00000       -7.16954        8.16954
1.0000E-19  const_head
no_chdf8                1.00000       -5.83913        6.83913
1.0000E-19  const_head
no_chdf9                1.00000      -4.673932E-02    1.04674
1.0000E-19  const_head
no_chdf10               1.00000       -2.34099        3.34099
1.0000E-19  const_head
no_chdf11               1.00000      -0.199559        1.19956
1.0000E-19  const_head
no_chdf12               1.00000      -0.213344        1.21334
1.0000E-19  const_head
no_chdf13               1.00000      -0.353956        1.35396
1.0000E-19  const_head
no_chdf14               1.00000      -0.780408        1.78041
1.0000E-19  const_head
no_chdf15               1.00000      -0.439702        1.43970
1.0000E-19  const_head
no_chdf16               1.00000       -20.0213        21.0213
1.0000E-19  const_head
no_chdf17               1.00000       -7.76511        8.76511
1.0000E-19  const_head
no_chdf18               1.00000       -32.2039        33.2039
1.0000E-19  const_head
no_chdf19               1.00000       -51.2680        52.2680
1.0000E-19  const_head
no_chdf20               1.00000       -9.49164        10.4916
1.0000E-19  const_head

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

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


Objective function ----->

  Sum of squared weighted residuals (ie phi)                =   783.2
  Contribution to phi from observation group "head"         =   783.2
  Contribution to phi from observation group "ghb"          =  5.6347E-
32
  Contribution to phi from observation group "const_head"   =  2.0813E-
34


Correlation Coefficient ----->

  Correlation coefficient                                   =   1.000


Analysis of residuals ----->

  All residuals:-
     Number of residuals with non-zero weight                       =
37
     Mean value of non-zero weighted residuals                      =
0.4147
```

```
     Maximum weighted residual [observation "hed5"]                  =
15.85
     Minimum weighted residual [observation "hed1"]                  =  -
16.86
     Standard variance of weighted residuals                         =
23.03
     Standard error of weighted residuals                            =
4.799

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

  Residuals for observation group "head":-
     Number of residuals with non-zero weight                        =
6
     Mean value of non-zero weighted residuals                       =
2.557
     Maximum weighted residual [observation "hed5"]                  =
15.85
     Minimum weighted residual [observation "hed1"]                  =  -
16.86
     "Variance" of weighted residuals                                =
130.5
     "Standard error" of weighted residuals                          =
11.42

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

  Residuals for observation group "ghb":-
     Number of residuals with non-zero weight                        =
10
     Mean value of non-zero weighted residuals                       = -
3.5224E-17
     Maximum weighted residual [observation "no_ghbf0"]              =
1.0000E-19
     Minimum weighted residual [observation "no_ghbf7"]              = -
1.9791E-16
     "Variance" of weighted residuals                                =
5.6347E-33
     "Standard error" of weighted residuals                          =
7.5065E-17

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

  Residuals for observation group "const_head":-
     Number of residuals with non-zero weight                        =
21
     Mean value of non-zero weighted residuals                       =
1.8022E-18
     Maximum weighted residual [observation "no_chdf3"]              =
```

```
8.5285E-18
     Minimum weighted residual [observation "no_chdf9"]              =
1.0467E-19
     "Variance" of weighted residuals                                =
9.9109E-36
     "Standard error" of weighted residuals                          =
3.1482E-18

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


K-L information statistics ----->


  AIC   =   120.9404
  AICC  =   122.1904
  BIC   =   127.3840
  KIC   =  -56.47170

Parameter covariance matrix ----->

                hk_100      ghb_300      ghb_400
hk_100         7.5197E-02  -1.5516E-02  -8.6851E-03
ghb_300       -1.5516E-02   8.3457E+35  -1.7907E+32
ghb_400       -8.6851E-03  -1.7907E+32   3.1095E+36


Parameter correlation coefficient matrix ----->

                hk_100      ghb_300      ghb_400
hk_100          1.000      -6.1938E-20  -1.7961E-20
ghb_300       -6.1938E-20    1.000      -1.1116E-04
ghb_400       -1.7961E-20  -1.1116E-04    1.000


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

              Vector_1     Vector_2     Vector_3
hk_100         -1.000      -3.2303E-17   2.4143E-18
ghb_300       -1.1967E-16    1.000      -7.8716E-05
ghb_400       -6.8759E-17   7.8716E-05    1.000


Eigenvalues ----->

                7.5197E-02   8.3457E+35   3.1095E+36
```

```
3 0 0 3
0 0 0 0
HK_100 1 1 9.559584 0.001 20.0 1.0
GHB_300 1 0 27.26261 0.001 1000.0 1.0
GHB_400 1 0 151.9664 0.001 1000.0 1.0
```

```
#GMS_HDF5_01
1 740 AUX IFACE AUX QFACT AUX CELLGRP
         1         0         0
GMS_HDF5_01 "FINALWALL-LOWK-6-11.h5" "Well" 1
```