

BARRIER_LOWK.asp
0 0 IPESTINT INTERP
1 0 0 0.0 NOSTOP HDRYBOT LIMOP MINTHICK

BARRIER_LOWK.ba6

#NT-1

#12 December 2007

FREE

HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/ibound1"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/ibound2"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/ibound3"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/ibound4"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/ibound5"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/ibound6"	1	0	10000
-999.000000							
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/StartHead1"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/StartHead2"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/StartHead3"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/StartHead4"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/StartHead5"	1	0	10000
HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/StartHead6"	1	0	10000

BARRIER_LOWK.chd

#GMS_HDF5_01

752 40

752

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GMS_HDF5_01 "BARRIER_LOWK.h5" "Specified Head" 1

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BARRIER_LOWK.chob
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324591.94949304 1.0 no_chdf0
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323688.6211621 1.0 no_chdf1
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 12 220080.0 323316.0 1.0
no_chdf2
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 2 219501.18238633
328416.68044872 1.0 no_chdf3
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 3 218869.23003934
327810.9157566 1.0 no_chdf4
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 4 219829.5 323290.0 1.0
no_chdf5
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 5 221825.0 326713.0 1.0
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#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 6 219619.23539641
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#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 8 219282.05029394
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#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 9 220581.52416746
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no_chdf16
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1 48 90 0.4964656575741
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1 49 89 0.4966336995111
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BARRIER_LOWK.chob

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 1 79 59 0.5031718805285
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BARRIER_LOWK.chob

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1 86 49 0.5047130210714
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1 87 46 0.0414963149509
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1 86 36 0.5051018781716
1 87 36 0.4794348622625
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1 93 46 0.5044685675957
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1 97 46 0.313414787525
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BARRIER_LOWK.chob

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1 15 22 0.5040691857776
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BARRIER_LOWK.chob

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BARRIER_LOWK.chob

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1 66 35 0.5043313347964
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BARRIER_LOWK.chob

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BARRIER_LOWK.chob

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1 76 67 0.4985080732779
1 76 66 0.4984100524595
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BARRIER_LOWK.chob

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1 72 63 0.497825110332
1 72 62 0.4977262216944
1 73 62 0.4976537602861
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1 76 61 0.4972835133305
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1 78 60 0.4969792161113
1 78 59 0.4969138168817
1 79 59 0.4968281194715
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1 82 58 0.4964362204201
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1 86 49 0.4952869789286
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1 84 36 0.4949317746247
1 85 36 0.4949149476545
1 86 36 0.4948981218284
1 87 36 0.4697186215875
1 11
no_chdf12 1 0.0 1.0 1.0e+019 1 1
1 87 46 0.4543677446194
1 88 46 0.4951263589867
1 89 46 0.4952073206811
1 90 46 0.495288308857
1 91 46 0.4953693235275
1 92 46 0.4954503647056
1 93 46 0.4955314324043
1 94 46 0.4956125266367
1 95 46 0.4956936474157
1 96 46 0.4957747947543
1 97 46 0.3082584948342
1 42
no_chdf13 1 0.0 1.0 1.0e+019 1 1
1 2 14 0.1464615554733
1 2 15 0.3301027797392
1 2 16 0.4966988266045
1 2 17 0.4967754485535
1 2 18 0.4968520941458
1 2 19 0.4969287633926

```

BARRIER_LOWK.chob

```

1 2 20 0.4970054563046
1 2 21 0.497082172893
1 2 22 0.4971589131685
1 2 23 0.4972356771423
1 2 24 0.4973124648253
1 2 25 0.4973892762284
1 2 26 0.4974661113627
1 2 27 0.4975429702392
1 2 28 0.4976198528689
1 2 29 0.4976967592627
1 2 30 0.4977736894318
1 2 31 0.497850643387
1 2 32 0.4979276211396
1 2 33 0.4980046227005
1 2 34 0.4980466884375
1 3 34 0.4980852046557
1 3 35 0.4981586972913
1 3 36 0.4982357703434
1 3 37 0.498312867248
1 3 38 0.4983899880163
1 3 39 0.4984671326592
1 3 40 0.4985443011879
1 3 41 0.4986214936135
1 3 42 0.4986987099471
1 3 43 0.4987759501998
1 3 44 0.4988532143826
1 3 45 0.4989305025068
1 3 46 0.4990078145835
1 3 47 0.4990851506237
1 3 48 0.4991625106387
1 3 49 0.4992398946396
1 3 50 0.4993173026375
1 3 51 0.4993947346436
1 3 52 0.4994721906691
1 3 53 0.4995496707251
1 3 54 0.0336060850463
1 36
no_chdf14 1 0.0 1.0 1.0e+019 1 1
1 2 14 0.3501057359839
1 2 15 0.1664940273828
1 3 15 0.4965132173716
1 4 15 0.4964789751423
1 4 16 0.4964549438921
1 5 16 0.4964170930704
1 6 16 0.4963875308528
1 6 17 0.496363508454
1 7 17 0.496321005981
1 8 17 0.4962961202426
1 8 18 0.4962721066903
1 9 18 0.4962287503265
1 9 19 0.4962047432931
1 10 19 0.4961769450719
1 11 19 0.496137398181
1 11 20 0.4961133999856
1 12 20 0.4960809509176
1 13 20 0.4960460796638
1 13 21 0.4960220903015
1 14 21 0.4959849938998
1 15 21 0.4959547947564
1 15 22 0.4959308142224
1 16 22 0.4958890739967
1 17 22 0.4958635434403
1 17 23 0.4958395717296

```

BARRIER_LOWK.chob

```
1 18 23 0.4957962909057
1 18 24 0.4957723256968
1 19 24 0.4957452636851
1 20 24 0.4957050979015
1 20 25 0.4956811415076
1 21 25 0.4956494364748
1 22 25 0.4956139384378
1 22 26 0.495589990854
1 23 26 0.4955536463041
1 24 26 0.4955228124961
1 24 27 0.4760723273906
1 21
no_chdf15 1 0.0 1.0 1.0e+019 1 1
1 87 36 0.0251626977566
1 88 36 0.4949095520563
1 88 37 0.4949604891448
1 89 37 0.4950106765358
1 89 38 0.4950616344433
1 90 38 0.495111842349
1 90 39 0.4951628210885
1 91 39 0.4952130495215
1 91 40 0.4952640491055
1 92 40 0.4953142980785
1 92 41 0.4953653185199
1 93 41 0.4954155880454
1 93 42 0.495466629357
1 94 42 0.4955169194476
1 94 43 0.4955679816422
1 95 43 0.4956182923106
1 95 44 0.495669375401
1 96 44 0.4957197066598
1 96 45 0.4957708106589
1 97 45 0.4958211625207
1 97 46 0.1876002686882
1 49
no_chdf16 1 0.0 1.0 1.0e+019 1 1
1 18 74 0.4924174867912
1 19 74 0.5001417230153
1 19 75 0.5002069898078
1 20 75 0.500282118578
1 21 75 0.5003723366738
1 21 76 0.5004376636726
1 22 76 0.500537792889
1 22 77 0.5006031631007
1 23 77 0.5006741951268
1 24 77 0.5007687720293
1 24 78 0.5008342025906
1 25 78 0.5009344905674
1 25 79 0.5009999644443
1 26 79 0.5010668867068
1 27 79 0.5011658360592
1 27 80 0.5012313704293
1 28 80 0.5013290234926
1 29 80 0.5013973953333
1 29 81 0.5014629902806
1 30 81 0.5015635302599
1 30 82 0.5016291686862
1 31 82 0.5017227433456
1 32 82 0.5017954572671
1 32 83 0.5018611564149
1 33 83 0.5019618561329
1 33 84 0.5020275988634
1 34 84 0.5021170821021
```

BARRIER_LOWK.chob

```

1 35 84 0.5021941517499
1 35 85 0.5022599553466
1 36 85 0.5023608151844
1 36 86 0.5024266624678
1 37 86 0.5025120412227
1 38 86 0.5025934802906
1 38 87 0.5026593885856
1 39 87 0.5027604089253
1 39 88 0.5028263610112
1 40 88 0.5029076221723
1 41 88 0.5029934444029
1 41 89 0.5030594576462
1 42 89 0.5031606388713
1 42 90 0.5032266960102
1 43 90 0.5033038264207
1 44 90 0.5033940456055
1 44 91 0.503460164048
1 45 91 0.503561506543
1 45 92 0.5036276689862
1 46 92 0.5037006554423
1 47 92 0.1901629438474
1 47 93 0.3086362867694
1 28
no_chdf17 1 0.0 1.0 1.0e+019 1 1
1 66 28 0.2684047678
1 66 29 0.4958636921857
1 66 30 0.4958311770316
1 66 31 0.4957986661415
1 66 32 0.4957661595144
1 66 33 0.4957336571497
1 66 34 0.4957011590463
1 66 35 0.4956686652036
1 66 36 0.4956361756206
1 66 37 0.4956106861651
1 67 37 0.4955819269536
1 68 37 0.4955429049721
1 69 37 0.4955038891353
1 70 37 0.4954648794417
1 71 37 0.4954258758899
1 72 37 0.4953970511117
1 72 36 0.4953775539075
1 73 36 0.4953478872058
1 74 36 0.4953089020706
1 75 36 0.4952699230714
1 76 36 0.4952309502067
1 77 36 0.4951919834751
1 78 36 0.4951530228751
1 79 36 0.4951140684053
1 80 36 0.4950751200643
1 81 36 0.4950361778505
1 82 36 0.4949972417626
1 83 36 0.464954574808
1 48
no_chdf18 1 0.0 1.0 1.0e+019 1 1
1 24 27 0.0194265783748
1 25 27 0.4954888028629
1 26 27 0.4954946431299
1 26 28 0.4954999835286
1 27 28 0.4955096271957
1 27 29 0.4955149679174
1 28 29 0.4955208462262
1 29 29 0.4955299532125
1 29 30 0.4955352943723

```

BARRIER_LOWK.chob

```
1 30 30 0.4955422107711
1 31 30 0.4955525484477
1 32 30 0.4955624042494
1 33 30 0.4955721234323
1 34 30 0.4955818429964
1 35 30 0.4955915629418
1 36 30 0.4956012832685
1 37 30 0.4956110039765
1 38 30 0.4956207250659
1 39 30 0.4956304465365
1 40 30 0.4956401683886
1 41 30 0.4956498906221
1 42 30 0.4956596132369
1 43 30 0.4956693362333
1 44 30 0.4956790596111
1 45 30 0.4956848809121
1 45 29 0.4956897428582
1 46 29 0.4956985075111
1 47 29 0.4957082320334
1 48 29 0.4957179569373
1 49 29 0.4957276822228
1 50 29 0.4957374078898
1 51 29 0.4957471339385
1 52 29 0.4957568603688
1 53 29 0.4957665871808
1 54 29 0.4957763143745
1 55 29 0.4957860419499
1 56 29 0.495795769907
1 57 29 0.4958054982459
1 58 29 0.4958152269665
1 59 29 0.495824956069
1 60 29 0.4958346855533
1 61 29 0.4958400806434
1 61 28 0.4958449456346
1 62 28 0.4958541456674
1 63 28 0.4958638762973
1 64 28 0.4958736073092
1 65 28 0.4958833387029
1 66 28 0.2274823063453
1 38
no_chdf19 1 0.0 1.0 1.0e+019 1 1
1 3 54 0.4659921120886
1 3 55 0.4996092431102
1 3 56 0.4996201388592
1 3 57 0.4996301140164
1 4 57 0.4996412041493
1 5 57 0.4996543305594
1 6 57 0.4996674576593
1 7 57 0.4996805854489
1 8 57 0.4996937139284
1 9 57 0.4997068430977
1 10 57 0.499719972957
1 11 57 0.4997331035063
1 12 57 0.4997462347456
1 13 57 0.4997550927839
1 13 56 0.4997616588951
1 14 56 0.4997724992947
1 15 56 0.4997856326045
1 16 56 0.4997987666046
1 17 56 0.499809775888
1 17 57 0.4998196757029
1 17 58 0.4998305914833
1 17 59 0.4998415077405
```


BARRIER_LOWK.chob

1	17	60	0.4998524244745
1	17	61	0.4998633416855
1	17	62	0.4998742593733
1	17	63	0.499885177538
1	17	64	0.4998960961797
1	17	65	0.4999070152983
1	17	66	0.499917934894
1	17	67	0.4999259698814
1	18	67	0.4999314300336
1	18	68	0.4999397755166
1	18	69	0.4999506965435
1	18	70	0.4999616180476
1	18	71	0.4999725400288
1	18	72	0.4999834624873
1	18	73	0.499994385423
1	18	74	0.0076250055016

BARRIER_LOWK.dis

```
# MF2K DISCRETIZATION FILE
```

#

#

```
# NLAY NROW NCOL NPER TIMEUNITS LENUNITS
```

6 100 100 1 4 1

0 0 0 0 0 0

INTERNAL 1.0 (free) -1

[illegible]

INTERNAL 1.0 (free) -1

[illegible]

```
HDF5 1.0 -1 "BARRIER_LOWK.h5" "Arrays/top1" 1 0 10000
```

```
HDF5 1.0 -1 "BARRIER_LOWK.h5" "Arrays/bot1" 1 0 10000
```

HDF5	1.0	-1	"BARRIER_LOWK.h5"	"Arrays/bot2"	1	0	10000
------	-----	----	-------------------	---------------	---	---	-------

```
HDF5 1.0 -1 "BARRIER_LOWK.h5" "Arrays/bot3" 1 0 10000
```

```
HDF5 1.0 -1 "BARRIER_LOWK.h5" "Arrays/bot4" 1 0 10000
```

```
HDF5 1.0 -1 "BARRIER_LOWK.h5" "Arrays/bot5" 1 0 10000
```

```
HDF5 1.0 -1 "BARRIER_LOWK.h5" "Arrays/bot6" 1 0 10000
```

1.0 1 1.0 SS

BARRIER_LOWK.drn

#GMS_HDF5_01

63 40 AUX IFACE AUX CONDFACT AUX CELLGRP

63 0 0

GMS_HDF5_01 "BARRIER_LOWK.h5" "Drain" 1

```

BARRIER_LOWK.drob
# CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 10 219844.66804226
323714.6211621 1.0 no_drnf0
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 13 220252.07467856
327951.884473 1.0 no_drnf1
#GMSCOMMENT 318440d0-f225-4a28-8a21-7d9865b1eff6 ARC 7 219577.55469813
327236.58330639 1.0 no_drnf2
3 63 3
1.0 1.0 0
1 12
no_drnf0 1 0.0 1.0 1.0e+019 1 1
1 86 46 1.0
1 86 45 1.0
1 86 44 1.0
1 86 43 1.0
1 85 43 1.0
1 85 42 1.0
1 85 41 1.0
1 85 40 1.0
1 84 40 1.0
1 84 39 1.0
1 84 38 1.0
1 84 37 1.0
1 31
no_drnf1 1 0.0 1.0 1.0e+019 1 1
1 4 53 1.0
1 5 53 1.0
1 5 52 1.0
1 6 52 1.0
1 7 52 1.0
1 7 51 1.0
1 8 51 1.0
1 9 51 1.0
1 9 50 1.0
1 10 50 1.0
1 11 50 1.0
1 11 49 1.0
1 12 49 1.0
1 13 49 1.0
1 13 48 1.0
1 14 48 1.0
1 14 47 1.0
1 15 47 1.0
1 15 46 1.0
1 15 45 1.0
1 16 45 1.0
1 16 44 1.0
1 17 44 1.0
1 17 43 1.0
1 18 43 1.0
1 18 42 1.0
1 18 43 1.0
1 19 43 1.0
1 20 43 1.0
1 21 43 1.0
1 21 44 1.0
1 20
no_drnf2 1 0.0 1.0 1.0e+019 1 1
1 21 44 1.0
1 22 44 1.0
1 22 43 1.0
1 22 42 1.0
1 22 41 1.0

```

BARRIER_LOWK.drob

1	22	40	1.0
1	23	40	1.0
1	23	39	1.0
1	23	38	1.0
1	23	37	1.0
1	23	36	1.0
1	23	35	1.0
1	23	34	1.0
1	24	34	1.0
1	24	33	1.0
1	24	32	1.0
1	24	31	1.0
1	24	30	1.0
1	24	29	1.0
1	24	28	1.0

BARRIER_LOWK.evt

#GMS_HDF5_01

1 40

1 1 1 1

HDF5 1.0 -1 "BARRIER_LOWK.h5" "ET/07. Property" 3 0 1 0 10000 0 1

HDF5 1.0 -1 "BARRIER_LOWK.h5" "ET/07. Property" 3 1 1 0 10000 0 1

HDF5 1.0 -1 "BARRIER_LOWK.h5" "ET/07. Property" 3 2 1 0 10000 0 1

BARRIER_LOWK.ghb

#GMS_HDF5_01

263 40 AUX IFACE AUX CONDFACT AUX CELLGRP

263 0 0

GMS_HDF5_01 "BARRIER_LOWK.h5" "General Head" 1

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

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

GLOBAL LISTING FILE: "BARRIER_LOWK.glo"
UNIT 1

OPENING "BARRIER_LOWK.out"
FILE TYPE:LIST UNIT 2 STATUS:REPLACE
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.hed"
FILE TYPE:DATA(BINARY) UNIT 30 STATUS:UNKNOWN
FORMAT:BINAR Y ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.ccf"
FILE TYPE:DATA(BINARY) UNIT 40 STATUS:UNKNOWN
FORMAT:BINAR Y ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.lmt"
FILE TYPE:LMT6 UNIT 18 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

#

Obs-Sen-Pes Process Input Files

OPENING "BARRIER_LOWK.obs"
FILE TYPE:OBS UNIT 50 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.hob"
FILE TYPE:HOB UNIT 51 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.gbob"
FILE TYPE:GBOB UNIT 53 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.drob"
FILE TYPE:DROB UNIT 54 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.chob"
FILE TYPE:CHOB UNIT 55 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.t_snn"
FILE TYPE:SEN UNIT 57 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.pes"
FILE TYPE:PES UNIT 58 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

FILE TYPE:ASP: FILE = BARRIER_LOWK.asp

#

BARRIER_LOWK.glo

Global Input Files

OPENING "BARRIER_LOWK.dis"
FILE TYPE:DIS UNIT 19 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL
#

Flow Process Input Files

OPENING "BARRIER_LOWK.ba6"
FILE TYPE:BAS6 UNIT 3 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.lpf"
FILE TYPE:LPF UNIT 4 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.oc"
FILE TYPE:OC UNIT 15 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.rch"
FILE TYPE:RCH UNIT 16 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.hfb"
FILE TYPE:HFB6 UNIT 7 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.wel"
FILE TYPE:WEL UNIT 9 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

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

OPENING "BARRIER_LOWK.ghb"
FILE TYPE:GHB UNIT 11 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.evt"
FILE TYPE:EVT UNIT 12 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.chd"
FILE TYPE:CHD UNIT 13 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

OPENING "BARRIER_LOWK.pcg"
FILE TYPE:PCG UNIT 14 STATUS:OLD
FORMAT:FORMATTED ACCESS:SEQUENTIAL

THE FREE FORMAT OPTION HAS BEEN SELECTED

DISCRETIZATION INPUT DATA READ FROM UNIT 19
MF2K DISCRETIZATION FILE

BARRIER_LOWK.glo

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

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

VARIABLES READ FROM ASP INPUT FILE:-

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

READING ON UNIT 19 WITH FORMAT: (FREE)

READING ON UNIT 19 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 4
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT 40
HEAD AT CELLS THAT CONVERT TO DRY= -888.00
No named parameters

LAYER	LAYTYP	LAYAVG	CHANI	LAYVKA	LAYWET

			BARRIER_LOWK.glo		
1	1	0	-1.000E+00	1	1
2	0	0	-1.000E+00	1	0
3	0	0	-1.000E+00	1	0
4	0	0	-1.000E+00	1	0
5	0	0	-1.000E+00	1	0
6	0	0	-1.000E+00	1	0

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

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

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

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

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

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

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

HEAD OBSERVATIONS -- INPUT READ FROM UNIT 51
CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5774, 221327.2, 326728.0
ts_0 hed1
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5775, 219776.0, 326790.0
ts_0 hed2
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5776, 220131.0, 325400.6
ts_0 hed3
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5777, 220779.0, 324851.0
ts_0 hed4
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5778, 219770.0, 325299.0
ts_0 hed5
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5779, 220383.0, 323927.0
ts_0 hed6
#GMSCOMMENT b65651bb-5d3e-49f7-ab1c-bfd45d5e548c POINT 5780, 220522.0, 325981.0
ts_0 hed7

BARRIER_LOWK.glo

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

OBS1DRN6 -- OBSERVATION PROCESS (DRAIN FLOW OBSERVATIONS)

VERSION 1.0, 10/15/98

INPUT READ FROM UNIT 54

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

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

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

VERSION 1.0, 10/15/98

INPUT READ FROM UNIT 53

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

NUMBER OF FLOW-OBSERVATION GENERAL-HEAD-CELL GROUPS: 4
 NUMBER OF CELLS IN GENERAL-HEAD-CELL GROUPS.....: 263
 NUMBER OF GENERAL-HEAD-CELL FLOWS.....: 4

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

VERSION 1.0, 12/03/99

INPUT READ FROM UNIT 55

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

BARRIER_LOWK.glo

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#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 11 219594.16804226
323688.6211621 1.0 no_chdf11
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 12 220080.0 323316.0 1.0
no_chdf12
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 2 219501.18238633
328416.68044872 1.0 no_chdf13
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 3 218869.23003934
327810.9157566 1.0 no_chdf14
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 4 219829.5 323290.0 1.0
no_chdf15
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 5 221825.0 326713.0 1.0
no_chdf16
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 6 219619.23539641
324377.97340138 1.0 no_chdf17
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 8 219282.05029394
325848.27101463 1.0 no_chdf18
#GMSCOMMENT b0ab6fc4-3c71-420b-b189-b1e94b402a70 ARC 9 220581.52416746
327592.41058298 1.0 no_chdf19
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NUMBER OF FLOW-OBSERVATION CONSTANT-HEAD-CELL GROUPS: 20
NUMBER OF CELLS IN CONSTANT-HEAD-CELL GROUPS.....: 752
NUMBER OF CONSTANT-HEAD-CELL FLOWS.....: 20
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7581 ELEMENTS IN X ARRAY ARE USED FOR OBSERVATIONS
812 ELEMENTS IN Z ARRAY ARE USED FOR OBSERVATIONS
289 ELEMENTS IN IX ARRAY ARE USED FOR OBSERVATIONS
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COMMON ERROR VARIANCE FOR ALL OBSERVATIONS SET TO: 1.000

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430103 ELEMENTS OF X ARRAY USED OUT OF 430103
300812 ELEMENTS OF Z ARRAY USED OUT OF 300812
9081 ELEMENTS OF IX ARRAY USED OUT OF 9081
0 ELEMENTS OF XHS ARRAY USED OUT OF 1
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INFORMATION ON PARAMETERS LISTED IN SEN FILE

NAME	ISENS	LN	VALUE IN SEN INPUT FILE	LOWER REASONABLE LIMIT	UPPER REASONABLE LIMIT	ALTERNATE SCALING FACTOR
HK_100	1	1	1.7151	0.10000E-02	20.000	1.0000
GHB_300	1	0	0.15650	0.10000E-02	1000.0	1.0000
GHB_400	1	0	1000.0	0.10000E-02	1000.0	1.0000

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

BECAUSE ISENALL < 0, ALL ISENS ARE SET TO 0

HEAD OBSERVATION VARIANCES ARE MULTIPLIED BY: 1.000

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

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

Page 6

7 hed7 1 0.000 BARRIER_LOWK.glo 3605. 1.531 STD. DEV. 1

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

DRAIN-CELL FLOW OBSERVATION VARIANCES ARE MULTIPLIED BY: 1.000

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

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

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

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

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

BARRIER_LOWK.glo

1.	13.	49.	1.00
1.	13.	48.	1.00
1.	14.	48.	1.00
1.	14.	47.	1.00
1.	15.	47.	1.00
1.	15.	46.	1.00
1.	15.	45.	1.00
1.	16.	45.	1.00
1.	16.	44.	1.00
1.	17.	44.	1.00
1.	17.	43.	1.00
1.	18.	43.	1.00
1.	18.	42.	1.00
1.	18.	43.	1.00
1.	19.	43.	1.00
1.	20.	43.	1.00
1.	21.	43.	1.00
1.	21.	44.	1.00

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

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

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

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

GROUP NUMBER: 4 BOUNDARY TYPE: GHB NUMBER OF CELLS IN GROUP: 79
 NUMBER OF FLOW OBSERVATIONS: 1

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

BARRIER_LOWK.glo			
LAYER	ROW	COLUMN	FACTOR
5.	18.	74.	1.00
5.	18.	73.	1.00
5.	18.	72.	1.00
5.	18.	71.	1.00
5.	18.	70.	1.00
5.	18.	69.	1.00
5.	18.	68.	1.00
5.	18.	67.	1.00
5.	17.	67.	1.00
5.	17.	66.	1.00
5.	17.	65.	1.00
5.	17.	64.	1.00
5.	17.	63.	1.00
5.	17.	62.	1.00
5.	17.	61.	1.00
5.	17.	60.	1.00
5.	17.	59.	1.00
5.	17.	58.	1.00
5.	17.	57.	1.00
5.	17.	56.	1.00
5.	16.	56.	1.00
5.	15.	56.	1.00
5.	14.	56.	1.00
5.	13.	56.	1.00
5.	13.	57.	1.00
5.	12.	57.	1.00
5.	11.	57.	1.00
5.	10.	57.	1.00
5.	9.	57.	1.00
5.	8.	57.	1.00
5.	7.	57.	1.00
5.	6.	57.	1.00
5.	5.	57.	1.00
5.	4.	57.	1.00
5.	3.	57.	1.00
5.	3.	56.	1.00
5.	3.	55.	1.00
5.	3.	54.	1.00
5.	3.	53.	1.00
5.	3.	52.	1.00
5.	3.	51.	1.00
5.	3.	50.	1.00
5.	3.	49.	1.00
5.	3.	48.	1.00
5.	3.	47.	1.00
5.	3.	46.	1.00
5.	3.	45.	1.00
5.	3.	44.	1.00
5.	3.	43.	1.00
5.	3.	42.	1.00
5.	3.	41.	1.00
5.	3.	40.	1.00
5.	3.	39.	1.00
5.	3.	38.	1.00
5.	3.	37.	1.00
5.	3.	36.	1.00
5.	3.	35.	1.00
5.	3.	34.	1.00
5.	2.	34.	1.00
5.	2.	33.	1.00
5.	2.	32.	1.00
5.	2.	31.	1.00

BARRIER_LOWK.glo

5.	2.	30.	1.00
5.	2.	29.	1.00
5.	2.	28.	1.00
5.	2.	27.	1.00
5.	2.	26.	1.00
5.	2.	25.	1.00
5.	2.	24.	1.00
5.	2.	23.	1.00
5.	2.	22.	1.00
5.	2.	21.	1.00
5.	2.	20.	1.00
5.	2.	19.	1.00
5.	2.	18.	1.00
5.	2.	17.	1.00
5.	2.	16.	1.00
5.	2.	15.	1.00
5.	2.	14.	1.00

GROUP NUMBER: 5 BOUNDARY TYPE: GHB NUMBER OF CELLS IN GROUP: 83
 NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
12	no_ghbf1	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	5.	66.	28.	1.00			
	5.	65.	28.	1.00			
	5.	64.	28.	1.00			
	5.	63.	28.	1.00			
	5.	62.	28.	1.00			
	5.	61.	28.	1.00			
	5.	61.	29.	1.00			
	5.	60.	29.	1.00			
	5.	59.	29.	1.00			
	5.	58.	29.	1.00			
	5.	57.	29.	1.00			
	5.	56.	29.	1.00			
	5.	55.	29.	1.00			
	5.	54.	29.	1.00			
	5.	53.	29.	1.00			
	5.	52.	29.	1.00			
	5.	51.	29.	1.00			
	5.	50.	29.	1.00			
	5.	49.	29.	1.00			
	5.	48.	29.	1.00			
	5.	47.	29.	1.00			
	5.	46.	29.	1.00			
	5.	45.	29.	1.00			
	5.	45.	30.	1.00			
	5.	44.	30.	1.00			
	5.	43.	30.	1.00			
	5.	42.	30.	1.00			
	5.	41.	30.	1.00			
	5.	40.	30.	1.00			
	5.	39.	30.	1.00			
	5.	38.	30.	1.00			
	5.	37.	30.	1.00			
	5.	36.	30.	1.00			
	5.	35.	30.	1.00			
	5.	34.	30.	1.00			

BARRIER_LOWK.glo

5.	33.	30.	1.00
5.	32.	30.	1.00
5.	31.	30.	1.00
5.	30.	30.	1.00
5.	29.	30.	1.00
5.	29.	29.	1.00
5.	28.	29.	1.00
5.	27.	29.	1.00
5.	27.	28.	1.00
5.	26.	28.	1.00
5.	26.	27.	1.00
5.	25.	27.	1.00
5.	24.	27.	1.00
5.	24.	26.	1.00
5.	23.	26.	1.00
5.	22.	26.	1.00
5.	22.	25.	1.00
5.	21.	25.	1.00
5.	20.	25.	1.00
5.	20.	24.	1.00
5.	19.	24.	1.00
5.	18.	24.	1.00
5.	18.	23.	1.00
5.	17.	23.	1.00
5.	17.	22.	1.00
5.	16.	22.	1.00
5.	15.	22.	1.00
5.	15.	21.	1.00
5.	14.	21.	1.00
5.	13.	21.	1.00
5.	13.	20.	1.00
5.	12.	20.	1.00
5.	11.	20.	1.00
5.	11.	19.	1.00
5.	10.	19.	1.00
5.	9.	19.	1.00
5.	9.	18.	1.00
5.	8.	18.	1.00
5.	8.	17.	1.00
5.	7.	17.	1.00
5.	6.	17.	1.00
5.	6.	16.	1.00
5.	5.	16.	1.00
5.	4.	16.	1.00
5.	4.	15.	1.00
5.	3.	15.	1.00
5.	2.	15.	1.00
5.	2.	14.	1.00

GROUP NUMBER: 6 BOUNDARY TYPE: GHb NUMBER OF CELLS IN GROUP: 52
 NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
13	no_glb2	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	5.	97.	46.	1.00			
	5.	97.	45.	1.00			
	5.	96.	45.	1.00			
	5.	96.	44.	1.00			

BARRIER_LOWK.glo

5.	95.	44.	1.00
5.	95.	43.	1.00
5.	94.	43.	1.00
5.	94.	42.	1.00
5.	93.	42.	1.00
5.	93.	41.	1.00
5.	92.	41.	1.00
5.	92.	40.	1.00
5.	91.	40.	1.00
5.	91.	39.	1.00
5.	90.	39.	1.00
5.	90.	38.	1.00
5.	89.	38.	1.00
5.	89.	37.	1.00
5.	88.	37.	1.00
5.	88.	36.	1.00
5.	87.	36.	1.00
5.	86.	36.	1.00
5.	85.	36.	1.00
5.	84.	36.	1.00
5.	83.	36.	1.00
5.	82.	36.	1.00
5.	81.	36.	1.00
5.	80.	36.	1.00
5.	79.	36.	1.00
5.	78.	36.	1.00
5.	77.	36.	1.00
5.	76.	36.	1.00
5.	75.	36.	1.00
5.	74.	36.	1.00
5.	73.	36.	1.00
5.	72.	36.	1.00
5.	72.	37.	1.00
5.	71.	37.	1.00
5.	70.	37.	1.00
5.	69.	37.	1.00
5.	68.	37.	1.00
5.	67.	37.	1.00
5.	66.	37.	1.00
5.	66.	36.	1.00
5.	66.	35.	1.00
5.	66.	34.	1.00
5.	66.	33.	1.00
5.	66.	32.	1.00
5.	66.	31.	1.00
5.	66.	30.	1.00
5.	66.	29.	1.00
5.	66.	28.	1.00

GROUP NUMBER: 7 BOUNDARY TYPE: GHb NUMBER OF CELLS IN GROUP: 49
NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
14	no_glbfb3	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	5.	47.	93.	1.00			
	5.	47.	92.	1.00			
	5.	46.	92.	1.00			
	5.	45.	92.	1.00			

BARRIER_LOWK.glo

5.	45.	91.	1.00
5.	44.	91.	1.00
5.	44.	90.	1.00
5.	43.	90.	1.00
5.	42.	90.	1.00
5.	42.	89.	1.00
5.	41.	89.	1.00
5.	41.	88.	1.00
5.	40.	88.	1.00
5.	39.	88.	1.00
5.	39.	87.	1.00
5.	38.	87.	1.00
5.	38.	86.	1.00
5.	37.	86.	1.00
5.	36.	86.	1.00
5.	36.	85.	1.00
5.	35.	85.	1.00
5.	35.	84.	1.00
5.	34.	84.	1.00
5.	33.	84.	1.00
5.	33.	83.	1.00
5.	32.	83.	1.00
5.	32.	82.	1.00
5.	31.	82.	1.00
5.	30.	82.	1.00
5.	30.	81.	1.00
5.	29.	81.	1.00
5.	29.	80.	1.00
5.	28.	80.	1.00
5.	27.	80.	1.00
5.	27.	79.	1.00
5.	26.	79.	1.00
5.	25.	79.	1.00
5.	25.	78.	1.00
5.	24.	78.	1.00
5.	24.	77.	1.00
5.	23.	77.	1.00
5.	22.	77.	1.00
5.	22.	76.	1.00
5.	21.	76.	1.00
5.	21.	75.	1.00
5.	20.	75.	1.00
5.	19.	75.	1.00
5.	19.	74.	1.00
5.	18.	74.	1.00

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

OBSERVED CONSTANT-HEAD-CELL FLOW DATA

-- TIME OFFSETS ARE MULTIPLIED BY: 1.0000

GROUP NUMBER: 8 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 98
 NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
15	no_chdf0	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	1.	47.	93.	0.19			
	1.	47.	92.	0.31			

BARRIER_LOWK.glo			
1.	48.	92.	0.50
1.	48.	91.	0.50
1.	48.	90.	0.50
1.	49.	90.	0.50
1.	49.	89.	0.50
1.	50.	89.	0.50
1.	50.	88.	0.50
1.	51.	88.	0.50
1.	51.	87.	0.50
1.	51.	86.	0.50
1.	52.	86.	0.50
1.	52.	85.	0.50
1.	53.	85.	0.50
1.	53.	84.	0.50
1.	53.	83.	0.50
1.	54.	83.	0.50
1.	54.	82.	0.50
1.	55.	82.	0.50
1.	55.	81.	0.50
1.	56.	81.	0.50
1.	57.	81.	0.50
1.	58.	81.	0.50
1.	59.	81.	0.50
1.	60.	81.	0.50
1.	61.	81.	0.50
1.	62.	81.	0.50
1.	63.	81.	0.50
1.	64.	81.	0.50
1.	65.	81.	0.50
1.	66.	81.	0.50
1.	67.	81.	0.50
1.	68.	81.	0.50
1.	69.	81.	0.50
1.	70.	81.	0.50
1.	70.	80.	0.50
1.	71.	80.	0.50
1.	72.	80.	0.50
1.	73.	80.	0.50
1.	73.	79.	0.50
1.	73.	78.	0.50
1.	74.	78.	0.50
1.	74.	77.	0.50
1.	74.	76.	0.50
1.	74.	75.	0.50
1.	75.	75.	0.50
1.	75.	74.	0.50
1.	75.	73.	0.50
1.	76.	73.	0.50
1.	76.	72.	0.50
1.	76.	71.	0.50
1.	77.	71.	0.50
1.	77.	70.	0.50
1.	77.	69.	0.50
1.	77.	68.	0.50
1.	77.	67.	0.50
1.	76.	67.	0.50
1.	76.	66.	0.50
1.	75.	66.	0.50
1.	75.	65.	0.50
1.	74.	65.	0.50
1.	73.	65.	0.50
1.	73.	64.	0.50
1.	72.	64.	0.50

BARRIER_LOWK.glo

1.	72.	63.	0.50
1.	72.	62.	0.50
1.	73.	62.	0.50
1.	73.	61.	0.50
1.	74.	61.	0.50
1.	75.	61.	0.50
1.	76.	61.	0.50
1.	76.	60.	0.50
1.	77.	60.	0.50
1.	78.	60.	0.50
1.	78.	59.	0.50
1.	79.	59.	0.50
1.	80.	59.	0.50
1.	81.	59.	0.50
1.	81.	58.	0.50
1.	82.	58.	0.50
1.	83.	58.	0.50
1.	83.	57.	0.50
1.	84.	57.	0.50
1.	84.	56.	0.50
1.	84.	55.	0.50
1.	85.	55.	0.50
1.	85.	54.	0.50
1.	85.	53.	0.50
1.	85.	52.	0.50
1.	85.	51.	0.50
1.	86.	51.	0.50
1.	86.	50.	0.50
1.	86.	49.	0.50
1.	86.	48.	0.50
1.	86.	47.	0.50
1.	87.	47.	0.50
1.	87.	46.	0.04

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

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

GROUP NUMBER: 10 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 11
 NUMBER OF FLOW OBSERVATIONS: 1

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

BARRIER_LOWK.glo

1.	90.	46.	0.50
1.	91.	46.	0.50
1.	92.	46.	0.50
1.	93.	46.	0.50
1.	94.	46.	0.50
1.	95.	46.	0.50
1.	96.	46.	0.50
1.	97.	46.	0.31

GROUP NUMBER: 11 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 42
 NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
18	no_chdf3	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	1.	2.	14.	0.15			
	1.	2.	15.	0.33			
	1.	2.	16.	0.50			
	1.	2.	17.	0.50			
	1.	2.	18.	0.50			
	1.	2.	19.	0.50			
	1.	2.	20.	0.50			
	1.	2.	21.	0.50			
	1.	2.	22.	0.50			
	1.	2.	23.	0.50			
	1.	2.	24.	0.50			
	1.	2.	25.	0.50			
	1.	2.	26.	0.50			
	1.	2.	27.	0.50			
	1.	2.	28.	0.50			
	1.	2.	29.	0.50			
	1.	2.	30.	0.50			
	1.	2.	31.	0.50			
	1.	2.	32.	0.50			
	1.	2.	33.	0.50			
	1.	2.	34.	0.50			
	1.	3.	34.	0.50			
	1.	3.	35.	0.50			
	1.	3.	36.	0.50			
	1.	3.	37.	0.50			
	1.	3.	38.	0.50			
	1.	3.	39.	0.50			
	1.	3.	40.	0.50			
	1.	3.	41.	0.50			
	1.	3.	42.	0.50			
	1.	3.	43.	0.50			
	1.	3.	44.	0.50			
	1.	3.	45.	0.50			
	1.	3.	46.	0.50			
	1.	3.	47.	0.50			
	1.	3.	48.	0.50			
	1.	3.	49.	0.50			
	1.	3.	50.	0.50			
	1.	3.	51.	0.50			
	1.	3.	52.	0.50			
	1.	3.	53.	0.50			
	1.	3.	54.	0.03			

GROUP NUMBER: 12 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 36
 Page 16

NUMBER OF FLOW OBSERVATIONS: 1 BARRIER_LOWK.glo

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
19	no_chdf4	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	1.	2.	14.	0.35			
	1.	2.	15.	0.17			
	1.	3.	15.	0.50			
	1.	4.	15.	0.50			
	1.	4.	16.	0.50			
	1.	5.	16.	0.50			
	1.	6.	16.	0.50			
	1.	6.	17.	0.50			
	1.	7.	17.	0.50			
	1.	8.	17.	0.50			
	1.	8.	18.	0.50			
	1.	9.	18.	0.50			
	1.	9.	19.	0.50			
	1.	10.	19.	0.50			
	1.	11.	19.	0.50			
	1.	11.	20.	0.50			
	1.	12.	20.	0.50			
	1.	13.	20.	0.50			
	1.	13.	21.	0.50			
	1.	14.	21.	0.50			
	1.	15.	21.	0.50			
	1.	15.	22.	0.50			
	1.	16.	22.	0.50			
	1.	17.	22.	0.50			
	1.	17.	23.	0.50			
	1.	18.	23.	0.50			
	1.	18.	24.	0.50			
	1.	19.	24.	0.50			
	1.	20.	24.	0.50			
	1.	20.	25.	0.50			
	1.	21.	25.	0.50			
	1.	22.	25.	0.50			
	1.	22.	26.	0.50			
	1.	23.	26.	0.50			
	1.	24.	26.	0.50			
	1.	24.	27.	0.48			

GROUP NUMBER: 13 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 21
NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
20	no_chdf5	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	1.	87.	36.	0.03			
	1.	88.	36.	0.51			
	1.	88.	37.	0.51			
	1.	89.	37.	0.50			
	1.	89.	38.	0.50			
	1.	90.	38.	0.50			
	1.	90.	39.	0.50			

BARRIER_LOWK.glo

1.	91.	39.	0.50
1.	91.	40.	0.50
1.	92.	40.	0.50
1.	92.	41.	0.50
1.	93.	41.	0.50
1.	93.	42.	0.50
1.	94.	42.	0.50
1.	94.	43.	0.50
1.	95.	43.	0.50
1.	95.	44.	0.50
1.	96.	44.	0.50
1.	96.	45.	0.50
1.	97.	45.	0.50
1.	97.	46.	0.19

GROUP NUMBER: 14 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 49
NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
21	no_chdf6	1	0.000	1.000	0.1000E+20	STD. DEV.	1
	LAYER	ROW	COLUMN	FACTOR			
	1.	18.	74.	0.49			
	1.	19.	74.	0.50			
	1.	19.	75.	0.50			
	1.	20.	75.	0.50			
	1.	21.	75.	0.50			
	1.	21.	76.	0.50			
	1.	22.	76.	0.50			
	1.	22.	77.	0.50			
	1.	23.	77.	0.50			
	1.	24.	77.	0.50			
	1.	24.	78.	0.50			
	1.	25.	78.	0.50			
	1.	25.	79.	0.50			
	1.	26.	79.	0.50			
	1.	27.	79.	0.50			
	1.	27.	80.	0.50			
	1.	28.	80.	0.50			
	1.	29.	80.	0.50			
	1.	29.	81.	0.50			
	1.	30.	81.	0.50			
	1.	30.	82.	0.50			
	1.	31.	82.	0.50			
	1.	32.	82.	0.50			
	1.	32.	83.	0.50			
	1.	33.	83.	0.50			
	1.	33.	84.	0.50			
	1.	34.	84.	0.50			
	1.	35.	84.	0.50			
	1.	35.	85.	0.50			
	1.	36.	85.	0.50			
	1.	36.	86.	0.50			
	1.	37.	86.	0.50			
	1.	38.	86.	0.50			
	1.	38.	87.	0.50			
	1.	39.	87.	0.50			
	1.	39.	88.	0.50			
	1.	40.	88.	0.50			
	1.	41.	88.	0.50			

BARRIER_LOWK.glo

1.	41.	89.	0.50
1.	42.	89.	0.50
1.	42.	90.	0.50
1.	43.	90.	0.50
1.	44.	90.	0.50
1.	44.	91.	0.50
1.	45.	91.	0.50
1.	45.	92.	0.50
1.	46.	92.	0.50
1.	47.	92.	0.19
1.	47.	93.	0.30

GROUP NUMBER: 15 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 28
 NUMBER OF FLOW OBSERVATIONS: 1

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

GROUP NUMBER: 16 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 48
 NUMBER OF FLOW OBSERVATIONS: 1

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

BARRIER_LOWK.glo

1.	26.	27.	0.50
1.	26.	28.	0.50
1.	27.	28.	0.50
1.	27.	29.	0.50
1.	28.	29.	0.50
1.	29.	29.	0.50
1.	29.	30.	0.50
1.	30.	30.	0.50
1.	31.	30.	0.50
1.	32.	30.	0.50
1.	33.	30.	0.50
1.	34.	30.	0.50
1.	35.	30.	0.50
1.	36.	30.	0.50
1.	37.	30.	0.50
1.	38.	30.	0.50
1.	39.	30.	0.50
1.	40.	30.	0.50
1.	41.	30.	0.50
1.	42.	30.	0.50
1.	43.	30.	0.50
1.	44.	30.	0.50
1.	45.	30.	0.50
1.	45.	29.	0.50
1.	46.	29.	0.50
1.	47.	29.	0.50
1.	48.	29.	0.50
1.	49.	29.	0.50
1.	50.	29.	0.50
1.	51.	29.	0.50
1.	52.	29.	0.50
1.	53.	29.	0.50
1.	54.	29.	0.50
1.	55.	29.	0.50
1.	56.	29.	0.50
1.	57.	29.	0.50
1.	58.	29.	0.50
1.	59.	29.	0.50
1.	60.	29.	0.50
1.	61.	29.	0.50
1.	61.	28.	0.50
1.	62.	28.	0.50
1.	63.	28.	0.50
1.	64.	28.	0.50
1.	65.	28.	0.50
1.	66.	28.	0.23

GROUP NUMBER: 17 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 38
 NUMBER OF FLOW OBSERVATIONS: 1

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

LAYER	ROW	COLUMN	FACTOR
1.	3.	54.	0.47
1.	3.	55.	0.50
1.	3.	56.	0.50
1.	3.	57.	0.50
1.	4.	57.	0.50
1.	5.	57.	0.50

BARRIER_LOWK.glo

1.	6.	57.	0.50
1.	7.	57.	0.50
1.	8.	57.	0.50
1.	9.	57.	0.50
1.	10.	57.	0.50
1.	11.	57.	0.50
1.	12.	57.	0.50
1.	13.	57.	0.50
1.	13.	56.	0.50
1.	14.	56.	0.50
1.	15.	56.	0.50
1.	16.	56.	0.50
1.	17.	56.	0.50
1.	17.	57.	0.50
1.	17.	58.	0.50
1.	17.	59.	0.50
1.	17.	60.	0.50
1.	17.	61.	0.50
1.	17.	62.	0.50
1.	17.	63.	0.50
1.	17.	64.	0.50
1.	17.	65.	0.50
1.	17.	66.	0.50
1.	17.	67.	0.50
1.	18.	67.	0.50
1.	18.	68.	0.50
1.	18.	69.	0.50
1.	18.	70.	0.50
1.	18.	71.	0.50
1.	18.	72.	0.50
1.	18.	73.	0.50
1.	18.	74.	0.01

GROUP NUMBER: 18 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 98
NUMBER OF FLOW OBSERVATIONS: 1

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

LAYER	ROW	COLUMN	FACTOR
1.	47.	93.	0.20
1.	47.	92.	0.31
1.	48.	92.	0.50
1.	48.	91.	0.50
1.	48.	90.	0.50
1.	49.	90.	0.50
1.	49.	89.	0.50
1.	50.	89.	0.50
1.	50.	88.	0.50
1.	51.	88.	0.50
1.	51.	87.	0.50
1.	51.	86.	0.50
1.	52.	86.	0.50
1.	52.	85.	0.50
1.	53.	85.	0.50
1.	53.	84.	0.50
1.	53.	83.	0.50
1.	54.	83.	0.50
1.	54.	82.	0.50
1.	55.	82.	0.50

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

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1.	84.	57.	0.50
1.	84.	56.	0.50
1.	84.	55.	0.50
1.	85.	55.	0.50
1.	85.	54.	0.50
1.	85.	53.	0.50
1.	85.	52.	0.50
1.	85.	51.	0.50
1.	86.	51.	0.50
1.	86.	50.	0.50
1.	86.	49.	0.50
1.	86.	48.	0.50
1.	86.	47.	0.50
1.	87.	47.	0.50
1.	87.	46.	0.04

GROUP NUMBER: 19 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 5
 NUMBER OF FLOW OBSERVATIONS: 1

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

GROUP NUMBER: 20 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 11
 NUMBER OF FLOW OBSERVATIONS: 1

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

GROUP NUMBER: 21 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 42
 NUMBER OF FLOW OBSERVATIONS: 1

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

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

GROUP NUMBER: 22 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 36
NUMBER OF FLOW OBSERVATIONS: 1

OBS#	OBSERVATION NAME	REFER. STRESS PERIOD	TIME OFFSET	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	STATISTIC TYPE	PLOT SYM.
29	no_chdf14	1	0.000	1.000	0.1000E+20	STD. DEV.	1

LAYER	ROW	COLUMN	FACTOR
1.	2.	14.	0.35
1.	2.	15.	0.17
1.	3.	15.	0.50
1.	4.	15.	0.50
1.	4.	16.	0.50
1.	5.	16.	0.50
1.	6.	16.	0.50
1.	6.	17.	0.50
1.	7.	17.	0.50

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1.	8.	17.	0.50
1.	8.	18.	0.50
1.	9.	18.	0.50
1.	9.	19.	0.50
1.	10.	19.	0.50
1.	11.	19.	0.50
1.	11.	20.	0.50
1.	12.	20.	0.50
1.	13.	20.	0.50
1.	13.	21.	0.50
1.	14.	21.	0.50
1.	15.	21.	0.50
1.	15.	22.	0.50
1.	16.	22.	0.50
1.	17.	22.	0.50
1.	17.	23.	0.50
1.	18.	23.	0.50
1.	18.	24.	0.50
1.	19.	24.	0.50
1.	20.	24.	0.50
1.	20.	25.	0.50
1.	21.	25.	0.50
1.	22.	25.	0.50
1.	22.	26.	0.50
1.	23.	26.	0.50
1.	24.	26.	0.50
1.	24.	27.	0.48

GROUP NUMBER: 23 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 21
 NUMBER OF FLOW OBSERVATIONS: 1

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

GROUP NUMBER: 24 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 49
 NUMBER OF FLOW OBSERVATIONS: 1

		BARRIER_LOWK.glo					
		REFER.	TIME	OBSERVED	BOUNDARY FLOW	STATISTIC	PLOT
OBS#	OBSERVATION NAME	STRESS PERIOD	OFFSET	GAIN (-) OR LOSS (+)		TYPE	SYM.
31	no_chdf16	1	0.000	1.000	0.1000E+20	STD. DEV.	1

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

GROUP NUMBER: 25 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 28
NUMBER OF FLOW OBSERVATIONS: 1

OBSERVATION	REFER. STRESS	TIME	OBSERVED BOUNDARY FLOW GAIN (-) OR LOSS (+)	STATISTIC	PLOT
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Page 26

OBS#	NAME	PERIOD	OFFSET	LOSS (+)	STATISTIC	TYPE	SYM.
32	no_chdf17	1	0.000	1.000	0.1000E+20	STD. DEV.	1

LAYER	ROW	COLUMN	FACTOR
1.	66.	28.	0.27
1.	66.	29.	0.50
1.	66.	30.	0.50
1.	66.	31.	0.50
1.	66.	32.	0.50
1.	66.	33.	0.50
1.	66.	34.	0.50
1.	66.	35.	0.50
1.	66.	36.	0.50
1.	66.	37.	0.50
1.	67.	37.	0.50
1.	68.	37.	0.50
1.	69.	37.	0.50
1.	70.	37.	0.50
1.	71.	37.	0.50
1.	72.	37.	0.50
1.	72.	36.	0.50
1.	73.	36.	0.50
1.	74.	36.	0.50
1.	75.	36.	0.50
1.	76.	36.	0.50
1.	77.	36.	0.50
1.	78.	36.	0.50
1.	79.	36.	0.50
1.	80.	36.	0.50
1.	81.	36.	0.50
1.	82.	36.	0.49
1.	83.	36.	0.46

GROUP NUMBER: 26 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 48
NUMBER OF FLOW OBSERVATIONS: 1

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

LAYER	ROW	COLUMN	FACTOR
1.	24.	27.	0.02
1.	25.	27.	0.50
1.	26.	27.	0.50
1.	26.	28.	0.50
1.	27.	28.	0.50
1.	27.	29.	0.50
1.	28.	29.	0.50
1.	29.	29.	0.50
1.	29.	30.	0.50
1.	30.	30.	0.50
1.	31.	30.	0.50
1.	32.	30.	0.50
1.	33.	30.	0.50
1.	34.	30.	0.50
1.	35.	30.	0.50
1.	36.	30.	0.50
1.	37.	30.	0.50
1.	38.	30.	0.50
1.	39.	30.	0.50
1.	40.	30.	0.50

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1.	41.	30.	0.50
1.	42.	30.	0.50
1.	43.	30.	0.50
1.	44.	30.	0.50
1.	45.	30.	0.50
1.	45.	29.	0.50
1.	46.	29.	0.50
1.	47.	29.	0.50
1.	48.	29.	0.50
1.	49.	29.	0.50
1.	50.	29.	0.50
1.	51.	29.	0.50
1.	52.	29.	0.50
1.	53.	29.	0.50
1.	54.	29.	0.50
1.	55.	29.	0.50
1.	56.	29.	0.50
1.	57.	29.	0.50
1.	58.	29.	0.50
1.	59.	29.	0.50
1.	60.	29.	0.50
1.	61.	29.	0.50
1.	61.	28.	0.50
1.	62.	28.	0.50
1.	63.	28.	0.50
1.	64.	28.	0.50
1.	65.	28.	0.50
1.	66.	28.	0.23

GROUP NUMBER: 27 BOUNDARY TYPE: CHD NUMBER OF CELLS IN GROUP: 38
 NUMBER OF FLOW OBSERVATIONS: 1

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

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1.	17.	62.	0.50
1.	17.	63.	0.50
1.	17.	64.	0.50
1.	17.	65.	0.50
1.	17.	66.	0.50
1.	17.	67.	0.50
1.	18.	67.	0.50
1.	18.	68.	0.50
1.	18.	69.	0.50
1.	18.	70.	0.50
1.	18.	71.	0.50
1.	18.	72.	0.50
1.	18.	73.	0.50
1.	18.	74.	0.01

SOLUTION BY THE CONJUGATE-GRADIENT METHOD

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

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

0 well parameters

0 Drain parameters

0 Evapotranspiration parameters

0 GHB parameters

0 Recharge parameters

0 TIME-VARIANT SPECIFIED-HEAD PARAMETERS

0 HFB 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

			BARRIER_LOWK.glo			
NAME	RESIDUAL	OBJ FUNC		NAME	RESIDUAL	OBJ FUNC
hed1	-3.42	43.33		hed5	2.54	23.87
hed2	-1.43	7.54		hed4	2.35	20.40
hed3	-0.822	2.50		hed7	0.409	0.62
hed6	-0.686	1.74		no_chdf10	0.133E-13	0.00
no_ghbf1	-0.146E-15	0.00		no_chdf0	0.133E-13	0.00

STATISTICS FOR ALL RESIDUALS :
 AVERAGE WEIGHTED RESIDUAL :-0.312E-01
 # RESIDUALS >= 0. : 26
 # RESIDUALS < 0. : 8
 NUMBER OF RUNS : 6 IN 34 OBSERVATIONS

INTERPRETING THE CALCULATED RUNS STATISTIC VALUE OF -3.30
 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 = 0.551

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

Generally, IF the reported CORRELATION is LESS than the critical value,
 at the selected significance level (usually 5 or 10%), the hypothesis
 that the weighted residuals are INDEPENDENT AND NORMALLY DISTRIBUTED
 would be REJECTED. HOWEVER, in this case, conditions are outside of
 the range of published critical values as discussed below.

The sum of the number of observations and prior information items is 34
 which is less than 35, the minimum value for which critical values are
 published. Therefore, the critical values for the 5 and 10% significance
 levels are less than 0.943 and 0.952, respectively.

CORRELATIONS GREATER than these critical values indicate that, probably, the
 weighted residuals ARE INDEPENDENT AND NORMALLY DISTRIBUTED.

Correlations LESS than these critical values MAY BE ACCEPTABLE, and
 rejection of the hypothesis is not necessarily warranted.

The kolmogorov-Smirnov test can be used to further evaluate the residuals.

BARRIER_LOWK.hfb

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0 0 380
1 47 92 47 93 0.00001
1 46 92 47 92 0.00001
1 47 91 47 92 0.00001
1 48 91 48 92 0.00001
1 48 90 49 90 0.00001
1 49 89 49 90 0.00001
1 49 89 50 89 0.00001
1 50 88 50 89 0.00001
1 50 88 51 88 0.00001
1 50 87 51 87 0.00001
1 51 86 51 87 0.00001
1 51 86 52 86 0.00001
1 52 85 52 86 0.00001
1 52 85 53 85 0.00001
1 53 84 53 85 0.00001
1 53 83 54 83 0.00001
1 54 82 54 83 0.00001
1 54 82 55 82 0.00001
1 55 81 55 82 0.00001
1 62 81 63 81 0.00001
1 63 80 63 81 0.00001
1 64 80 64 81 0.00001
1 65 80 65 81 0.00001
1 66 80 66 81 0.00001
1 67 80 67 81 0.00001
1 68 80 68 81 0.00001
1 69 80 69 81 0.00001
1 70 80 70 81 0.00001
1 72 80 73 80 0.00001
1 72 79 73 79 0.00001
1 73 78 73 79 0.00001
1 73 78 74 78 0.00001
1 73 77 74 77 0.00001
1 74 76 74 77 0.00001
1 74 75 75 75 0.00001
1 75 74 75 75 0.00001
1 75 73 76 73 0.00001
1 76 72 76 73 0.00001
1 76 71 77 71 0.00001
1 76 70 77 70 0.00001
1 76 69 77 69 0.00001
1 76 68 77 68 0.00001
1 76 67 77 67 0.00001
1 76 66 76 67 0.00001
1 75 66 76 66 0.00001
1 75 65 75 66 0.00001
1 74 65 74 66 0.00001
1 73 65 74 65 0.00001
1 73 64 73 65 0.00001
1 72 64 73 64 0.00001
1 72 62 73 62 0.00001
1 73 61 73 62 0.00001
1 74 61 75 61 0.00001
1 75 60 75 61 0.00001
1 76 60 76 61 0.00001
1 76 60 77 60 0.00001
1 77 59 77 60 0.00001
1 78 59 78 60 0.00001
1 79 59 80 59 0.00001
1 80 58 80 59 0.00001
1 81 58 81 59 0.00001
1 82 58 83 58 0.00001
```

BARRIER_LOWK.hfb

1	83	57	83	58	0.00001
1	84	55	85	55	0.00001
1	84	54	85	54	0.00001
1	84	53	85	53	0.00001
1	85	52	85	53	0.00001
1	85	51	86	51	0.00001
1	85	50	86	50	0.00001
1	85	49	86	49	0.00001
1	86	48	86	49	0.00001
1	86	47	87	47	0.00001
1	87	46	87	47	0.00001
1	95	46	96	46	0.00001
1	96	45	96	46	0.00001
1	97	45	97	46	0.00001
2	47	92	47	93	0.00001
2	46	92	47	92	0.00001
2	47	91	47	92	0.00001
2	48	91	48	92	0.00001
2	48	90	49	90	0.00001
2	49	89	49	90	0.00001
2	49	89	50	89	0.00001
2	50	88	50	89	0.00001
2	50	88	51	88	0.00001
2	50	87	51	87	0.00001
2	51	86	51	87	0.00001
2	51	86	52	86	0.00001
2	52	85	52	86	0.00001
2	52	85	53	85	0.00001
2	53	84	53	85	0.00001
2	53	83	54	83	0.00001
2	54	82	54	83	0.00001
2	54	82	55	82	0.00001
2	55	81	55	82	0.00001
2	62	81	63	81	0.00001
2	63	80	63	81	0.00001
2	64	80	64	81	0.00001
2	65	80	65	81	0.00001
2	66	80	66	81	0.00001
2	67	80	67	81	0.00001
2	68	80	68	81	0.00001
2	69	80	69	81	0.00001
2	70	80	70	81	0.00001
2	72	80	73	80	0.00001
2	72	79	73	79	0.00001
2	73	78	73	79	0.00001
2	73	78	74	78	0.00001
2	73	77	74	77	0.00001
2	74	76	74	77	0.00001
2	74	75	75	75	0.00001
2	75	74	75	75	0.00001
2	75	73	76	73	0.00001
2	76	72	76	73	0.00001
2	76	71	77	71	0.00001
2	76	70	77	70	0.00001
2	76	69	77	69	0.00001
2	76	68	77	68	0.00001
2	76	67	77	67	0.00001
2	76	66	76	67	0.00001
2	75	66	76	66	0.00001
2	75	65	75	66	0.00001
2	74	65	74	66	0.00001
2	73	65	74	65	0.00001
2	73	64	73	65	0.00001

BARRIER_LOWK.hfb

2	72	64	73	64	0.00001
2	72	62	73	62	0.00001
2	73	61	73	62	0.00001
2	74	61	75	61	0.00001
2	75	60	75	61	0.00001
2	76	60	76	61	0.00001
2	76	60	77	60	0.00001
2	77	59	77	60	0.00001
2	78	59	78	60	0.00001
2	79	59	80	59	0.00001
2	80	58	80	59	0.00001
2	81	58	81	59	0.00001
2	82	58	83	58	0.00001
2	83	57	83	58	0.00001
2	84	55	85	55	0.00001
2	84	54	85	54	0.00001
2	84	53	85	53	0.00001
2	85	52	85	53	0.00001
2	85	51	86	51	0.00001
2	85	50	86	50	0.00001
2	85	49	86	49	0.00001
2	86	48	86	49	0.00001
2	86	47	87	47	0.00001
2	87	46	87	47	0.00001
2	95	46	96	46	0.00001
2	96	45	96	46	0.00001
2	97	45	97	46	0.00001
3	47	92	47	93	0.00001
3	46	92	47	92	0.00001
3	47	91	47	92	0.00001
3	48	91	48	92	0.00001
3	48	90	49	90	0.00001
3	49	89	49	90	0.00001
3	49	89	50	89	0.00001
3	50	88	50	89	0.00001
3	50	88	51	88	0.00001
3	50	87	51	87	0.00001
3	51	86	51	87	0.00001
3	51	86	52	86	0.00001
3	52	85	52	86	0.00001
3	52	85	53	85	0.00001
3	53	84	53	85	0.00001
3	53	83	54	83	0.00001
3	54	82	54	83	0.00001
3	54	82	55	82	0.00001
3	55	81	55	82	0.00001
3	62	81	63	81	0.00001
3	63	80	63	81	0.00001
3	64	80	64	81	0.00001
3	65	80	65	81	0.00001
3	66	80	66	81	0.00001
3	67	80	67	81	0.00001
3	68	80	68	81	0.00001
3	69	80	69	81	0.00001
3	70	80	70	81	0.00001
3	72	80	73	80	0.00001
3	72	79	73	79	0.00001
3	73	78	73	79	0.00001
3	73	78	74	78	0.00001
3	73	77	74	77	0.00001
3	74	76	74	77	0.00001
3	74	75	75	75	0.00001
3	75	74	75	75	0.00001

BARRIER_LOWK.hfb

3 75 73 76 73 0.00001
3 76 72 76 73 0.00001
3 76 71 77 71 0.00001
3 76 70 77 70 0.00001
3 76 69 77 69 0.00001
3 76 68 77 68 0.00001
3 76 67 77 67 0.00001
3 76 66 76 67 0.00001
3 75 66 76 66 0.00001
3 75 65 75 66 0.00001
3 74 65 74 66 0.00001
3 73 65 74 65 0.00001
3 73 64 73 65 0.00001
3 72 64 73 64 0.00001
3 72 62 73 62 0.00001
3 73 61 73 62 0.00001
3 74 61 75 61 0.00001
3 75 60 75 61 0.00001
3 76 60 76 61 0.00001
3 76 60 77 60 0.00001
3 77 59 77 60 0.00001
3 78 59 78 60 0.00001
3 79 59 80 59 0.00001
3 80 58 80 59 0.00001
3 81 58 81 59 0.00001
3 82 58 83 58 0.00001
3 83 57 83 58 0.00001
3 84 55 85 55 0.00001
3 84 54 85 54 0.00001
3 84 53 85 53 0.00001
3 85 52 85 53 0.00001
3 85 51 86 51 0.00001
3 85 50 86 50 0.00001
3 85 49 86 49 0.00001
3 86 48 86 49 0.00001
3 86 47 87 47 0.00001
3 87 46 87 47 0.00001
3 95 46 96 46 0.00001
3 96 45 96 46 0.00001
3 97 45 97 46 0.00001
4 47 92 47 93 0.00001
4 46 92 47 92 0.00001
4 47 91 47 92 0.00001
4 48 91 48 92 0.00001
4 48 90 49 90 0.00001
4 49 89 49 90 0.00001
4 49 89 50 89 0.00001
4 50 88 50 89 0.00001
4 50 88 51 88 0.00001
4 50 87 51 87 0.00001
4 51 86 51 87 0.00001
4 51 86 52 86 0.00001
4 52 85 52 86 0.00001
4 52 85 53 85 0.00001
4 53 84 53 85 0.00001
4 53 83 54 83 0.00001
4 54 82 54 83 0.00001
4 54 82 55 82 0.00001
4 55 81 55 82 0.00001
4 62 81 63 81 0.00001
4 63 80 63 81 0.00001
4 64 80 64 81 0.00001
4 65 80 65 81 0.00001

BARRIER_LOWK.hfb

4 66 80 66 81 0.00001
4 67 80 67 81 0.00001
4 68 80 68 81 0.00001
4 69 80 69 81 0.00001
4 70 80 70 81 0.00001
4 72 80 73 80 0.00001
4 72 79 73 79 0.00001
4 73 78 73 79 0.00001
4 73 78 74 78 0.00001
4 73 77 74 77 0.00001
4 74 76 74 77 0.00001
4 74 75 75 75 0.00001
4 75 74 75 75 0.00001
4 75 73 76 73 0.00001
4 76 72 76 73 0.00001
4 76 71 77 71 0.00001
4 76 70 77 70 0.00001
4 76 69 77 69 0.00001
4 76 68 77 68 0.00001
4 76 67 77 67 0.00001
4 76 66 76 67 0.00001
4 75 66 76 66 0.00001
4 75 65 75 66 0.00001
4 74 65 74 66 0.00001
4 73 65 74 65 0.00001
4 73 64 73 65 0.00001
4 72 64 73 64 0.00001
4 72 62 73 62 0.00001
4 73 61 73 62 0.00001
4 74 61 75 61 0.00001
4 75 60 75 61 0.00001
4 76 60 76 61 0.00001
4 76 60 77 60 0.00001
4 77 59 77 60 0.00001
4 78 59 78 60 0.00001
4 79 59 80 59 0.00001
4 80 58 80 59 0.00001
4 81 58 81 59 0.00001
4 82 58 83 58 0.00001
4 83 57 83 58 0.00001
4 84 55 85 55 0.00001
4 84 54 85 54 0.00001
4 84 53 85 53 0.00001
4 85 52 85 53 0.00001
4 85 51 86 51 0.00001
4 85 50 86 50 0.00001
4 85 49 86 49 0.00001
4 86 48 86 49 0.00001
4 86 47 87 47 0.00001
4 87 46 87 47 0.00001
4 95 46 96 46 0.00001
4 96 45 96 46 0.00001
4 97 45 97 46 0.00001
5 47 92 47 93 0.00001
5 46 92 47 92 0.00001
5 47 91 47 92 0.00001
5 48 91 48 92 0.00001
5 48 90 49 90 0.00001
5 49 89 49 90 0.00001
5 49 89 50 89 0.00001
5 50 88 50 89 0.00001
5 50 88 51 88 0.00001
5 50 87 51 87 0.00001

BARRIER_LOWK.hfb

5 51 86 51 87 0.00001
5 51 86 52 86 0.00001
5 52 85 52 86 0.00001
5 52 85 53 85 0.00001
5 53 84 53 85 0.00001
5 53 83 54 83 0.00001
5 54 82 54 83 0.00001
5 54 82 55 82 0.00001
5 55 81 55 82 0.00001
5 62 81 63 81 0.00001
5 63 80 63 81 0.00001
5 64 80 64 81 0.00001
5 65 80 65 81 0.00001
5 66 80 66 81 0.00001
5 67 80 67 81 0.00001
5 68 80 68 81 0.00001
5 69 80 69 81 0.00001
5 70 80 70 81 0.00001
5 72 80 73 80 0.00001
5 72 79 73 79 0.00001
5 73 78 73 79 0.00001
5 73 78 74 78 0.00001
5 73 77 74 77 0.00001
5 74 76 74 77 0.00001
5 74 75 75 75 0.00001
5 75 74 75 75 0.00001
5 75 73 76 73 0.00001
5 76 72 76 73 0.00001
5 76 71 77 71 0.00001
5 76 70 77 70 0.00001
5 76 69 77 69 0.00001
5 76 68 77 68 0.00001
5 76 67 77 67 0.00001
5 76 66 76 67 0.00001
5 75 66 76 66 0.00001
5 75 65 75 66 0.00001
5 74 65 74 66 0.00001
5 73 65 74 65 0.00001
5 73 64 73 65 0.00001
5 72 64 73 64 0.00001
5 72 62 73 62 0.00001
5 73 61 73 62 0.00001
5 74 61 75 61 0.00001
5 75 60 75 61 0.00001
5 76 60 76 61 0.00001
5 76 60 77 60 0.00001
5 77 59 77 60 0.00001
5 78 59 78 60 0.00001
5 79 59 80 59 0.00001
5 80 58 80 59 0.00001
5 81 58 81 59 0.00001
5 82 58 83 58 0.00001
5 83 57 83 58 0.00001
5 84 55 85 55 0.00001
5 84 54 85 54 0.00001
5 84 53 85 53 0.00001
5 85 52 85 53 0.00001
5 85 51 86 51 0.00001
5 85 50 86 50 0.00001
5 85 49 86 49 0.00001
5 86 48 86 49 0.00001
5 86 47 87 47 0.00001
5 87 46 87 47 0.00001

BARRIER_LOWK.hfb

5 95 46 96 46 0.00001
5 96 45 96 46 0.00001
5 97 45 97 46 0.00001
0

```

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

```

BARRIER_LOWK.1mt

MF2K-MT3DMS LINKER FILE

#

OUTPUT_FILE_NAME "BARRIER_LOWK.hff"

OUTPUT_FILE_UNIT

OUTPUT_FILE_HEADER standard

OUTPUT_FILE_FORMAT unformatted

BARRIER_LOWK.lpf

```

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

```

```

# MF2K NAME file
#
# Output Files
GLOBAL      1 "BARRIER_LOWK.glo"
LIST        2 "BARRIER_LOWK.out"
DATA(BINARY) 30 "BARRIER_LOWK.hed"
DATA(BINARY) 40 "BARRIER_LOWK.ccf"
LMT6        18 "BARRIER_LOWK.lmt"
#
# Obs-Sen-Pes Process Input Files
OBS         50 "BARRIER_LOWK.obs"
HOB         51 "BARRIER_LOWK.hob"
GBOB        53 "BARRIER_LOWK.gbob"
DROB        54 "BARRIER_LOWK.drob"
CHOB        55 "BARRIER_LOWK.chob"
SEN         57 "BARRIER_LOWK.snn"
PES         58 "BARRIER_LOWK.pes"
ASP         71 "BARRIER_LOWK.asp"
#
# Global Input Files
DIS         19 "BARRIER_LOWK.dis"
#
# Flow Process Input Files
BAS6        3 "BARRIER_LOWK.ba6"
LPF         4 "BARRIER_LOWK.lpf"
OC          15 "BARRIER_LOWK.oc"
RCH         16 "BARRIER_LOWK.rch"
HFB6        7 "BARRIER_LOWK.hfb"
WEL         9 "BARRIER_LOWK.wel"
DRN         10 "BARRIER_LOWK.drn"
GHB         11 "BARRIER_LOWK.ghb"
EVT         12 "BARRIER_LOWK.evt"
CHD         13 "BARRIER_LOWK.chd"
PCG         14 "BARRIER_LOWK.pcg"

```


BARRIER_LOWK 3

BARRIER_LOWK.obs

BARRIER_LOWK.OC

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

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

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

```
#NT-1
#12 December 2007
THE FREE FORMAT OPTION HAS BEEN SELECTED
  6 LAYERS          100 ROWS          100 COLUMNS
  1 STRESS PERIOD(S) IN SIMULATION

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

WEL6 -- WELL PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT    9
#GMS_HDF5_01
No named parameters
MAXIMUM OF      5458 ACTIVE WELLS AT ONE TIME
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT    40
AUXILIARY WELL VARIABLE: IFACE
AUXILIARY WELL VARIABLE: QFACT
AUXILIARY WELL VARIABLE: CELLGRP
      38206 ELEMENTS IN RX ARRAY ARE USED BY WEL

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

EVT6 -- EVAPOTRANSPIRATION PACKAGE, VERSION 6, 12/14/2000
      INPUT READ FROM UNIT    12
#GMS_HDF5_01
No named parameters
OPTION 1 -- EVAPOTRANSPIRATION FROM TOP LAYER
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT    40
      30000 ELEMENTS IN RX ARRAY ARE USED BY EVT
      10000 ELEMENTS IN IR ARRAY ARE USED BY EVT

GHB6 -- GHB PACKAGE, VERSION 6, 1/11/2000 INPUT READ FROM UNIT   11
#GMS_HDF5_01
No named parameters
MAXIMUM OF      263 ACTIVE GHB CELLS AT ONE TIME
CELL-BY-CELL FLOWS WILL BE SAVED ON UNIT    40
AUXILIARY GHB VARIABLE: IFACE
AUXILIARY GHB VARIABLE: CONDFACT
AUXILIARY GHB VARIABLE: CELLGRP
      2104 ELEMENTS IN RX ARRAY ARE USED BY GHB

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

BARRIER_LOWK.out

CHD6 -- TIME-VARIANT SPECIFIED-HEAD PACKAGE, VERSION 6, 1/11/2000

```

INPUT READ FROM UNIT      13

```

#GMS_HDF5_01

No named parameters

MAXIMUM OF 752 TIME-VARIANT SPECIFIED-HEAD CELLS AT ONE TIME

3760 ELEMENTS IN RX ARRAY ARE USED BY CHD

HFB6 -- HORIZONTAL FLOW BARRIER PACKAGE, VERSION 6, 1/11/1000.

INPUT READ FROM UNIT 7

0 PARAMETERS DEFINE A MAXIMUM OF 0 HORIZONTAL FLOW BARRIERS

380 HORIZONTAL FLOW BARRIERS NOT DEFINED BY PARAMETERS

2660 ELEMENTS IN RX ARRAY ARE USED FOR

HORIZONTAL FLOW BARRIER PACKAGE

87234 ELEMENTS OF RX ARRAY USED OUT OF 87234

```
0  ELEMENTS OF RZ ARRAY USED OUT OF      1
```

20030 ELEMENTS OF IR ARRAY USED OUT OF 20030

1

#NT-1

#12 December 2007

	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	99	100			

[illegible]

BARRIER_LOWK.out						
0	0	0	0	0	0	0
2	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	0	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4	0	0	0	0	0	0
0	0	0	0	0	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	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
5	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	0	0	0	0	0	0
0	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
8	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
	1	1	1	1	1	1

BARRIER_LOWK.out

1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
9	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
10	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
11	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
13	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
14	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
15	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
16	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
17	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
18	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
19	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
20	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	1	1	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
21	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
22	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
23	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
28	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
29	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
30	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	1	0	0	0	0
0	0	0	0	0	0	0
31	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	1	0	0	0	0
0	0	0	0	0	0	0
32	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	1	0	0	0	0
0	0	0	0	0	0	0
33	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
34	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	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
35	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	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
36	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	1	1	1	1	1
0	0	0	0	0	0	0
37	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	1	1	1	1	1
0	0	0	0	0	0	0
38	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
39	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

[illegible]

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
43	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
44	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
45	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
46	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
47	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
48	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
49	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
53	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	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
54	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	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
55	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1

[illegible]

			BARRIER_LOWK.out			
	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
62	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
63	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
64	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0			
65	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
66	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
67	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
68	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
69	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
70	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
71	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
72	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	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
73	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
74	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
75	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	1	1
1	1	1	1	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
76	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	1
1	1	1	1	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
77	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
1	1	1	1	0	0	0
1	0	0	0	0	0	0
1	1	1	1	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
78	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
79	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
80	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
81	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
82	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
83	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	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

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
84	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
85	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
0	0	0	0	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
86	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
87	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
88	0	0	0	0	0	0
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0	0	0	0	0	0	0
1	1	1	1	0	0	1
0	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
89	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	0
0	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
90	0	0	0	0	0	0
0	0	0	0	0	0	0

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

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
97	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	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
98	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
99	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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

Page 34

BARRIER_LOWK.out						
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
1	1	1	0	1	1	1
1	1	1	1	1	1	1
0	1	1	1	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

[illegible]

			BARRIER_LOWK.out			
11	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	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
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
14	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
15	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
16	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
17	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
18	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
19	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	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
20	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
21	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
22	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
23	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
1	1	1	0			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
27	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
28	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
29	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
30	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
31	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
32	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
33	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
34	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
35	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
36	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

BARRIER_LOWK.out

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

[illegible]

			BARRIER_LOWK.out			
0	0	0	0			
52	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
53	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
54	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
55	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
56	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
57	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
58	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	1	1			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
59	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
60	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
61	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
62	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
63	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
64	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
65	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
66	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
67	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	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
68	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
69	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
70	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
71	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
72	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
73	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	0	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
74	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	0	0	0	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
75	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	0	0	0	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
76	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	0	0	0	0	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
77	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
1	1	1	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
78	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
79	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
80	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
81	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
82	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
83	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
	1	1	1	1	1	1

BARRIER_LOWK.out

1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
84	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
85	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	1	1	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
86	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
87	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
88	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
0	0	0	0	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
89	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	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

[illegible]

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
93	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
94	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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96	0	0	0	0	0	0

[illegible]

[illegible]

Page 66

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BARRIER_LOWK.out

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			BARRIER_LOWK.out			
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			BARRIER_LOWK.out			
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			BARRIER_LOWK.out			
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BARRIER_LOWK.out

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23	0	0	0	0	0	0
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			BARRIER_LOWK.out			
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BARRIER_LOWK.out

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			BARRIER_LOWK.out			
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1	1	1	1	1	1	1

			BARRIER_LOWK.out			
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1	0	0	0	0	0	0

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
48	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	1	0	0	0	0
49	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
50	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
51	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
52	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
53	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
54	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
58	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
59	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
60	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	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

			BARRIER_LOWK.out			
61	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	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
62	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
63	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
64	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
65	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
66	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
67	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
68	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
69	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
70	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
	1	1	1	1	1	1

BARRIER_LOWK.out

1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
71	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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
72	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
73	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	0	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
74	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	1	0	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
75	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	1	1
1	1	1	1	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
76	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	1
1	1	1	1	1	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
77	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	0	0	0
1	1	1	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
78	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
79	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
80	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
81	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
82	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	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
83	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
84	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
85	0	0	0	0	0	0
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0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
0	0	0	0	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
86	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

BARRIER_LOWK.out

1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
90	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	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
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
91	0	0	0	0	0	0
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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	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
92	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

Page 95

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

-164-

97 91 92 93 94 95 96

Page 99

			BARRIER_LOWK.out			
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0	0	0	0	0	0	0
5	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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7	0	0	0	0	0	0

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
8	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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10	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	0	0	0

BARRIER_LOWK.out

1	1	1	1	1	1	1
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14	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1

			BARRIER_LOWK.out			
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
17	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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19	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
21	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
22	0	0	0	0	0	0
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1	1	1	1	1	1	1
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Page 107

			BARRIER_LOWK.out			
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34	0	0	0	0	0	0
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0	0	0	1	1	1	1
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
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			BARRIER_LOWK.out			
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37	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

[illegible]

Page 111

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
0	0	0	0	0	0	0
43	0	0	0	0	0	0
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1	1	1	1	1	1	1

[illegible]

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54	0	0	0	0	0	0
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			BARRIER_LOWK.out			
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55	0	0	0	0	0	0
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56	0	0	0	0	0	0
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57	0	0	0	0	0	0
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			BARRIER_LOWK.out			
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59	0	0	0	0	0	0
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
60	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
61	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
62	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
63	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
1	1	1	1			
0	1	0	0	0	0	0
0	0	0	0	0	0	0
64	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
65	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
66	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
67	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
68	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
69	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
70	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
71	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
72	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
73	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

[illegible]

			BARRIER_LOWK.out			
	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
80	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
81	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
82	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
83	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	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
84	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
85	0	0	0	0	0	0
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0	0	0	0	0	0	0
1	1	1	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

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
86	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
87	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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88	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
0	0	0	0	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
89	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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91	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
92	0	0	0	0	0	0
0	0	0	0	0	0	0

BARRIER_LOWK.out

	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
99	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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100	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
7	1	2	3	4	5	6
8	11	12	10	13	14	15
17	18	19	20	24	25	16
	21	22	23			26
27	28	29	30	34	35	36
	31	32	33			
37	38	39	40	44	45	46
	41	42	43			
47	48	49	50			

Page 130

	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	99	100			

Page 131

			BARRIER_LOWK.out			
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4	0	0	0	0	0	0
0	0	0	0	0	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5	0	0	0	0	0	0
0	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	0	0	0	0	0	0
0	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
8	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
9	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	0	0
1	1	1	1	1	1	1
1	1	1	1	1	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

BARRIER_LOWK.out						
0	0	0	0	0	0	0
13	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	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
14	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
15	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
16	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
1	1	1	1			
	1	1	1	1	1	1
0	0	0	0	1	1	0
	0	0	0			
0	0	0	0	0	0	0
	0	0	0			
0	0	0	0	0	0	0
	0	0	0			
20	0	0	0	0	0	0
	0	0	0			
0	0	0	0	0	0	0
	0	0	0			
1	1	1	1	0	1	1
	1	1	1			
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	0	0	0			
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	0	0	0			
21	0	0	0	0	0	0
	0	0	0			
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1	1	1	1	1	1	1
	1	1	1			
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	0	0	0			
0	0	0	0	0	0	0
	0	0	0			
0	0	0	0	0	0	0
	0	0	0			
22	0	0	0	0	0	0
	0	0	0			
0	0	0	0	0	0	0
	0	0	0			
0	0	0	0	0	0	0
	0	0	0			
1	1	1	1	0	1	1
	1	1	1			
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
26	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
27	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
28	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

0	0	0	0	0	0	0
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32	0	0	0	0	0	0
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
33	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
34	0	0	0	0	0	0
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
35	0	0	0	0	0	0
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	0	0	0	0	0	0
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0	0	0	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
36	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
37	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
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1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
38	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
39	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
40	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
41	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	1	1	1

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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45	0	0	0	0	0	0
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0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
46	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
47	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

1	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0
51	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
52	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
53	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0

Page 147

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
54	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
0	0	1	1	0	0	0
0	0	0	0	0	0	0
55	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1
0	0	1	0	0	0	0
0	0	0	0	0	0	0
56	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
57	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
58	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
59	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
60	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
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0	0	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
61	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
62	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
63	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	1	1	1
	1	1	1	1	1	1

[illegible]

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
67	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
68	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	1	0	0	0	0	0
0	0	0	0	0	0	0
69	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1

BARRIER_LOWK.out

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0	0	0	0	0	0	0
70	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
71	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
72	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
73	0	0	0	0	0	0
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0	0	0	0	0	0	0
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74	0	0	0	0	0	0
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75	0	0	0	0	0	0
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			BARRIER_LOWK.out			
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76	0	0	0	0	0	0
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77	0	0	0	0	0	0
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0	0	0	0	0	0	0
79	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
81	0	0	0	0	0	0
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82	0	0	0	0	0	0
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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			BARRIER_LOWK.out			
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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
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0	0	0	0	0	0	0
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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
87	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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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
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88	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
0	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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89	0	0	0	0	0	0
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0	0	0	0	0	0	0
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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
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0	0	0	0	0	0	0
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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	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

[illegible]

[illegible]

	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	99	100			

Page 163

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
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4	0	0	0	0	0	0
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5	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	0	0	0	0	0	0
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1	1	1	1	1	0	1
	1	1	1	1	1	1

BARRIER_LOWK.out

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7	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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1	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
8	0	0	0	0	0	0
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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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
9	0	0	0	0	0	0
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1	1	1	1	1	1	1

			BARRIER_LOWK.out			
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
11	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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12	0	0	0	0	0	0
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1	1	1	1	1	1	1

BARRIER_LOWK.out

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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
13	0	0	0	0	0	0
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14	0	0	0	0	0	0
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0	0	0	0	0	0	0

			BARRIER_LOWK.out			
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0	0	0	0	0	0	0
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19	0	0	0	0	0	0
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0	0	0	0	0	0	0

			BARRIER_LOWK.out			
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27	0	0	0	0	0	0
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0	0	0	0	0	0	0
28	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	1	1	1	1	1

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
29	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
30	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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31	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1

BARRIER_LOWK.out

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32	0	0	0	0	0	0
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0	0	0	1	1	1	1
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33	0	0	0	0	0	0
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34	0	0	0	0	0	0
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38	0	0	0	0	0	0
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39	0	0	0	0	0	0
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45	0	0	0	0	0	0
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1	1	1	1	1	1	1
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47	0	0	0	0	0	0
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0	0	0	0	0	0	0

			BARRIER_LOWK.out			
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0	0	1	1	1	1	1
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1	1	1	1	1	1	1
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48	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
49	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	1	1
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1	1	1	1	1	1	1
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50	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	1	1	1	1	1
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51	0	0	0	0	0	0
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0	0	0	0	0	0	0
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52	0	0	0	0	0	0
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
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53	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

			BARRIER_LOWK.out			
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0	0	0	0	0	0	0
60	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	1	1	1	1	1
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1	1	1	1	1	1	1
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
61	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
62	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0

			BARRIER_LOWK.out			
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63	0	0	0	0	0	0
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
64	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
65	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	1	1	1	1	1	1
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1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
66	0	0	0	0	0	0
0	0	0	0	0	0	0

BARRIER_LOWK.out						
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
70	0	0	0	0	0	0
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0	0	0	0	0	0	0
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
71	0	0	0	0	0	0
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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
72	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	0	1

			BARRIER_LOWK.out			
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1	1	1	1	1	1	1
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0	0	0	0	0	0	0
73	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	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
74	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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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
75	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	1

BARRIER_LOWK.out

1	1	1	1	0	1	1
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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
76	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	0	0	1
1	1	1	1	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
77	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
78	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	1	1	0	0	1
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1	1	1	1	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
79	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
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
80	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
81	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	1	1	1
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

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
82	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
83	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
84	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

			BARRIER_LOWK.out			
85	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	1	1	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
86	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
87	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	1
1	1	1	1	1	1	1
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
88	0	0	0	0	0	0
0	0	0	0	0	0	0
	0	0	0	0	0	0

BARRIER_LOWK.out

0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	1
0	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
89	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	1	1	0	0	0
0	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
90	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	1	0	0	0
0	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
91	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

[illegible]

BARRIER_LOWK.out

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

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

OUTPUT CONTROL IS SPECIFIED ONLY AT TIME STEPS FOR WHICH OUTPUT IS DESIRED
 COMPACT CELL-BY-CELL BUDGET FILES WILL BE WRITTEN
 AUXILIARY DATA WILL BE SAVED IN CELL-BY-CELL BUDGET FILES
 HEAD PRINT FORMAT CODE IS 0 DRAWDOWN PRINT FORMAT CODE IS 0
 HEADS WILL BE SAVED ON UNIT 30 DRAWDOWNS WILL BE SAVED ON UNIT 0

380 BARRIERS NOT DEFINED BY PARAMETERS

BARRIER	LAYER	IROW1	ICOL1	IROW2	ICOL2	HYDCHR
1	1	47	92	47	93	0.10000E-04
2	1	46	92	47	92	0.10000E-04
3	1	47	91	47	92	0.10000E-04
4	1	48	91	48	92	0.10000E-04
5	1	48	90	49	90	0.10000E-04
6	1	49	89	49	90	0.10000E-04
7	1	49	89	50	89	0.10000E-04
8	1	50	88	50	89	0.10000E-04
9	1	50	88	51	88	0.10000E-04
10	1	50	87	51	87	0.10000E-04
11	1	51	86	51	87	0.10000E-04
12	1	51	86	52	86	0.10000E-04
13	1	52	85	52	86	0.10000E-04
14	1	52	85	53	85	0.10000E-04
15	1	53	84	53	85	0.10000E-04
16	1	53	83	54	83	0.10000E-04
17	1	54	82	54	83	0.10000E-04
18	1	54	82	55	82	0.10000E-04
19	1	55	81	55	82	0.10000E-04
20	1	62	81	63	81	0.10000E-04
21	1	63	80	63	81	0.10000E-04
22	1	64	80	64	81	0.10000E-04
23	1	65	80	65	81	0.10000E-04
24	1	66	80	66	81	0.10000E-04
25	1	67	80	67	81	0.10000E-04
26	1	68	80	68	81	0.10000E-04
27	1	69	80	69	81	0.10000E-04
28	1	70	80	70	81	0.10000E-04
29	1	72	80	73	80	0.10000E-04
30	1	72	79	73	79	0.10000E-04
31	1	73	78	73	79	0.10000E-04
32	1	73	78	74	78	0.10000E-04
33	1	73	77	74	77	0.10000E-04
34	1	74	76	74	77	0.10000E-04
35	1	74	75	75	75	0.10000E-04
36	1	75	74	75	75	0.10000E-04
37	1	75	73	76	73	0.10000E-04
38	1	76	72	76	73	0.10000E-04
39	1	76	71	77	71	0.10000E-04
40	1	76	70	77	70	0.10000E-04
41	1	76	69	77	69	0.10000E-04
42	1	76	68	77	68	0.10000E-04
43	1	76	67	77	67	0.10000E-04
44	1	76	66	76	67	0.10000E-04
45	1	75	66	76	66	0.10000E-04
46	1	75	65	75	66	0.10000E-04
47	1	74	65	74	66	0.10000E-04

Page 195

BARRIER_LOWK.out					
48	1	73	65	74	65 0.10000E-04
49	1	73	64	73	65 0.10000E-04
50	1	72	64	73	64 0.10000E-04
51	1	72	62	73	62 0.10000E-04
52	1	73	61	73	62 0.10000E-04
53	1	74	61	75	61 0.10000E-04
54	1	75	60	75	61 0.10000E-04
55	1	76	60	76	61 0.10000E-04
56	1	76	60	77	60 0.10000E-04
57	1	77	59	77	60 0.10000E-04
58	1	78	59	78	60 0.10000E-04
59	1	79	59	80	59 0.10000E-04
60	1	80	58	80	59 0.10000E-04
61	1	81	58	81	59 0.10000E-04
62	1	82	58	83	58 0.10000E-04
63	1	83	57	83	58 0.10000E-04
64	1	84	55	85	55 0.10000E-04
65	1	84	54	85	54 0.10000E-04
66	1	84	53	85	53 0.10000E-04
67	1	85	52	85	53 0.10000E-04
68	1	85	51	86	51 0.10000E-04
69	1	85	50	86	50 0.10000E-04
70	1	85	49	86	49 0.10000E-04
71	1	86	48	86	49 0.10000E-04
72	1	86	47	87	47 0.10000E-04
73	1	87	46	87	47 0.10000E-04
74	1	95	46	96	46 0.10000E-04
75	1	96	45	96	46 0.10000E-04
76	1	97	45	97	46 0.10000E-04
77	2	47	92	47	93 0.10000E-04
78	2	46	92	47	92 0.10000E-04
79	2	47	91	47	92 0.10000E-04
80	2	48	91	48	92 0.10000E-04
81	2	48	90	49	90 0.10000E-04
82	2	49	89	49	90 0.10000E-04
83	2	49	89	50	89 0.10000E-04
84	2	50	88	50	89 0.10000E-04
85	2	50	88	51	88 0.10000E-04
86	2	50	87	51	87 0.10000E-04
87	2	51	86	51	87 0.10000E-04
88	2	51	86	52	86 0.10000E-04
89	2	52	85	52	86 0.10000E-04
90	2	52	85	53	85 0.10000E-04
91	2	53	84	53	85 0.10000E-04
92	2	53	83	54	83 0.10000E-04
93	2	54	82	54	83 0.10000E-04
94	2	54	82	55	82 0.10000E-04
95	2	55	81	55	82 0.10000E-04
96	2	62	81	63	81 0.10000E-04
97	2	63	80	63	81 0.10000E-04
98	2	64	80	64	81 0.10000E-04
99	2	65	80	65	81 0.10000E-04
100	2	66	80	66	81 0.10000E-04
101	2	67	80	67	81 0.10000E-04
102	2	68	80	68	81 0.10000E-04
103	2	69	80	69	81 0.10000E-04
104	2	70	80	70	81 0.10000E-04
105	2	72	80	73	80 0.10000E-04
106	2	72	79	73	79 0.10000E-04
107	2	73	78	73	79 0.10000E-04
108	2	73	78	74	78 0.10000E-04
109	2	73	77	74	77 0.10000E-04
110	2	74	76	74	77 0.10000E-04

				BARRIER_LOWK.out		
111	2	74	75	75	75	0.10000E-04
112	2	75	74	75	75	0.10000E-04
113	2	75	73	76	73	0.10000E-04
114	2	76	72	76	73	0.10000E-04
115	2	76	71	77	71	0.10000E-04
116	2	76	70	77	70	0.10000E-04
117	2	76	69	77	69	0.10000E-04
118	2	76	68	77	68	0.10000E-04
119	2	76	67	77	67	0.10000E-04
120	2	76	66	76	67	0.10000E-04
121	2	75	66	76	66	0.10000E-04
122	2	75	65	75	66	0.10000E-04
123	2	74	65	74	66	0.10000E-04
124	2	73	65	74	65	0.10000E-04
125	2	73	64	73	65	0.10000E-04
126	2	72	64	73	64	0.10000E-04
127	2	72	62	73	62	0.10000E-04
128	2	73	61	73	62	0.10000E-04
129	2	74	61	75	61	0.10000E-04
130	2	75	60	75	61	0.10000E-04
131	2	76	60	76	61	0.10000E-04
132	2	76	60	77	60	0.10000E-04
133	2	77	59	77	60	0.10000E-04
134	2	78	59	78	60	0.10000E-04
135	2	79	59	80	59	0.10000E-04
136	2	80	58	80	59	0.10000E-04
137	2	81	58	81	59	0.10000E-04
138	2	82	58	83	58	0.10000E-04
139	2	83	57	83	58	0.10000E-04
140	2	84	55	85	55	0.10000E-04
141	2	84	54	85	54	0.10000E-04
142	2	84	53	85	53	0.10000E-04
143	2	85	52	85	53	0.10000E-04
144	2	85	51	86	51	0.10000E-04
145	2	85	50	86	50	0.10000E-04
146	2	85	49	86	49	0.10000E-04
147	2	86	48	86	49	0.10000E-04
148	2	86	47	87	47	0.10000E-04
149	2	87	46	87	47	0.10000E-04
150	2	95	46	96	46	0.10000E-04
151	2	96	45	96	46	0.10000E-04
152	2	97	45	97	46	0.10000E-04
153	3	47	92	47	93	0.10000E-04
154	3	46	92	47	92	0.10000E-04
155	3	47	91	47	92	0.10000E-04
156	3	48	91	48	92	0.10000E-04
157	3	48	90	49	90	0.10000E-04
158	3	49	89	49	90	0.10000E-04
159	3	49	89	50	89	0.10000E-04
160	3	50	88	50	89	0.10000E-04
161	3	50	88	51	88	0.10000E-04
162	3	50	87	51	87	0.10000E-04
163	3	51	86	51	87	0.10000E-04
164	3	51	86	52	86	0.10000E-04
165	3	52	85	52	86	0.10000E-04
166	3	52	85	53	85	0.10000E-04
167	3	53	84	53	85	0.10000E-04
168	3	53	83	54	83	0.10000E-04
169	3	54	82	54	83	0.10000E-04
170	3	54	82	55	82	0.10000E-04
171	3	55	81	55	82	0.10000E-04
172	3	62	81	63	81	0.10000E-04
173	3	63	80	63	81	0.10000E-04

				BARRIER_LOWK.out	
174	3	64	80	64	81 0.10000E-04
175	3	65	80	65	81 0.10000E-04
176	3	66	80	66	81 0.10000E-04
177	3	67	80	67	81 0.10000E-04
178	3	68	80	68	81 0.10000E-04
179	3	69	80	69	81 0.10000E-04
180	3	70	80	70	81 0.10000E-04
181	3	72	80	73	80 0.10000E-04
182	3	72	79	73	79 0.10000E-04
183	3	73	78	73	79 0.10000E-04
184	3	73	78	74	78 0.10000E-04
185	3	73	77	74	77 0.10000E-04
186	3	74	76	74	77 0.10000E-04
187	3	74	75	75	75 0.10000E-04
188	3	75	74	75	75 0.10000E-04
189	3	75	73	76	73 0.10000E-04
190	3	76	72	76	73 0.10000E-04
191	3	76	71	77	71 0.10000E-04
192	3	76	70	77	70 0.10000E-04
193	3	76	69	77	69 0.10000E-04
194	3	76	68	77	68 0.10000E-04
195	3	76	67	77	67 0.10000E-04
196	3	76	66	76	67 0.10000E-04
197	3	75	66	76	66 0.10000E-04
198	3	75	65	75	66 0.10000E-04
199	3	74	65	74	66 0.10000E-04
200	3	73	65	74	65 0.10000E-04
201	3	73	64	73	65 0.10000E-04
202	3	72	64	73	64 0.10000E-04
203	3	72	62	73	62 0.10000E-04
204	3	73	61	73	62 0.10000E-04
205	3	74	61	75	61 0.10000E-04
206	3	75	60	75	61 0.10000E-04
207	3	76	60	76	61 0.10000E-04
208	3	76	60	77	60 0.10000E-04
209	3	77	59	77	60 0.10000E-04
210	3	78	59	78	60 0.10000E-04
211	3	79	59	80	59 0.10000E-04
212	3	80	58	80	59 0.10000E-04
213	3	81	58	81	59 0.10000E-04
214	3	82	58	83	58 0.10000E-04
215	3	83	57	83	58 0.10000E-04
216	3	84	55	85	55 0.10000E-04
217	3	84	54	85	54 0.10000E-04
218	3	84	53	85	53 0.10000E-04
219	3	85	52	85	53 0.10000E-04
220	3	85	51	86	51 0.10000E-04
221	3	85	50	86	50 0.10000E-04
222	3	85	49	86	49 0.10000E-04
223	3	86	48	86	49 0.10000E-04
224	3	86	47	87	47 0.10000E-04
225	3	87	46	87	47 0.10000E-04
226	3	95	46	96	46 0.10000E-04
227	3	96	45	96	46 0.10000E-04
228	3	97	45	97	46 0.10000E-04
229	4	47	92	47	93 0.10000E-04
230	4	46	92	47	92 0.10000E-04
231	4	47	91	47	92 0.10000E-04
232	4	48	91	48	92 0.10000E-04
233	4	48	90	49	90 0.10000E-04
234	4	49	89	49	90 0.10000E-04
235	4	49	89	50	89 0.10000E-04
236	4	50	88	50	89 0.10000E-04

BARRIER_LOWK.out						
237	4	50	88	51	88	0.10000E-04
238	4	50	87	51	87	0.10000E-04
239	4	51	86	51	87	0.10000E-04
240	4	51	86	52	86	0.10000E-04
241	4	52	85	52	86	0.10000E-04
242	4	52	85	53	85	0.10000E-04
243	4	53	84	53	85	0.10000E-04
244	4	53	83	54	83	0.10000E-04
245	4	54	82	54	83	0.10000E-04
246	4	54	82	55	82	0.10000E-04
247	4	55	81	55	82	0.10000E-04
248	4	62	81	63	81	0.10000E-04
249	4	63	80	63	81	0.10000E-04
250	4	64	80	64	81	0.10000E-04
251	4	65	80	65	81	0.10000E-04
252	4	66	80	66	81	0.10000E-04
253	4	67	80	67	81	0.10000E-04
254	4	68	80	68	81	0.10000E-04
255	4	69	80	69	81	0.10000E-04
256	4	70	80	70	81	0.10000E-04
257	4	72	80	73	80	0.10000E-04
258	4	72	79	73	79	0.10000E-04
259	4	73	78	73	79	0.10000E-04
260	4	73	78	74	78	0.10000E-04
261	4	73	77	74	77	0.10000E-04
262	4	74	76	74	77	0.10000E-04
263	4	74	75	75	75	0.10000E-04
264	4	75	74	75	75	0.10000E-04
265	4	75	73	76	73	0.10000E-04
266	4	76	72	76	73	0.10000E-04
267	4	76	71	77	71	0.10000E-04
268	4	76	70	77	70	0.10000E-04
269	4	76	69	77	69	0.10000E-04
270	4	76	68	77	68	0.10000E-04
271	4	76	67	77	67	0.10000E-04
272	4	76	66	76	67	0.10000E-04
273	4	75	66	76	66	0.10000E-04
274	4	75	65	75	66	0.10000E-04
275	4	74	65	74	66	0.10000E-04
276	4	73	65	74	65	0.10000E-04
277	4	73	64	73	65	0.10000E-04
278	4	72	64	73	64	0.10000E-04
279	4	72	62	73	62	0.10000E-04
280	4	73	61	73	62	0.10000E-04
281	4	74	61	75	61	0.10000E-04
282	4	75	60	75	61	0.10000E-04
283	4	76	60	76	61	0.10000E-04
284	4	76	60	77	60	0.10000E-04
285	4	77	59	77	60	0.10000E-04
286	4	78	59	78	60	0.10000E-04
287	4	79	59	80	59	0.10000E-04
288	4	80	58	80	59	0.10000E-04
289	4	81	58	81	59	0.10000E-04
290	4	82	58	83	58	0.10000E-04
291	4	83	57	83	58	0.10000E-04
292	4	84	55	85	55	0.10000E-04
293	4	84	54	85	54	0.10000E-04
294	4	84	53	85	53	0.10000E-04
295	4	85	52	85	53	0.10000E-04
296	4	85	51	86	51	0.10000E-04
297	4	85	50	86	50	0.10000E-04
298	4	85	49	86	49	0.10000E-04
299	4	86	48	86	49	0.10000E-04

BARRIER_LOWK.out					
300	4	86	47	87	0.10000E-04
301	4	87	46	87	0.10000E-04
302	4	95	46	96	0.10000E-04
303	4	96	45	96	0.10000E-04
304	4	97	45	97	0.10000E-04
305	5	47	92	47	0.10000E-04
306	5	46	92	47	0.10000E-04
307	5	47	91	47	0.10000E-04
308	5	48	91	48	0.10000E-04
309	5	48	90	49	0.10000E-04
310	5	49	89	49	0.10000E-04
311	5	49	89	50	0.10000E-04
312	5	50	88	50	0.10000E-04
313	5	50	88	51	0.10000E-04
314	5	50	87	51	0.10000E-04
315	5	51	86	51	0.10000E-04
316	5	51	86	52	0.10000E-04
317	5	52	85	52	0.10000E-04
318	5	52	85	53	0.10000E-04
319	5	53	84	53	0.10000E-04
320	5	53	83	54	0.10000E-04
321	5	54	82	54	0.10000E-04
322	5	54	82	55	0.10000E-04
323	5	55	81	55	0.10000E-04
324	5	62	81	63	0.10000E-04
325	5	63	80	63	0.10000E-04
326	5	64	80	64	0.10000E-04
327	5	65	80	65	0.10000E-04
328	5	66	80	66	0.10000E-04
329	5	67	80	67	0.10000E-04
330	5	68	80	68	0.10000E-04
331	5	69	80	69	0.10000E-04
332	5	70	80	70	0.10000E-04
333	5	72	80	73	0.10000E-04
334	5	72	79	73	0.10000E-04
335	5	73	78	73	0.10000E-04
336	5	73	78	74	0.10000E-04
337	5	73	77	74	0.10000E-04
338	5	74	76	74	0.10000E-04
339	5	74	75	75	0.10000E-04
340	5	75	74	75	0.10000E-04
341	5	75	73	76	0.10000E-04
342	5	76	72	76	0.10000E-04
343	5	76	71	77	0.10000E-04
344	5	76	70	77	0.10000E-04
345	5	76	69	77	0.10000E-04
346	5	76	68	77	0.10000E-04
347	5	76	67	77	0.10000E-04
348	5	76	66	76	0.10000E-04
349	5	75	66	76	0.10000E-04
350	5	75	65	75	0.10000E-04
351	5	74	65	74	0.10000E-04
352	5	73	65	74	0.10000E-04
353	5	73	64	73	0.10000E-04
354	5	72	64	73	0.10000E-04
355	5	72	62	73	0.10000E-04
356	5	73	61	73	0.10000E-04
357	5	74	61	75	0.10000E-04
358	5	75	60	75	0.10000E-04
359	5	76	60	76	0.10000E-04
360	5	76	60	77	0.10000E-04
361	5	77	59	77	0.10000E-04
362	5	78	59	78	0.10000E-04

BARRIER_LOWK.out

363	5	79	59	80	59	0.10000E-04
364	5	80	58	80	59	0.10000E-04
365	5	81	58	81	59	0.10000E-04
366	5	82	58	83	58	0.10000E-04
367	5	83	57	83	58	0.10000E-04
368	5	84	55	85	55	0.10000E-04
369	5	84	54	85	54	0.10000E-04
370	5	84	53	85	53	0.10000E-04
371	5	85	52	85	53	0.10000E-04
372	5	85	51	86	51	0.10000E-04
373	5	85	50	86	50	0.10000E-04
374	5	85	49	86	49	0.10000E-04
375	5	86	48	86	49	0.10000E-04
376	5	86	47	87	47	0.10000E-04
377	5	87	46	87	47	0.10000E-04
378	5	95	46	96	46	0.10000E-04
379	5	96	45	96	46	0.10000E-04
380	5	97	45	97	46	0.10000E-04

380 HFB BARRIERS

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. CELLGRP	LAYER	ROW	COL	STRESS RATE	IFACE	QFACT
1	5	45	55	-3100.	0.000	1.000
1.000	2	5	86	0.000	0.000	1.000
2.000	3	5	86	0.000	0.000	1.000
3.000	4	5	86	0.000	0.000	1.000
4.000	5	5	86	0.000	0.000	1.000
5.000	6	5	86	0.000	0.000	1.000
6.000	7	5	85	0.000	0.000	1.000
7.000	8	5	85	0.000	0.000	1.000
8.000	9	5	85	0.000	0.000	1.000
9.000	10	5	85	0.000	0.000	1.000
10.00	11	5	85	0.000	0.000	1.000
11.00	12	5	85	0.000	0.000	1.000
12.00	13	5	85	0.000	0.000	1.000
13.00	14	5	85	0.000	0.000	1.000
14.00						

				BARRIER_LOWK.out		
15.00	15	5	85	48	0.000	1.000
16.00	16	5	85	47	0.000	1.000
17.00	17	5	85	45	0.000	1.000
18.00	18	5	85	52	0.000	1.000
19.00	19	5	85	50	0.000	1.000
20.00	20	5	85	49	0.000	1.000
21.00	21	5	85	47	0.000	1.000
22.00	22	5	85	46	0.000	1.000
23.00	23	5	85	44	0.000	1.000
24.00	24	5	84	51	0.000	1.000
25.00	25	5	84	50	0.000	1.000
26.00	26	5	84	48	0.000	1.000
27.00	27	5	84	47	0.000	1.000
28.00	28	5	84	45	0.000	1.000
29.00	29	5	84	52	0.000	1.000
30.00	30	5	84	50	0.000	1.000
31.00	31	5	84	49	0.000	1.000
32.00	32	5	84	47	0.000	1.000
33.00	33	5	84	46	0.000	1.000
34.00	34	5	84	44	0.000	1.000
35.00	35	5	84	51	0.000	1.000
36.00	36	5	84	50	0.000	1.000
37.00	37	5	84	48	0.000	1.000
38.00	38	5	84	47	0.000	1.000
39.00	39	5	84	45	0.000	1.000
40.00	40	5	83	52	0.000	1.000
41.00	41	5	83	50	0.000	1.000
42.00	42	5	83	49	0.000	1.000
43.00	43	5	83	47	0.000	1.000
44.00	44	5	83	46	0.000	1.000
45.00	45	5	83	44	0.000	1.000
	46	5	83	51	0.000	1.000

BARRIER_LOWK.out						
46.00						
47.00	47	5	83	50	0.000	1.000
48.00	48	5	83	48	0.000	1.000
49.00	49	5	83	47	0.000	1.000
50.00	50	5	83	45	0.000	1.000
51.00	51	5	83	43	0.000	1.000
52.00	52	5	82	52	0.000	1.000
53.00	53	5	82	50	0.000	1.000
54.00	54	5	82	49	0.000	1.000
55.00	55	5	82	47	0.000	1.000
56.00	56	5	82	46	0.000	1.000
57.00	57	5	82	44	0.000	1.000
58.00	58	5	82	51	0.000	1.000
59.00	59	5	82	50	0.000	1.000
60.00	60	5	82	48	0.000	1.000
61.00	61	5	82	47	0.000	1.000
62.00	62	5	82	45	0.000	1.000
63.00	63	5	82	43	0.000	1.000
64.00	64	5	82	52	0.000	1.000
65.00	65	5	82	50	0.000	1.000
66.00	66	5	82	49	0.000	1.000
67.00	67	5	82	47	0.000	1.000
68.00	68	5	82	46	0.000	1.000
69.00	69	5	82	44	0.000	1.000
70.00	70	5	81	51	0.000	1.000
71.00	71	5	81	50	0.000	1.000
72.00	72	5	81	48	0.000	1.000
73.00	73	5	81	47	0.000	1.000
74.00	74	5	81	45	0.000	1.000
75.00	75	5	81	43	0.000	1.000
76.00	76	5	81	52	0.000	1.000
77.00	77	5	81	50	0.000	1.000

				BARRIER_LOWK.out		
78	5	81	49	0.000	0.000	1.000
78.00						
79	5	81	47	0.000	0.000	1.000
79.00						
80	5	81	46	0.000	0.000	1.000
80.00						
81	5	81	44	0.000	0.000	1.000
81.00						
82	5	81	51	0.000	0.000	1.000
82.00						
83	5	81	50	0.000	0.000	1.000
83.00						
84	5	81	48	0.000	0.000	1.000
84.00						
85	5	81	47	0.000	0.000	1.000
85.00						
86	5	81	45	0.000	0.000	1.000
86.00						
87	5	81	43	0.000	0.000	1.000
87.00						
88	5	80	50	0.000	0.000	1.000
88.00						
89	5	80	49	0.000	0.000	1.000
89.00						
90	5	80	47	0.000	0.000	1.000
90.00						
91	5	80	46	0.000	0.000	1.000
91.00						
92	5	80	44	0.000	0.000	1.000
92.00						
93	5	80	43	0.000	0.000	1.000
93.00						
94	5	80	51	0.000	0.000	1.000
94.00						
95	5	80	50	0.000	0.000	1.000
95.00						
96	5	80	48	0.000	0.000	1.000
96.00						
97	5	80	47	0.000	0.000	1.000
97.00						
98	5	80	45	0.000	0.000	1.000
98.00						
99	5	80	43	0.000	0.000	1.000
99.00						
100	5	79	50	0.000	0.000	1.000
100.0						
101	5	79	49	0.000	0.000	1.000
101.0						
102	5	79	47	0.000	0.000	1.000
102.0						
103	5	79	46	0.000	0.000	1.000
103.0						
104	5	79	44	0.000	0.000	1.000
104.0						
105	5	79	43	0.000	0.000	1.000
105.0						
106	5	79	51	0.000	0.000	1.000
106.0						
107	5	79	50	0.000	0.000	1.000
107.0						
108	5	79	48	0.000	0.000	1.000
108.0						
109	5	79	47	0.000	0.000	1.000

BARRIER_LOWK.out						
109.0						
110.0	5	79	45	0.000	0.000	1.000
111.0	5	79	43	0.000	0.000	1.000
112.0	5	79	50	0.000	0.000	1.000
113.0	5	79	49	0.000	0.000	1.000
114.0	5	79	47	0.000	0.000	1.000
115.0	5	79	46	0.000	0.000	1.000
116.0	5	79	44	0.000	0.000	1.000
117.0	5	79	43	0.000	0.000	1.000
118.0	5	78	50	0.000	0.000	1.000
119.0	5	78	48	0.000	0.000	1.000
120.0	5	78	47	0.000	0.000	1.000
121.0	5	78	45	0.000	0.000	1.000
122.0	5	78	43	0.000	0.000	1.000
123.0	5	78	50	0.000	0.000	1.000
124.0	5	78	49	0.000	0.000	1.000
125.0	5	78	47	0.000	0.000	1.000
126.0	5	78	46	0.000	0.000	1.000
127.0	5	78	44	0.000	0.000	1.000
128.0	5	78	43	0.000	0.000	1.000
129.0	5	78	50	0.000	0.000	1.000
130.0	5	78	48	0.000	0.000	1.000
131.0	5	78	47	0.000	0.000	1.000
132.0	5	78	45	0.000	0.000	1.000
133.0	5	78	43	0.000	0.000	1.000
134.0	5	77	50	0.000	0.000	1.000
135.0	5	77	49	0.000	0.000	1.000
136.0	5	77	47	0.000	0.000	1.000
137.0	5	77	46	0.000	0.000	1.000
138.0	5	77	44	0.000	0.000	1.000
139.0	5	77	43	0.000	0.000	1.000
140.0	5	77	50	0.000	0.000	1.000

				BARRIER_LOWK.out		
141.0	141	5	77	48	0.000	1.000
142.0	142	5	77	47	0.000	1.000
143.0	143	5	77	45	0.000	1.000
144.0	144	5	77	43	0.000	1.000
145.0	145	5	77	42	0.000	1.000
146.0	146	5	76	49	0.000	1.000
147.0	147	5	76	47	0.000	1.000
148.0	148	5	76	46	0.000	1.000
149.0	149	5	76	44	0.000	1.000
150.0	150	5	76	43	0.000	1.000
151.0	151	5	76	50	0.000	1.000
152.0	152	5	76	48	0.000	1.000
153.0	153	5	76	47	0.000	1.000
154.0	154	5	76	45	0.000	1.000
155.0	155	5	76	43	0.000	1.000
156.0	156	5	76	42	0.000	1.000
157.0	157	5	76	49	0.000	1.000
158.0	158	5	76	47	0.000	1.000
159.0	159	5	76	46	0.000	1.000
160.0	160	5	76	44	0.000	1.000
161.0	161	5	76	43	0.000	1.000
162.0	162	5	75	50	0.000	1.000
163.0	163	5	75	48	0.000	1.000
164.0	164	5	75	47	0.000	1.000
165.0	165	5	75	45	0.000	1.000
166.0	166	5	75	43	0.000	1.000
167.0	167	5	75	42	0.000	1.000
168.0	168	5	75	49	0.000	1.000
169.0	169	5	75	47	0.000	1.000
170.0	170	5	75	46	0.000	1.000
171.0	171	5	75	44	0.000	1.000
172.0	172	5	75	43	0.000	1.000

BARRIER_LOWK.out						
172.0						
173.0	5	75	48	0.000	0.000	1.000
174.0	5	75	47	0.000	0.000	1.000
175.0	5	75	45	0.000	0.000	1.000
176.0	5	75	43	0.000	0.000	1.000
177.0	5	75	42	0.000	0.000	1.000
178.0	5	74	49	0.000	0.000	1.000
179.0	5	74	47	0.000	0.000	1.000
180.0	5	74	46	0.000	0.000	1.000
181.0	5	74	44	0.000	0.000	1.000
182.0	5	74	43	0.000	0.000	1.000
183.0	5	74	48	0.000	0.000	1.000
184.0	5	74	47	0.000	0.000	1.000
185.0	5	74	45	0.000	0.000	1.000
186.0	5	74	43	0.000	0.000	1.000
187.0	5	74	42	0.000	0.000	1.000
188.0	5	73	47	0.000	0.000	1.000
189.0	5	73	46	0.000	0.000	1.000
190.0	5	73	44	0.000	0.000	1.000
191.0	5	73	43	0.000	0.000	1.000
192.0	5	73	48	0.000	0.000	1.000
193.0	5	73	47	0.000	0.000	1.000
194.0	5	73	45	0.000	0.000	1.000
195.0	5	73	43	0.000	0.000	1.000
196.0	5	73	42	0.000	0.000	1.000
197.0	5	73	47	0.000	0.000	1.000
198.0	5	73	46	0.000	0.000	1.000
199.0	5	73	44	0.000	0.000	1.000
200.0	5	73	43	0.000	0.000	1.000
201.0	5	72	48	0.000	0.000	1.000
202.0	5	72	47	0.000	0.000	1.000
203.0	5	72	45	0.000	0.000	1.000

				BARRIER_LOWK.out		
204	5	72	43	0.000	0.000	1.000
204.0						
205	5	72	42	0.000	0.000	1.000
205.0						
206	5	72	60	0.000	0.000	1.000
206.0						
207	5	72	58	0.000	0.000	1.000
207.0						
208	5	72	57	0.000	0.000	1.000
208.0						
209	5	72	55	0.000	0.000	1.000
209.0						
210	5	72	54	0.000	0.000	1.000
210.0						
211	5	72	47	0.000	0.000	1.000
211.0						
212	5	72	46	0.000	0.000	1.000
212.0						
213	5	72	44	0.000	0.000	1.000
213.0						
214	5	72	43	0.000	0.000	1.000
214.0						
215	5	72	41	0.000	0.000	1.000
215.0						
216	5	72	59	0.000	0.000	1.000
216.0						
217	5	72	57	0.000	0.000	1.000
217.0						
218	5	72	56	0.000	0.000	1.000
218.0						
219	5	72	54	0.000	0.000	1.000
219.0						
220	5	72	53	0.000	0.000	1.000
220.0						
221	5	72	47	0.000	0.000	1.000
221.0						
222	5	72	45	0.000	0.000	1.000
222.0						
223	5	72	43	0.000	0.000	1.000
223.0						
224	5	72	42	0.000	0.000	1.000
224.0						
225	5	71	58	0.000	0.000	1.000
225.0						
226	5	71	57	0.000	0.000	1.000
226.0						
227	5	71	55	0.000	0.000	1.000
227.0						
228	5	71	54	0.000	0.000	1.000
228.0						
229	5	71	47	0.000	0.000	1.000
229.0						
230	5	71	46	0.000	0.000	1.000
230.0						
231	5	71	44	0.000	0.000	1.000
231.0						
232	5	71	43	0.000	0.000	1.000
232.0						
233	5	71	41	0.000	0.000	1.000
233.0						
234	5	71	59	0.000	0.000	1.000
234.0						
235	5	71	57	0.000	0.000	1.000

BARRIER_LOWK.out						
235.0						
236.0	5	71	56	0.000	0.000	1.000
237.0	5	71	54	0.000	0.000	1.000
238.0	5	71	53	0.000	0.000	1.000
239.0	5	71	47	0.000	0.000	1.000
240.0	5	71	45	0.000	0.000	1.000
241.0	5	71	43	0.000	0.000	1.000
242.0	5	71	42	0.000	0.000	1.000
243.0	5	70	58	0.000	0.000	1.000
244.0	5	70	57	0.000	0.000	1.000
245.0	5	70	55	0.000	0.000	1.000
246.0	5	70	54	0.000	0.000	1.000
247.0	5	70	52	0.000	0.000	1.000
248.0	5	70	47	0.000	0.000	1.000
249.0	5	70	46	0.000	0.000	1.000
250.0	5	70	44	0.000	0.000	1.000
251.0	5	70	43	0.000	0.000	1.000
252.0	5	70	41	0.000	0.000	1.000
253.0	5	70	59	0.000	0.000	1.000
254.0	5	70	57	0.000	0.000	1.000
255.0	5	70	56	0.000	0.000	1.000
256.0	5	70	54	0.000	0.000	1.000
257.0	5	70	53	0.000	0.000	1.000
258.0	5	70	51	0.000	0.000	1.000
259.0	5	70	48	0.000	0.000	1.000
260.0	5	70	47	0.000	0.000	1.000
261.0	5	70	45	0.000	0.000	1.000
262.0	5	70	43	0.000	0.000	1.000
263.0	5	70	42	0.000	0.000	1.000
264.0	5	70	58	0.000	0.000	1.000
265.0	5	70	57	0.000	0.000	1.000
266.0	5	70	55	0.000	0.000	1.000

				BARRIER_LOWK.out		
267	5	70	54	0.000	0.000	1.000
267.0						
268	5	70	52	0.000	0.000	1.000
268.0						
269	5	70	50	0.000	0.000	1.000
269.0						
270	5	70	47	0.000	0.000	1.000
270.0						
271	5	70	46	0.000	0.000	1.000
271.0						
272	5	70	44	0.000	0.000	1.000
272.0						
273	5	70	43	0.000	0.000	1.000
273.0						
274	5	70	41	0.000	0.000	1.000
274.0						
275	5	69	57	0.000	0.000	1.000
275.0						
276	5	69	56	0.000	0.000	1.000
276.0						
277	5	69	54	0.000	0.000	1.000
277.0						
278	5	69	53	0.000	0.000	1.000
278.0						
279	5	69	51	0.000	0.000	1.000
279.0						
280	5	69	50	0.000	0.000	1.000
280.0						
281	5	69	48	0.000	0.000	1.000
281.0						
282	5	69	47	0.000	0.000	1.000
282.0						
283	5	69	45	0.000	0.000	1.000
283.0						
284	5	69	43	0.000	0.000	1.000
284.0						
285	5	69	42	0.000	0.000	1.000
285.0						
286	5	69	58	0.000	0.000	1.000
286.0						
287	5	69	57	0.000	0.000	1.000
287.0						
288	5	69	55	0.000	0.000	1.000
288.0						
289	5	69	54	0.000	0.000	1.000
289.0						
290	5	69	52	0.000	0.000	1.000
290.0						
291	5	69	50	0.000	0.000	1.000
291.0						
292	5	69	49	0.000	0.000	1.000
292.0						
293	5	69	47	0.000	0.000	1.000
293.0						
294	5	69	46	0.000	0.000	1.000
294.0						
295	5	69	44	0.000	0.000	1.000
295.0						
296	5	69	43	0.000	0.000	1.000
296.0						
297	5	69	41	0.000	0.000	1.000
297.0						
298	5	69	57	0.000	0.000	1.000

BARRIER_LOWK.out						
298.0						
299.0	5	69	56	0.000	0.000	1.000
300.0	5	69	54	0.000	0.000	1.000
301.0	5	69	53	0.000	0.000	1.000
302.0	5	69	51	0.000	0.000	1.000
303.0	5	69	50	0.000	0.000	1.000
304.0	5	69	48	0.000	0.000	1.000
305.0	5	69	47	0.000	0.000	1.000
306.0	5	69	45	0.000	0.000	1.000
307.0	5	69	43	0.000	0.000	1.000
308.0	5	69	42	0.000	0.000	1.000
309.0	5	68	58	0.000	0.000	1.000
310.0	5	68	57	0.000	0.000	1.000
311.0	5	68	55	0.000	0.000	1.000
312.0	5	68	54	0.000	0.000	1.000
313.0	5	68	52	0.000	0.000	1.000
314.0	5	68	50	0.000	0.000	1.000
315.0	5	68	49	0.000	0.000	1.000
316.0	5	68	47	0.000	0.000	1.000
317.0	5	68	46	0.000	0.000	1.000
318.0	5	68	44	0.000	0.000	1.000
319.0	5	68	43	0.000	0.000	1.000
320.0	5	68	41	0.000	0.000	1.000
321.0	5	68	57	0.000	0.000	1.000
322.0	5	68	56	0.000	0.000	1.000
323.0	5	68	54	0.000	0.000	1.000
324.0	5	68	53	0.000	0.000	1.000
325.0	5	68	51	0.000	0.000	1.000
326.0	5	68	50	0.000	0.000	1.000
327.0	5	68	48	0.000	0.000	1.000
328.0	5	68	47	0.000	0.000	1.000
329.0	5	68	45	0.000	0.000	1.000

				BARRIER_LOWK.out		
330	5	68	43	0.000	0.000	1.000
330.0						
331	5	68	42	0.000	0.000	1.000
331.0						
332	5	67	57	0.000	0.000	1.000
332.0						
333	5	67	55	0.000	0.000	1.000
333.0						
334	5	67	54	0.000	0.000	1.000
334.0						
335	5	67	52	0.000	0.000	1.000
335.0						
336	5	67	50	0.000	0.000	1.000
336.0						
337	5	67	49	0.000	0.000	1.000
337.0						
338	5	67	47	0.000	0.000	1.000
338.0						
339	5	67	46	0.000	0.000	1.000
339.0						
340	5	67	44	0.000	0.000	1.000
340.0						
341	5	67	43	0.000	0.000	1.000
341.0						
342	5	67	41	0.000	0.000	1.000
342.0						
343	5	67	57	0.000	0.000	1.000
343.0						
344	5	67	56	0.000	0.000	1.000
344.0						
345	5	67	54	0.000	0.000	1.000
345.0						
346	5	67	53	0.000	0.000	1.000
346.0						
347	5	67	51	0.000	0.000	1.000
347.0						
348	5	67	50	0.000	0.000	1.000
348.0						
349	5	67	48	0.000	0.000	1.000
349.0						
350	5	67	47	0.000	0.000	1.000
350.0						
351	5	67	45	0.000	0.000	1.000
351.0						
352	5	67	43	0.000	0.000	1.000
352.0						
353	5	67	42	0.000	0.000	1.000
353.0						
354	5	67	57	0.000	0.000	1.000
354.0						
355	5	67	55	0.000	0.000	1.000
355.0						
356	5	67	54	0.000	0.000	1.000
356.0						
357	5	67	52	0.000	0.000	1.000
357.0						
358	5	67	50	0.000	0.000	1.000
358.0						
359	5	67	49	0.000	0.000	1.000
359.0						
360	5	67	47	0.000	0.000	1.000
360.0						
361	5	67	46	0.000	0.000	1.000

BARRIER_LOWK.out						
361.0						
362.0	5	67	44	0.000	0.000	1.000
363.0	5	67	43	0.000	0.000	1.000
364.0	5	67	41	0.000	0.000	1.000
365.0	5	66	57	0.000	0.000	1.000
366.0	5	66	56	0.000	0.000	1.000
367.0	5	66	54	0.000	0.000	1.000
368.0	5	66	53	0.000	0.000	1.000
369.0	5	66	51	0.000	0.000	1.000
370.0	5	66	50	0.000	0.000	1.000
371.0	5	66	48	0.000	0.000	1.000
372.0	5	66	47	0.000	0.000	1.000
373.0	5	66	45	0.000	0.000	1.000
374.0	5	66	43	0.000	0.000	1.000
375.0	5	66	42	0.000	0.000	1.000
376.0	5	66	57	0.000	0.000	1.000
377.0	5	66	55	0.000	0.000	1.000
378.0	5	66	54	0.000	0.000	1.000
379.0	5	66	52	0.000	0.000	1.000
380.0	5	66	50	0.000	0.000	1.000
381.0	5	66	49	0.000	0.000	1.000
382.0	5	66	47	0.000	0.000	1.000
383.0	5	66	46	0.000	0.000	1.000
384.0	5	66	44	0.000	0.000	1.000
385.0	5	66	43	0.000	0.000	1.000
386.0	5	66	41	0.000	0.000	1.000
387.0	5	66	56	0.000	0.000	1.000
388.0	5	66	54	0.000	0.000	1.000
389.0	5	66	53	0.000	0.000	1.000
390.0	5	66	51	0.000	0.000	1.000
391.0	5	66	50	0.000	0.000	1.000
392.0	5	66	48	0.000	0.000	1.000

				BARRIER_LOWK.out		
393	5	66	47	0.000	0.000	1.000
393.0						
394	5	66	45	0.000	0.000	1.000
394.0						
395	5	66	43	0.000	0.000	1.000
395.0						
396	5	66	42	0.000	0.000	1.000
396.0						
397	5	65	57	0.000	0.000	1.000
397.0						
398	5	65	55	0.000	0.000	1.000
398.0						
399	5	65	54	0.000	0.000	1.000
399.0						
400	5	65	52	0.000	0.000	1.000
400.0						
401	5	65	50	0.000	0.000	1.000
401.0						
402	5	65	49	0.000	0.000	1.000
402.0						
403	5	65	47	0.000	0.000	1.000
403.0						
404	5	65	46	0.000	0.000	1.000
404.0						
405	5	65	44	0.000	0.000	1.000
405.0						
406	5	65	43	0.000	0.000	1.000
406.0						
407	5	65	41	0.000	0.000	1.000
407.0						
408	5	65	56	0.000	0.000	1.000
408.0						
409	5	65	54	0.000	0.000	1.000
409.0						
410	5	65	53	0.000	0.000	1.000
410.0						
411	5	65	51	0.000	0.000	1.000
411.0						
412	5	65	50	0.000	0.000	1.000
412.0						
413	5	65	48	0.000	0.000	1.000
413.0						
414	5	65	47	0.000	0.000	1.000
414.0						
415	5	65	45	0.000	0.000	1.000
415.0						
416	5	65	43	0.000	0.000	1.000
416.0						
417	5	65	42	0.000	0.000	1.000
417.0						
418	5	64	57	0.000	0.000	1.000
418.0						
419	5	64	55	0.000	0.000	1.000
419.0						
420	5	64	54	0.000	0.000	1.000
420.0						
421	5	64	52	0.000	0.000	1.000
421.0						
422	5	64	50	0.000	0.000	1.000
422.0						
423	5	64	49	0.000	0.000	1.000
423.0						
424	5	64	47	0.000	0.000	1.000

BARRIER_LOWK.out						
424.0						
425.0	5	64	46	0.000	0.000	1.000
426.0	5	64	44	0.000	0.000	1.000
427.0	5	64	43	0.000	0.000	1.000
428.0	5	64	41	0.000	0.000	1.000
429.0	5	64	56	0.000	0.000	1.000
430.0	5	64	54	0.000	0.000	1.000
431.0	5	64	53	0.000	0.000	1.000
432.0	5	64	51	0.000	0.000	1.000
433.0	5	64	50	0.000	0.000	1.000
434.0	5	64	48	0.000	0.000	1.000
435.0	5	64	47	0.000	0.000	1.000
436.0	5	64	45	0.000	0.000	1.000
437.0	5	64	43	0.000	0.000	1.000
438.0	5	64	42	0.000	0.000	1.000
439.0	5	64	55	0.000	0.000	1.000
440.0	5	64	54	0.000	0.000	1.000
441.0	5	64	52	0.000	0.000	1.000
442.0	5	64	50	0.000	0.000	1.000
443.0	5	64	49	0.000	0.000	1.000
444.0	5	64	47	0.000	0.000	1.000
445.0	5	64	46	0.000	0.000	1.000
446.0	5	64	44	0.000	0.000	1.000
447.0	5	64	43	0.000	0.000	1.000
448.0	5	64	41	0.000	0.000	1.000
449.0	5	63	56	0.000	0.000	1.000
450.0	5	63	54	0.000	0.000	1.000
451.0	5	63	53	0.000	0.000	1.000
452.0	5	63	51	0.000	0.000	1.000
453.0	5	63	50	0.000	0.000	1.000
454.0	5	63	48	0.000	0.000	1.000
455.0	5	63	47	0.000	0.000	1.000

				BARRIER_LOWK.out		
456	5	63	45	0.000	0.000	1.000
456.0						
457	5	63	43	0.000	0.000	1.000
457.0						
458	5	63	42	0.000	0.000	1.000
458.0						
459	5	63	55	0.000	0.000	1.000
459.0						
460	5	63	54	0.000	0.000	1.000
460.0						
461	5	63	52	0.000	0.000	1.000
461.0						
462	5	63	50	0.000	0.000	1.000
462.0						
463	5	63	49	0.000	0.000	1.000
463.0						
464	5	63	47	0.000	0.000	1.000
464.0						
465	5	63	46	0.000	0.000	1.000
465.0						
466	5	63	44	0.000	0.000	1.000
466.0						
467	5	63	43	0.000	0.000	1.000
467.0						
468	5	63	41	0.000	0.000	1.000
468.0						
469	5	63	56	0.000	0.000	1.000
469.0						
470	5	63	54	0.000	0.000	1.000
470.0						
471	5	63	53	0.000	0.000	1.000
471.0						
472	5	63	51	0.000	0.000	1.000
472.0						
473	5	63	50	0.000	0.000	1.000
473.0						
474	5	63	48	0.000	0.000	1.000
474.0						
475	5	63	47	0.000	0.000	1.000
475.0						
476	5	63	45	0.000	0.000	1.000
476.0						
477	5	63	43	0.000	0.000	1.000
477.0						
478	5	63	42	0.000	0.000	1.000
478.0						
479	5	62	55	0.000	0.000	1.000
479.0						
480	5	62	54	0.000	0.000	1.000
480.0						
481	5	62	52	0.000	0.000	1.000
481.0						
482	5	62	50	0.000	0.000	1.000
482.0						
483	5	62	49	0.000	0.000	1.000
483.0						
484	5	62	47	0.000	0.000	1.000
484.0						
485	5	62	46	0.000	0.000	1.000
485.0						
486	5	62	44	0.000	0.000	1.000
486.0						
487	5	62	43	0.000	0.000	1.000

BARRIER_LOWK.out						
487.0						
488.0	5	62	41	0.000	0.000	1.000
489.0	5	62	56	0.000	0.000	1.000
490.0	5	62	54	0.000	0.000	1.000
491.0	5	62	53	0.000	0.000	1.000
492.0	5	62	51	0.000	0.000	1.000
493.0	5	62	50	0.000	0.000	1.000
494.0	5	62	48	0.000	0.000	1.000
495.0	5	62	47	0.000	0.000	1.000
496.0	5	62	45	0.000	0.000	1.000
497.0	5	62	43	0.000	0.000	1.000
498.0	5	62	42	0.000	0.000	1.000
499.0	5	61	55	0.000	0.000	1.000
500.0	5	61	54	0.000	0.000	1.000
501.0	5	61	52	0.000	0.000	1.000
502.0	5	61	50	0.000	0.000	1.000
503.0	5	61	49	0.000	0.000	1.000
504.0	5	61	47	0.000	0.000	1.000
505.0	5	61	46	0.000	0.000	1.000
506.0	5	61	44	0.000	0.000	1.000
507.0	5	61	43	0.000	0.000	1.000
508.0	5	61	41	0.000	0.000	1.000
509.0	5	61	54	0.000	0.000	1.000
510.0	5	61	53	0.000	0.000	1.000
511.0	5	61	51	0.000	0.000	1.000
512.0	5	61	50	0.000	0.000	1.000
513.0	5	61	48	0.000	0.000	1.000
514.0	5	61	47	0.000	0.000	1.000
515.0	5	61	45	0.000	0.000	1.000
516.0	5	61	43	0.000	0.000	1.000
517.0	5	61	42	0.000	0.000	1.000
518.0	5	61	55	0.000	0.000	1.000

				BARRIER_LOWK.out		
519	5	61	54	0.000	0.000	1.000
519.0						
520	5	61	52	0.000	0.000	1.000
520.0						
521	5	61	50	0.000	0.000	1.000
521.0						
522	5	61	49	0.000	0.000	1.000
522.0						
523	5	61	47	0.000	0.000	1.000
523.0						
524	5	61	46	0.000	0.000	1.000
524.0						
525	5	61	44	0.000	0.000	1.000
525.0						
526	5	61	43	0.000	0.000	1.000
526.0						
527	5	61	41	0.000	0.000	1.000
527.0						
528	5	60	54	0.000	0.000	1.000
528.0						
529	5	60	53	0.000	0.000	1.000
529.0						
530	5	60	51	0.000	0.000	1.000
530.0						
531	5	60	50	0.000	0.000	1.000
531.0						
532	5	60	48	0.000	0.000	1.000
532.0						
533	5	60	47	0.000	0.000	1.000
533.0						
534	5	60	45	0.000	0.000	1.000
534.0						
535	5	60	43	0.000	0.000	1.000
535.0						
536	5	60	42	0.000	0.000	1.000
536.0						
537	5	60	54	0.000	0.000	1.000
537.0						
538	5	60	52	0.000	0.000	1.000
538.0						
539	5	60	50	0.000	0.000	1.000
539.0						
540	5	60	49	0.000	0.000	1.000
540.0						
541	5	60	47	0.000	0.000	1.000
541.0						
542	5	60	46	0.000	0.000	1.000
542.0						
543	5	60	44	0.000	0.000	1.000
543.0						
544	5	60	43	0.000	0.000	1.000
544.0						
545	5	60	41	0.000	0.000	1.000
545.0						
546	5	60	54	0.000	0.000	1.000
546.0						
547	5	60	53	0.000	0.000	1.000
547.0						
548	5	60	51	0.000	0.000	1.000
548.0						
549	5	60	50	0.000	0.000	1.000
549.0						
550	5	60	48	0.000	0.000	1.000

BARRIER_LOWK.out						
550.0						
551.0	5	60	47	0.000	0.000	1.000
552.0	5	60	45	0.000	0.000	1.000
553.0	5	60	43	0.000	0.000	1.000
554.0	5	60	42	0.000	0.000	1.000
555.0	5	59	54	0.000	0.000	1.000
556.0	5	59	52	0.000	0.000	1.000
557.0	5	59	50	0.000	0.000	1.000
558.0	5	59	49	0.000	0.000	1.000
559.0	5	59	47	0.000	0.000	1.000
560.0	5	59	46	0.000	0.000	1.000
561.0	5	59	44	0.000	0.000	1.000
562.0	5	59	43	0.000	0.000	1.000
563.0	5	59	41	0.000	0.000	1.000
564.0	5	59	53	0.000	0.000	1.000
565.0	5	59	51	0.000	0.000	1.000
566.0	5	59	50	0.000	0.000	1.000
567.0	5	59	48	0.000	0.000	1.000
568.0	5	59	47	0.000	0.000	1.000
569.0	5	59	45	0.000	0.000	1.000
570.0	5	59	43	0.000	0.000	1.000
571.0	5	59	42	0.000	0.000	1.000
572.0	5	59	54	0.000	0.000	1.000
573.0	5	59	52	0.000	0.000	1.000
574.0	5	59	50	0.000	0.000	1.000
575.0	5	59	49	0.000	0.000	1.000
576.0	5	59	47	0.000	0.000	1.000
577.0	5	59	46	0.000	0.000	1.000
578.0	5	59	44	0.000	0.000	1.000
579.0	5	59	43	0.000	0.000	1.000
580.0	5	59	41	0.000	0.000	1.000
581.0	5	58	53	0.000	0.000	1.000

				BARRIER_LOWK.out		
582	5	58	51	0.000	0.000	1.000
582.0						
583	5	58	50	0.000	0.000	1.000
583.0						
584	5	58	48	0.000	0.000	1.000
584.0						
585	5	58	47	0.000	0.000	1.000
585.0						
586	5	58	45	0.000	0.000	1.000
586.0						
587	5	58	43	0.000	0.000	1.000
587.0						
588	5	58	42	0.000	0.000	1.000
588.0						
589	5	58	52	0.000	0.000	1.000
589.0						
590	5	58	50	0.000	0.000	1.000
590.0						
591	5	58	49	0.000	0.000	1.000
591.0						
592	5	58	47	0.000	0.000	1.000
592.0						
593	5	58	46	0.000	0.000	1.000
593.0						
594	5	58	44	0.000	0.000	1.000
594.0						
595	5	58	43	0.000	0.000	1.000
595.0						
596	5	58	41	0.000	0.000	1.000
596.0						
597	5	57	53	0.000	0.000	1.000
597.0						
598	5	57	51	0.000	0.000	1.000
598.0						
599	5	57	50	0.000	0.000	1.000
599.0						
600	5	57	48	0.000	0.000	1.000
600.0						
601	5	57	47	0.000	0.000	1.000
601.0						
602	5	57	45	0.000	0.000	1.000
602.0						
603	5	57	43	0.000	0.000	1.000
603.0						
604	5	57	42	0.000	0.000	1.000
604.0						
605	5	57	40	0.000	0.000	1.000
605.0						
606	5	57	52	0.000	0.000	1.000
606.0						
607	5	57	50	0.000	0.000	1.000
607.0						
608	5	57	49	0.000	0.000	1.000
608.0						
609	5	57	47	0.000	0.000	1.000
609.0						
610	5	57	46	0.000	0.000	1.000
610.0						
611	5	57	44	0.000	0.000	1.000
611.0						
612	5	57	43	0.000	0.000	1.000
612.0						
613	5	57	41	0.000	0.000	1.000

BARRIER_LOWK.out						
613.0						
614.0	5	57	53	0.000	0.000	1.000
615.0	5	57	51	0.000	0.000	1.000
616.0	5	57	50	0.000	0.000	1.000
617.0	5	57	48	0.000	0.000	1.000
618.0	5	57	47	0.000	0.000	1.000
619.0	5	57	45	0.000	0.000	1.000
620.0	5	57	43	0.000	0.000	1.000
621.0	5	57	42	0.000	0.000	1.000
622.0	5	57	40	0.000	0.000	1.000
623.0	5	56	52	0.000	0.000	1.000
624.0	5	56	50	0.000	0.000	1.000
625.0	5	56	49	0.000	0.000	1.000
626.0	5	56	47	0.000	0.000	1.000
627.0	5	56	46	0.000	0.000	1.000
628.0	5	56	44	0.000	0.000	1.000
629.0	5	56	43	0.000	0.000	1.000
630.0	5	56	41	0.000	0.000	1.000
631.0	5	56	53	0.000	0.000	1.000
632.0	5	56	51	0.000	0.000	1.000
633.0	5	56	50	0.000	0.000	1.000
634.0	5	56	48	0.000	0.000	1.000
635.0	5	56	47	0.000	0.000	1.000
636.0	5	56	45	0.000	0.000	1.000
637.0	5	56	43	0.000	0.000	1.000
638.0	5	56	42	0.000	0.000	1.000
639.0	5	56	40	0.000	0.000	1.000
640.0	5	56	52	0.000	0.000	1.000
641.0	5	56	50	0.000	0.000	1.000
642.0	5	56	49	0.000	0.000	1.000
643.0	5	56	47	0.000	0.000	1.000
644.0	5	56	46	0.000	0.000	1.000

				BARRIER_LOWK.out		
645	5	56	44	0.000	0.000	1.000
645.0						
646	5	56	43	0.000	0.000	1.000
646.0						
647	5	56	41	0.000	0.000	1.000
647.0						
648	5	56	40	0.000	0.000	1.000
648.0						
649	5	55	53	0.000	0.000	1.000
649.0						
650	5	55	51	0.000	0.000	1.000
650.0						
651	5	55	50	0.000	0.000	1.000
651.0						
652	5	55	48	0.000	0.000	1.000
652.0						
653	5	55	47	0.000	0.000	1.000
653.0						
654	5	55	45	0.000	0.000	1.000
654.0						
655	5	55	43	0.000	0.000	1.000
655.0						
656	5	55	42	0.000	0.000	1.000
656.0						
657	5	55	40	0.000	0.000	1.000
657.0						
658	5	55	52	0.000	0.000	1.000
658.0						
659	5	55	50	0.000	0.000	1.000
659.0						
660	5	55	49	0.000	0.000	1.000
660.0						
661	5	55	47	0.000	0.000	1.000
661.0						
662	5	55	46	0.000	0.000	1.000
662.0						
663	5	55	44	0.000	0.000	1.000
663.0						
664	5	55	43	0.000	0.000	1.000
664.0						
665	5	55	41	0.000	0.000	1.000
665.0						
666	5	55	40	0.000	0.000	1.000
666.0						
667	5	54	51	0.000	0.000	1.000
667.0						
668	5	54	50	0.000	0.000	1.000
668.0						
669	5	54	48	0.000	0.000	1.000
669.0						
670	5	54	47	0.000	0.000	1.000
670.0						
671	5	54	45	0.000	0.000	1.000
671.0						
672	5	54	43	0.000	0.000	1.000
672.0						
673	5	54	42	0.000	0.000	1.000
673.0						
674	5	54	40	0.000	0.000	1.000
674.0						
675	5	54	52	0.000	0.000	1.000
675.0						
676	5	54	50	0.000	0.000	1.000

BARRIER_LOWK.out						
676.0						
677.0	5	54	49	0.000	0.000	1.000
678.0						
679.0	5	54	47	0.000	0.000	1.000
680.0						
681.0	5	54	46	0.000	0.000	1.000
682.0						
683.0	5	54	44	0.000	0.000	1.000
684.0						
685.0	5	54	43	0.000	0.000	1.000
686.0						
687.0	5	54	41	0.000	0.000	1.000
688.0						
689.0	5	54	40	0.000	0.000	1.000
690.0						
691.0	5	54	51	0.000	0.000	1.000
692.0						
693.0	5	54	50	0.000	0.000	1.000
694.0						
695.0	5	54	48	0.000	0.000	1.000
696.0						
697.0	5	54	47	0.000	0.000	1.000
698.0						
699.0	5	54	45	0.000	0.000	1.000
700.0						
701.0	5	54	43	0.000	0.000	1.000
702.0						
703.0	5	54	42	0.000	0.000	1.000
704.0						
705.0	5	54	40	0.000	0.000	1.000
706.0						
707.0	5	54	39	0.000	0.000	1.000
708.0						
709.0	5	53	52	0.000	0.000	1.000
710.0						
711.0	5	53	50	0.000	0.000	1.000
712.0						
713.0	5	53	49	0.000	0.000	1.000
714.0						
715.0	5	53	47	0.000	0.000	1.000
716.0						
717.0	5	53	46	0.000	0.000	1.000
718.0						
719.0	5	53	44	0.000	0.000	1.000
720.0						
721.0	5	53	43	0.000	0.000	1.000
722.0						
723.0	5	53	41	0.000	0.000	1.000
724.0						
725.0	5	53	40	0.000	0.000	1.000
726.0						
727.0	5	53	51	0.000	0.000	1.000
728.0						
729.0	5	53	50	0.000	0.000	1.000
730.0						
731.0	5	53	48	0.000	0.000	1.000
732.0						
733.0	5	53	47	0.000	0.000	1.000
734.0						
735.0	5	53	45	0.000	0.000	1.000
736.0						
737.0	5	53	43	0.000	0.000	1.000
738.0						

				BARRIER_LOWK.out		
708	5	53	42	0.000	0.000	1.000
708.0						
709	5	53	40	0.000	0.000	1.000
709.0						
710	5	53	39	0.000	0.000	1.000
710.0						
711	5	53	50	0.000	0.000	1.000
711.0						
712	5	53	49	0.000	0.000	1.000
712.0						
713	5	53	47	0.000	0.000	1.000
713.0						
714	5	53	46	0.000	0.000	1.000
714.0						
715	5	53	44	0.000	0.000	1.000
715.0						
716	5	53	43	0.000	0.000	1.000
716.0						
717	5	53	41	0.000	0.000	1.000
717.0						
718	5	53	40	0.000	0.000	1.000
718.0						
719	5	52	51	0.000	0.000	1.000
719.0						
720	5	52	50	0.000	0.000	1.000
720.0						
721	5	52	48	0.000	0.000	1.000
721.0						
722	5	52	47	0.000	0.000	1.000
722.0						
723	5	52	45	0.000	0.000	1.000
723.0						
724	5	52	43	0.000	0.000	1.000
724.0						
725	5	52	42	0.000	0.000	1.000
725.0						
726	5	52	40	0.000	0.000	1.000
726.0						
727	5	52	39	0.000	0.000	1.000
727.0						
728	5	52	50	0.000	0.000	1.000
728.0						
729	5	52	49	0.000	0.000	1.000
729.0						
730	5	52	47	0.000	0.000	1.000
730.0						
731	5	52	46	0.000	0.000	1.000
731.0						
732	5	52	44	0.000	0.000	1.000
732.0						
733	5	52	43	0.000	0.000	1.000
733.0						
734	5	52	41	0.000	0.000	1.000
734.0						
735	5	52	40	0.000	0.000	1.000
735.0						
736	5	52	38	0.000	0.000	1.000
736.0						
737	5	51	51	0.000	0.000	1.000
737.0						
738	5	51	50	0.000	0.000	1.000
738.0						
739	5	51	48	0.000	0.000	1.000

BARRIER_LOWK.out						
739.0						
740.0	5	51	47	0.000	0.000	1.000
741.0	5	51	45	0.000	0.000	1.000
742.0	5	51	43	0.000	0.000	1.000
743.0	5	51	42	0.000	0.000	1.000
744.0	5	51	40	0.000	0.000	1.000
745.0	5	51	39	0.000	0.000	1.000
746.0	5	51	50	0.000	0.000	1.000
747.0	5	51	49	0.000	0.000	1.000
748.0	5	51	47	0.000	0.000	1.000
749.0	5	51	46	0.000	0.000	1.000
750.0	5	51	44	0.000	0.000	1.000
751.0	5	51	43	0.000	0.000	1.000
752.0	5	51	41	0.000	0.000	1.000
753.0	5	51	40	0.000	0.000	1.000
754.0	5	51	38	0.000	0.000	1.000
755.0	5	51	51	0.000	0.000	1.000
756.0	5	51	50	0.000	0.000	1.000
757.0	5	51	48	0.000	0.000	1.000
758.0	5	51	47	0.000	0.000	1.000
759.0	5	51	45	0.000	0.000	1.000
760.0	5	51	43	0.000	0.000	1.000
761.0	5	51	42	0.000	0.000	1.000
762.0	5	51	40	0.000	0.000	1.000
763.0	5	51	39	0.000	0.000	1.000
764.0	5	51	37	0.000	0.000	1.000
765.0	5	50	50	0.000	0.000	1.000
766.0	5	50	49	0.000	0.000	1.000
767.0	5	50	47	0.000	0.000	1.000
768.0	5	50	46	0.000	0.000	1.000
769.0	5	50	44	0.000	0.000	1.000
770.0	5	50	43	0.000	0.000	1.000

				BARRIER_LOWK.out		
771	5	50	41	0.000	0.000	1.000
771.0						
772	5	50	40	0.000	0.000	1.000
772.0						
773	5	50	38	0.000	0.000	1.000
773.0						
774	5	50	50	0.000	0.000	1.000
774.0						
775	5	50	48	0.000	0.000	1.000
775.0						
776	5	50	47	0.000	0.000	1.000
776.0						
777	5	50	45	0.000	0.000	1.000
777.0						
778	5	50	43	0.000	0.000	1.000
778.0						
779	5	50	42	0.000	0.000	1.000
779.0						
780	5	50	40	0.000	0.000	1.000
780.0						
781	5	50	39	0.000	0.000	1.000
781.0						
782	5	50	37	0.000	0.000	1.000
782.0						
783	5	50	50	0.000	0.000	1.000
783.0						
784	5	50	49	0.000	0.000	1.000
784.0						
785	5	50	47	0.000	0.000	1.000
785.0						
786	5	50	46	0.000	0.000	1.000
786.0						
787	5	50	44	0.000	0.000	1.000
787.0						
788	5	50	43	0.000	0.000	1.000
788.0						
789	5	50	41	0.000	0.000	1.000
789.0						
790	5	50	40	0.000	0.000	1.000
790.0						
791	5	50	38	0.000	0.000	1.000
791.0						
792	5	49	50	0.000	0.000	1.000
792.0						
793	5	49	48	0.000	0.000	1.000
793.0						
794	5	49	47	0.000	0.000	1.000
794.0						
795	5	49	45	0.000	0.000	1.000
795.0						
796	5	49	43	0.000	0.000	1.000
796.0						
797	5	49	42	0.000	0.000	1.000
797.0						
798	5	49	40	0.000	0.000	1.000
798.0						
799	5	49	39	0.000	0.000	1.000
799.0						
800	5	49	37	0.000	0.000	1.000
800.0						
801	5	49	50	0.000	0.000	1.000
801.0						
802	5	49	49	0.000	0.000	1.000

BARRIER_LOWK.out						
802.0						
803.0	5	49	47	0.000	0.000	1.000
804.0	5	49	46	0.000	0.000	1.000
805.0	5	49	44	0.000	0.000	1.000
806.0	5	49	43	0.000	0.000	1.000
807.0	5	49	41	0.000	0.000	1.000
808.0	5	49	40	0.000	0.000	1.000
809.0	5	49	38	0.000	0.000	1.000
810.0	5	49	37	0.000	0.000	1.000
811.0	5	48	50	0.000	0.000	1.000
812.0	5	48	48	0.000	0.000	1.000
813.0	5	48	47	0.000	0.000	1.000
814.0	5	48	45	0.000	0.000	1.000
815.0	5	48	43	0.000	0.000	1.000
816.0	5	48	42	0.000	0.000	1.000
817.0	5	48	40	0.000	0.000	1.000
818.0	5	48	39	0.000	0.000	1.000
819.0	5	48	37	0.000	0.000	1.000
820.0	5	48	50	0.000	0.000	1.000
821.0	5	48	49	0.000	0.000	1.000
822.0	5	48	47	0.000	0.000	1.000
823.0	5	48	46	0.000	0.000	1.000
824.0	5	48	44	0.000	0.000	1.000
825.0	5	48	43	0.000	0.000	1.000
826.0	5	48	41	0.000	0.000	1.000
827.0	5	48	40	0.000	0.000	1.000
828.0	5	48	38	0.000	0.000	1.000
829.0	5	48	37	0.000	0.000	1.000
830.0	5	48	50	0.000	0.000	1.000
831.0	5	48	48	0.000	0.000	1.000
832.0	5	48	47	0.000	0.000	1.000
833.0	5	48	45	0.000	0.000	1.000

				BARRIER_LOWK.out		
834	5	48	43	0.000	0.000	1.000
834.0						
835	5	48	42	0.000	0.000	1.000
835.0						
836	5	48	40	0.000	0.000	1.000
836.0						
837	5	48	39	0.000	0.000	1.000
837.0						
838	5	48	37	0.000	0.000	1.000
838.0						
839	5	48	36	0.000	0.000	1.000
839.0						
840	5	47	50	0.000	0.000	1.000
840.0						
841	5	47	49	0.000	0.000	1.000
841.0						
842	5	47	47	0.000	0.000	1.000
842.0						
843	5	47	46	0.000	0.000	1.000
843.0						
844	5	47	44	0.000	0.000	1.000
844.0						
845	5	47	43	0.000	0.000	1.000
845.0						
846	5	47	41	0.000	0.000	1.000
846.0						
847	5	47	40	0.000	0.000	1.000
847.0						
848	5	47	38	0.000	0.000	1.000
848.0						
849	5	47	37	0.000	0.000	1.000
849.0						
850	5	47	50	0.000	0.000	1.000
850.0						
851	5	47	48	0.000	0.000	1.000
851.0						
852	5	47	47	0.000	0.000	1.000
852.0						
853	5	47	45	0.000	0.000	1.000
853.0						
854	5	47	43	0.000	0.000	1.000
854.0						
855	5	47	42	0.000	0.000	1.000
855.0						
856	5	47	40	0.000	0.000	1.000
856.0						
857	5	47	39	0.000	0.000	1.000
857.0						
858	5	47	37	0.000	0.000	1.000
858.0						
859	5	47	36	0.000	0.000	1.000
859.0						
860	5	47	49	0.000	0.000	1.000
860.0						
861	5	47	47	0.000	0.000	1.000
861.0						
862	5	47	46	0.000	0.000	1.000
862.0						
863	5	47	44	0.000	0.000	1.000
863.0						
864	5	47	43	0.000	0.000	1.000
864.0						
865	5	47	41	0.000	0.000	1.000

BARRIER_LOWK.out						
865.0						
866.0	5	47	40	0.000	0.000	1.000
867.0	5	47	38	0.000	0.000	1.000
868.0	5	47	37	0.000	0.000	1.000
869.0	5	46	50	0.000	0.000	1.000
870.0	5	46	48	0.000	0.000	1.000
871.0	5	46	47	0.000	0.000	1.000
872.0	5	46	45	0.000	0.000	1.000
873.0	5	46	43	0.000	0.000	1.000
874.0	5	46	42	0.000	0.000	1.000
875.0	5	46	40	0.000	0.000	1.000
876.0	5	46	39	0.000	0.000	1.000
877.0	5	46	37	0.000	0.000	1.000
878.0	5	46	36	0.000	0.000	1.000
879.0	5	46	49	0.000	0.000	1.000
880.0	5	46	47	0.000	0.000	1.000
881.0	5	46	46	0.000	0.000	1.000
882.0	5	46	44	0.000	0.000	1.000
883.0	5	46	43	0.000	0.000	1.000
884.0	5	46	41	0.000	0.000	1.000
885.0	5	46	40	0.000	0.000	1.000
886.0	5	46	38	0.000	0.000	1.000
887.0	5	46	37	0.000	0.000	1.000
888.0	5	46	35	0.000	0.000	1.000
889.0	5	45	50	0.000	0.000	1.000
890.0	5	45	48	0.000	0.000	1.000
891.0	5	45	47	0.000	0.000	1.000
892.0	5	45	45	0.000	0.000	1.000
893.0	5	45	43	0.000	0.000	1.000
894.0	5	45	42	0.000	0.000	1.000
895.0	5	45	40	0.000	0.000	1.000
896.0	5	45	39	0.000	0.000	1.000

				BARRIER_LOWK.out		
897	5	45	37	0.000	0.000	1.000
897.0						
898	5	45	36	0.000	0.000	1.000
898.0						
899	5	45	49	0.000	0.000	1.000
899.0						
900	5	45	47	0.000	0.000	1.000
900.0						
901	5	45	46	0.000	0.000	1.000
901.0						
902	5	45	44	0.000	0.000	1.000
902.0						
903	5	45	43	0.000	0.000	1.000
903.0						
904	5	45	41	0.000	0.000	1.000
904.0						
905	5	45	40	0.000	0.000	1.000
905.0						
906	5	45	38	0.000	0.000	1.000
906.0						
907	5	45	37	0.000	0.000	1.000
907.0						
908	5	45	35	0.000	0.000	1.000
908.0						
909	5	45	48	0.000	0.000	1.000
909.0						
910	5	45	47	0.000	0.000	1.000
910.0						
911	5	45	45	0.000	0.000	1.000
911.0						
912	5	45	43	0.000	0.000	1.000
912.0						
913	5	45	42	0.000	0.000	1.000
913.0						
914	5	45	40	0.000	0.000	1.000
914.0						
915	5	45	39	0.000	0.000	1.000
915.0						
916	5	45	37	0.000	0.000	1.000
916.0						
917	5	45	36	0.000	0.000	1.000
917.0						
918	5	44	49	0.000	0.000	1.000
918.0						
919	5	44	47	0.000	0.000	1.000
919.0						
920	5	44	46	0.000	0.000	1.000
920.0						
921	5	44	44	0.000	0.000	1.000
921.0						
922	5	44	43	0.000	0.000	1.000
922.0						
923	5	44	41	0.000	0.000	1.000
923.0						
924	5	44	40	0.000	0.000	1.000
924.0						
925	5	44	38	0.000	0.000	1.000
925.0						
926	5	44	37	0.000	0.000	1.000
926.0						
927	5	44	35	0.000	0.000	1.000
927.0						
928	5	44	48	0.000	0.000	1.000

BARRIER_LOWK.out						
928.0						
929.0	5	44	47	0.000	0.000	1.000
930.0						
931.0	5	44	45	0.000	0.000	1.000
932.0						
933.0	5	44	43	0.000	0.000	1.000
934.0						
935.0	5	44	42	0.000	0.000	1.000
936.0						
937.0	5	44	40	0.000	0.000	1.000
938.0						
939.0	5	44	39	0.000	0.000	1.000
940.0						
941.0	5	44	37	0.000	0.000	1.000
942.0						
943.0	5	44	36	0.000	0.000	1.000
944.0						
945.0	5	44	47	0.000	0.000	1.000
946.0						
947.0	5	44	46	0.000	0.000	1.000
948.0						
949.0	5	44	44	0.000	0.000	1.000
950.0						
951.0	5	44	43	0.000	0.000	1.000
952.0						
953.0	5	44	41	0.000	0.000	1.000
954.0						
955.0	5	44	40	0.000	0.000	1.000
956.0						
957.0	5	44	38	0.000	0.000	1.000
958.0						
959.0	5	44	37	0.000	0.000	1.000
960.0						
961.0	5	44	35	0.000	0.000	1.000
962.0						
963.0	5	43	48	0.000	0.000	1.000
964.0						
965.0	5	43	47	0.000	0.000	1.000
966.0						
967.0	5	43	45	0.000	0.000	1.000
968.0						
969.0	5	43	43	0.000	0.000	1.000
970.0						
971.0	5	43	42	0.000	0.000	1.000
972.0						
973.0	5	43	40	0.000	0.000	1.000
974.0						
975.0	5	43	39	0.000	0.000	1.000
976.0						
977.0	5	43	37	0.000	0.000	1.000
978.0						
979.0	5	43	36	0.000	0.000	1.000
980.0						
981.0	5	43	34	0.000	0.000	1.000
982.0						
983.0	5	43	47	0.000	0.000	1.000
984.0						
985.0	5	43	46	0.000	0.000	1.000
986.0						
987.0	5	43	44	0.000	0.000	1.000
988.0						
989.0	5	43	43	0.000	0.000	1.000
990.0						

				BARRIER_LOWK.out		
960	5	43	41	0.000	0.000	1.000
960.0						
961	5	43	40	0.000	0.000	1.000
961.0						
962	5	43	38	0.000	0.000	1.000
962.0						
963	5	43	37	0.000	0.000	1.000
963.0						
964	5	43	35	0.000	0.000	1.000
964.0						
965	5	42	47	0.000	0.000	1.000
965.0						
966	5	42	45	0.000	0.000	1.000
966.0						
967	5	42	43	0.000	0.000	1.000
967.0						
968	5	42	42	0.000	0.000	1.000
968.0						
969	5	42	40	0.000	0.000	1.000
969.0						
970	5	42	39	0.000	0.000	1.000
970.0						
971	5	42	37	0.000	0.000	1.000
971.0						
972	5	42	36	0.000	0.000	1.000
972.0						
973	5	42	34	0.000	0.000	1.000
973.0						
974	5	42	47	0.000	0.000	1.000
974.0						
975	5	42	46	0.000	0.000	1.000
975.0						
976	5	42	44	0.000	0.000	1.000
976.0						
977	5	42	43	0.000	0.000	1.000
977.0						
978	5	42	41	0.000	0.000	1.000
978.0						
979	5	42	40	0.000	0.000	1.000
979.0						
980	5	42	38	0.000	0.000	1.000
980.0						
981	5	42	37	0.000	0.000	1.000
981.0						
982	5	42	35	0.000	0.000	1.000
982.0						
983	5	42	47	0.000	0.000	1.000
983.0						
984	5	42	45	0.000	0.000	1.000
984.0						
985	5	42	43	0.000	0.000	1.000
985.0						
986	5	42	42	0.000	0.000	1.000
986.0						
987	5	42	40	0.000	0.000	1.000
987.0						
988	5	42	39	0.000	0.000	1.000
988.0						
989	5	42	37	0.000	0.000	1.000
989.0						
990	5	42	36	0.000	0.000	1.000
990.0						
991	5	42	34	0.000	0.000	1.000

				BARRIER_LOWK.out		
991.0						
992	5	41	47	0.000	0.000	1.000
992.0						
993	5	41	46	0.000	0.000	1.000
993.0						
994	5	41	44	0.000	0.000	1.000
994.0						
995	5	41	43	0.000	0.000	1.000
995.0						
996	5	41	41	0.000	0.000	1.000
996.0						
997	5	41	40	0.000	0.000	1.000
997.0						
998	5	41	38	0.000	0.000	1.000
998.0						
999	5	41	37	0.000	0.000	1.000
999.0						
1000	5	41	35	0.000	0.000	1.000
1000.						
1001	5	41	47	0.000	0.000	1.000
1001.						
1002	5	41	45	0.000	0.000	1.000
1002.						
1003	5	41	43	0.000	0.000	1.000
1003.						
1004	5	41	42	0.000	0.000	1.000
1004.						
1005	5	41	40	0.000	0.000	1.000
1005.						
1006	5	41	39	0.000	0.000	1.000
1006.						
1007	5	41	37	0.000	0.000	1.000
1007.						
1008	5	41	36	0.000	0.000	1.000
1008.						
1009	5	41	34	0.000	0.000	1.000
1009.						
1010	5	41	46	0.000	0.000	1.000
1010.						
1011	5	41	44	0.000	0.000	1.000
1011.						
1012	5	41	43	0.000	0.000	1.000
1012.						
1013	5	41	41	0.000	0.000	1.000
1013.						
1014	5	41	40	0.000	0.000	1.000
1014.						
1015	5	41	38	0.000	0.000	1.000
1015.						
1016	5	41	37	0.000	0.000	1.000
1016.						
1017	5	41	35	0.000	0.000	1.000
1017.						
1018	5	41	33	0.000	0.000	1.000
1018.						
1019	5	40	47	0.000	0.000	1.000
1019.						
1020	5	40	45	0.000	0.000	1.000
1020.						
1021	5	40	43	0.000	0.000	1.000
1021.						
1022	5	40	42	0.000	0.000	1.000
1022.						

				BARRIER_LOWK.out		
1023	5	40	40	0.000	0.000	1.000
1023.						
1024	5	40	39	0.000	0.000	1.000
1024.						
1025	5	40	37	0.000	0.000	1.000
1025.						
1026	5	40	36	0.000	0.000	1.000
1026.						
1027	5	40	34	0.000	0.000	1.000
1027.						
1028	5	40	46	0.000	0.000	1.000
1028.						
1029	5	40	44	0.000	0.000	1.000
1029.						
1030	5	40	43	0.000	0.000	1.000
1030.						
1031	5	40	41	0.000	0.000	1.000
1031.						
1032	5	40	40	0.000	0.000	1.000
1032.						
1033	5	40	38	0.000	0.000	1.000
1033.						
1034	5	40	37	0.000	0.000	1.000
1034.						
1035	5	40	35	0.000	0.000	1.000
1035.						
1036	5	40	33	0.000	0.000	1.000
1036.						
1037	5	39	47	0.000	0.000	1.000
1037.						
1038	5	39	45	0.000	0.000	1.000
1038.						
1039	5	39	43	0.000	0.000	1.000
1039.						
1040	5	39	42	0.000	0.000	1.000
1040.						
1041	5	39	40	0.000	0.000	1.000
1041.						
1042	5	39	39	0.000	0.000	1.000
1042.						
1043	5	39	37	0.000	0.000	1.000
1043.						
1044	5	39	36	0.000	0.000	1.000
1044.						
1045	5	39	34	0.000	0.000	1.000
1045.						
1046	5	39	46	0.000	0.000	1.000
1046.						
1047	5	39	44	0.000	0.000	1.000
1047.						
1048	5	39	43	0.000	0.000	1.000
1048.						
1049	5	39	41	0.000	0.000	1.000
1049.						
1050	5	39	40	0.000	0.000	1.000
1050.						
1051	5	39	38	0.000	0.000	1.000
1051.						
1052	5	39	37	0.000	0.000	1.000
1052.						
1053	5	39	35	0.000	0.000	1.000
1053.						
1054	5	39	33	0.000	0.000	1.000

BARRIER_LOWK.out						
1054.						
1055.	5	39	47	0.000	0.000	1.000
1056.						
1057.	5	39	45	0.000	0.000	1.000
1058.						
1059.	5	39	43	0.000	0.000	1.000
1060.						
1061.	5	39	42	0.000	0.000	1.000
1062.						
1063.	5	39	40	0.000	0.000	1.000
1064.						
1065.	5	39	39	0.000	0.000	1.000
1066.						
1067.	5	39	37	0.000	0.000	1.000
1068.						
1069.	5	39	36	0.000	0.000	1.000
1070.						
1071.	5	39	34	0.000	0.000	1.000
1072.						
1073.	5	38	46	0.000	0.000	1.000
1074.						
1075.	5	38	44	0.000	0.000	1.000
1076.						
1077.	5	38	43	0.000	0.000	1.000
1078.						
1079.	5	38	41	0.000	0.000	1.000
1080.						
1081.	5	38	40	0.000	0.000	1.000
1082.						
1083.	5	38	38	0.000	0.000	1.000
1084.						
1085.	5	38	37	0.000	0.000	1.000
1086.						
1087.	5	38	35	0.000	0.000	1.000
1088.						
1089.	5	38	33	0.000	0.000	1.000
1090.						
1091.	5	38	45	0.000	0.000	1.000
1092.						
1093.	5	38	43	0.000	0.000	1.000
1094.						
1095.	5	38	42	0.000	0.000	1.000
1096.						
1097.	5	38	40	0.000	0.000	1.000
1098.						
1099.	5	38	39	0.000	0.000	1.000
1100.						
1101.	5	38	37	0.000	0.000	1.000
1102.						
1103.	5	38	36	0.000	0.000	1.000
1104.						
1105.	5	38	34	0.000	0.000	1.000
1106.						
1107.	5	38	33	0.000	0.000	1.000
1108.						
1109.	5	38	46	0.000	0.000	1.000
1110.						
1111.	5	38	44	0.000	0.000	1.000
1112.						
1113.	5	38	43	0.000	0.000	1.000
1114.						
1115.	5	38	41	0.000	0.000	1.000
1116.						

				BARRIER_LOWK.out		
1086	5	38	40	0.000	0.000	1.000
1086.						
1087	5	38	38	0.000	0.000	1.000
1087.						
1088	5	38	37	0.000	0.000	1.000
1088.						
1089	5	38	35	0.000	0.000	1.000
1089.						
1090	5	38	33	0.000	0.000	1.000
1090.						
1091	5	37	45	0.000	0.000	1.000
1091.						
1092	5	37	43	0.000	0.000	1.000
1092.						
1093	5	37	42	0.000	0.000	1.000
1093.						
1094	5	37	40	0.000	0.000	1.000
1094.						
1095	5	37	39	0.000	0.000	1.000
1095.						
1096	5	37	37	0.000	0.000	1.000
1096.						
1097	5	37	36	0.000	0.000	1.000
1097.						
1098	5	37	34	0.000	0.000	1.000
1098.						
1099	5	37	33	0.000	0.000	1.000
1099.						
1100	5	37	46	0.000	0.000	1.000
1100.						
1101	5	37	44	0.000	0.000	1.000
1101.						
1102	5	37	43	0.000	0.000	1.000
1102.						
1103	5	37	41	0.000	0.000	1.000
1103.						
1104	5	37	40	0.000	0.000	1.000
1104.						
1105	5	37	38	0.000	0.000	1.000
1105.						
1106	5	37	37	0.000	0.000	1.000
1106.						
1107	5	37	35	0.000	0.000	1.000
1107.						
1108	5	37	33	0.000	0.000	1.000
1108.						
1109	5	36	45	0.000	0.000	1.000
1109.						
1110	5	36	43	0.000	0.000	1.000
1110.						
1111	5	36	42	0.000	0.000	1.000
1111.						
1112	5	36	40	0.000	0.000	1.000
1112.						
1113	5	36	39	0.000	0.000	1.000
1113.						
1114	5	36	37	0.000	0.000	1.000
1114.						
1115	5	36	36	0.000	0.000	1.000
1115.						
1116	5	36	34	0.000	0.000	1.000
1116.						
1117	5	36	33	0.000	0.000	1.000

BARRIER_LOWK.out

1117.						
1118.	5	36	46	0.000	0.000	1.000
1119.						
1120.	5	36	44	0.000	0.000	1.000
1121.						
1122.	5	36	43	0.000	0.000	1.000
1123.						
1124.	5	36	41	0.000	0.000	1.000
1125.						
1126.	5	36	40	0.000	0.000	1.000
1127.						
1128.	5	36	38	0.000	0.000	1.000
1129.						
1130.	5	36	37	0.000	0.000	1.000
1131.						
1132.	5	36	35	0.000	0.000	1.000
1133.						
1134.	5	36	33	0.000	0.000	1.000
1135.						
1136.	5	36	45	0.000	0.000	1.000
1137.						
1138.	5	36	43	0.000	0.000	1.000
1139.						
1140.	5	36	42	0.000	0.000	1.000
1141.						
1142.	5	36	40	0.000	0.000	1.000
1143.						
1144.	5	36	39	0.000	0.000	1.000
1145.						
1146.	5	36	37	0.000	0.000	1.000
1147.						
1148.	5	36	36	0.000	0.000	1.000
1149.						
1150.	5	36	34	0.000	0.000	1.000
1151.						
1152.	5	36	33	0.000	0.000	1.000
1153.						
1154.	5	35	44	0.000	0.000	1.000
1155.						
1156.	5	35	43	0.000	0.000	1.000
1157.						
1158.	5	35	41	0.000	0.000	1.000
1159.						
1160.	5	35	40	0.000	0.000	1.000
1161.						
1162.	5	35	38	0.000	0.000	1.000
1163.						
1164.	5	35	37	0.000	0.000	1.000
1165.						
1166.	5	35	35	0.000	0.000	1.000
1167.						
1168.	5	35	33	0.000	0.000	1.000
1169.						
1170.	5	35	45	0.000	0.000	1.000
1171.						
1172.	5	35	43	0.000	0.000	1.000
1173.						
1174.	5	35	42	0.000	0.000	1.000
1175.						
1176.	5	35	40	0.000	0.000	1.000
1177.						
1178.	5	35	39	0.000	0.000	1.000
1179.						

				BARRIER_LOWK.out		
1149	5	35	37	0.000	0.000	1.000
1149.						
1150	5	35	36	0.000	0.000	1.000
1150.						
1151	5	35	34	0.000	0.000	1.000
1151.						
1152	5	35	33	0.000	0.000	1.000
1152.						
1153	5	35	44	0.000	0.000	1.000
1153.						
1154	5	35	43	0.000	0.000	1.000
1154.						
1155	5	35	41	0.000	0.000	1.000
1155.						
1156	5	35	40	0.000	0.000	1.000
1156.						
1157	5	35	38	0.000	0.000	1.000
1157.						
1158	5	35	37	0.000	0.000	1.000
1158.						
1159	5	35	35	0.000	0.000	1.000
1159.						
1160	5	35	33	0.000	0.000	1.000
1160.						
1161	5	35	32	0.000	0.000	1.000
1161.						
1162	5	34	45	0.000	0.000	1.000
1162.						
1163	5	34	43	0.000	0.000	1.000
1163.						
1164	5	34	42	0.000	0.000	1.000
1164.						
1165	5	34	40	0.000	0.000	1.000
1165.						
1166	5	34	39	0.000	0.000	1.000
1166.						
1167	5	34	37	0.000	0.000	1.000
1167.						
1168	5	34	36	0.000	0.000	1.000
1168.						
1169	5	34	34	0.000	0.000	1.000
1169.						
1170	5	34	33	0.000	0.000	1.000
1170.						
1171	5	34	44	0.000	0.000	1.000
1171.						
1172	5	34	43	0.000	0.000	1.000
1172.						
1173	5	34	41	0.000	0.000	1.000
1173.						
1174	5	34	40	0.000	0.000	1.000
1174.						
1175	5	34	38	0.000	0.000	1.000
1175.						
1176	5	34	37	0.000	0.000	1.000
1176.						
1177	5	34	35	0.000	0.000	1.000
1177.						
1178	5	34	33	0.000	0.000	1.000
1178.						
1179	5	34	32	0.000	0.000	1.000
1179.						
1180	5	33	43	0.000	0.000	1.000

				BARRIER_LOWK.out		
1180.						
1181.	5	33	42	0.000	0.000	1.000
1182.	5	33	40	0.000	0.000	1.000
1183.	5	33	39	0.000	0.000	1.000
1184.	5	33	37	0.000	0.000	1.000
1185.	5	33	36	0.000	0.000	1.000
1186.	5	33	34	0.000	0.000	1.000
1187.	5	33	33	0.000	0.000	1.000
1188.	5	33	44	0.000	0.000	1.000
1189.	5	33	43	0.000	0.000	1.000
1190.	5	33	41	0.000	0.000	1.000
1191.	5	33	40	0.000	0.000	1.000
1192.	5	33	38	0.000	0.000	1.000
1193.	5	33	37	0.000	0.000	1.000
1194.	5	33	35	0.000	0.000	1.000
1195.	5	33	33	0.000	0.000	1.000
1196.	5	33	32	0.000	0.000	1.000
1197.	5	33	43	0.000	0.000	1.000
1198.	5	33	42	0.000	0.000	1.000
1199.	5	33	40	0.000	0.000	1.000
1200.	5	33	39	0.000	0.000	1.000
1201.	5	33	37	0.000	0.000	1.000
1202.	5	33	36	0.000	0.000	1.000
1203.	5	33	34	0.000	0.000	1.000
1204.	5	33	33	0.000	0.000	1.000
1205.	5	32	44	0.000	0.000	1.000
1206.	5	32	43	0.000	0.000	1.000
1207.	5	32	41	0.000	0.000	1.000
1208.	5	32	40	0.000	0.000	1.000
1209.	5	32	38	0.000	0.000	1.000
1210.	5	32	37	0.000	0.000	1.000
1211.	5	32	35	0.000	0.000	1.000

				BARRIER_LOWK.out		
1212	5	32	33	0.000	0.000	1.000
1212.						
1213	5	32	32	0.000	0.000	1.000
1213.						
1214	5	32	43	0.000	0.000	1.000
1214.						
1215	5	32	42	0.000	0.000	1.000
1215.						
1216	5	32	40	0.000	0.000	1.000
1216.						
1217	5	32	39	0.000	0.000	1.000
1217.						
1218	5	32	37	0.000	0.000	1.000
1218.						
1219	5	32	36	0.000	0.000	1.000
1219.						
1220	5	32	34	0.000	0.000	1.000
1220.						
1221	5	32	33	0.000	0.000	1.000
1221.						
1222	5	32	31	0.000	0.000	1.000
1222.						
1223	5	32	44	0.000	0.000	1.000
1223.						
1224	5	32	43	0.000	0.000	1.000
1224.						
1225	5	32	41	0.000	0.000	1.000
1225.						
1226	5	32	40	0.000	0.000	1.000
1226.						
1227	5	32	38	0.000	0.000	1.000
1227.						
1228	5	32	37	0.000	0.000	1.000
1228.						
1229	5	32	35	0.000	0.000	1.000
1229.						
1230	5	32	33	0.000	0.000	1.000
1230.						
1231	5	32	32	0.000	0.000	1.000
1231.						
1232	5	31	43	0.000	0.000	1.000
1232.						
1233	5	31	42	0.000	0.000	1.000
1233.						
1234	5	31	40	0.000	0.000	1.000
1234.						
1235	5	31	39	0.000	0.000	1.000
1235.						
1236	5	31	37	0.000	0.000	1.000
1236.						
1237	5	31	36	0.000	0.000	1.000
1237.						
1238	5	31	34	0.000	0.000	1.000
1238.						
1239	5	31	33	0.000	0.000	1.000
1239.						
1240	5	31	31	0.000	0.000	1.000
1240.						
1241	5	31	44	0.000	0.000	1.000
1241.						
1242	5	31	43	0.000	0.000	1.000
1242.						
1243	5	31	41	0.000	0.000	1.000

BARRIER_LOWK.out						
1243.						
1244.	5	31	40	0.000	0.000	1.000
1245.						
1246.	5	31	38	0.000	0.000	1.000
1247.						
1248.	5	31	37	0.000	0.000	1.000
1249.						
1250.	5	31	35	0.000	0.000	1.000
1251.						
1252.	5	31	33	0.000	0.000	1.000
1253.						
1254.	5	31	32	0.000	0.000	1.000
1255.						
1256.	5	30	43	0.000	0.000	1.000
1257.						
1258.	5	30	42	0.000	0.000	1.000
1259.						
1260.	5	30	40	0.000	0.000	1.000
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1262.	5	30	39	0.000	0.000	1.000
1263.						
1264.	5	30	37	0.000	0.000	1.000
1265.						
1266.	5	30	36	0.000	0.000	1.000
1267.						
1268.	5	30	34	0.000	0.000	1.000
1269.						
1270.	5	30	33	0.000	0.000	1.000
1271.						
1272.	5	30	31	0.000	0.000	1.000
1273.						
1274.	5	30	44	0.000	0.000	1.000
1275.						
1276.	5	30	43	0.000	0.000	1.000
1277.						
1278.	5	30	41	0.000	0.000	1.000
1279.						
1280.	5	30	40	0.000	0.000	1.000
1281.						
1282.	5	30	38	0.000	0.000	1.000
1283.						
1284.	5	30	37	0.000	0.000	1.000
1285.						
1286.	5	30	35	0.000	0.000	1.000
1287.						
1288.	5	30	33	0.000	0.000	1.000
1289.						
1290.	5	30	32	0.000	0.000	1.000
1291.						
1292.	5	30	43	0.000	0.000	1.000
1293.						
1294.	5	30	42	0.000	0.000	1.000
1295.						
1296.	5	30	40	0.000	0.000	1.000
1297.						
1298.	5	30	39	0.000	0.000	1.000
1299.						
1300.	5	30	37	0.000	0.000	1.000
1301.						
1302.	5	30	36	0.000	0.000	1.000
1303.						
1304.	5	30	34	0.000	0.000	1.000
1305.						

				BARRIER_LOWK.out		
1275	5	30	33	0.000	0.000	1.000
1275.						
1276	5	30	31	0.000	0.000	1.000
1276.						
1277	5	29	44	0.000	0.000	1.000
1277.						
1278	5	29	43	0.000	0.000	1.000
1278.						
1279	5	29	41	0.000	0.000	1.000
1279.						
1280	5	29	40	0.000	0.000	1.000
1280.						
1281	5	29	38	0.000	0.000	1.000
1281.						
1282	5	29	37	0.000	0.000	1.000
1282.						
1283	5	29	35	0.000	0.000	1.000
1283.						
1284	5	29	33	0.000	0.000	1.000
1284.						
1285	5	29	32	0.000	0.000	1.000
1285.						
1286	5	29	43	0.000	0.000	1.000
1286.						
1287	5	29	42	0.000	0.000	1.000
1287.						
1288	5	29	40	0.000	0.000	1.000
1288.						
1289	5	29	39	0.000	0.000	1.000
1289.						
1290	5	29	37	0.000	0.000	1.000
1290.						
1291	5	29	36	0.000	0.000	1.000
1291.						
1292	5	29	34	0.000	0.000	1.000
1292.						
1293	5	29	33	0.000	0.000	1.000
1293.						
1294	5	29	31	0.000	0.000	1.000
1294.						
1295	5	29	44	0.000	0.000	1.000
1295.						
1296	5	29	43	0.000	0.000	1.000
1296.						
1297	5	29	41	0.000	0.000	1.000
1297.						
1298	5	29	40	0.000	0.000	1.000
1298.						
1299	5	29	38	0.000	0.000	1.000
1299.						
1300	5	29	37	0.000	0.000	1.000
1300.						
1301	5	29	35	0.000	0.000	1.000
1301.						
1302	5	29	33	0.000	0.000	1.000
1302.						
1303	5	29	32	0.000	0.000	1.000
1303.						
1304	5	29	30	0.000	0.000	1.000
1304.						
1305	5	28	43	0.000	0.000	1.000
1305.						
1306	5	28	42	0.000	0.000	1.000

BARRIER_LOWK.out						
1306.						
1307.	5	28	40	0.000	0.000	1.000
1307.						
1308.	5	28	39	0.000	0.000	1.000
1308.						
1309.	5	28	37	0.000	0.000	1.000
1309.						
1310.	5	28	36	0.000	0.000	1.000
1310.						
1311.	5	28	34	0.000	0.000	1.000
1311.						
1312.	5	28	33	0.000	0.000	1.000
1312.						
1313.	5	28	31	0.000	0.000	1.000
1313.						
1314.	5	28	44	0.000	0.000	1.000
1314.						
1315.	5	28	43	0.000	0.000	1.000
1315.						
1316.	5	28	41	0.000	0.000	1.000
1316.						
1317.	5	28	40	0.000	0.000	1.000
1317.						
1318.	5	28	38	0.000	0.000	1.000
1318.						
1319.	5	28	37	0.000	0.000	1.000
1319.						
1320.	5	28	35	0.000	0.000	1.000
1320.						
1321.	5	28	33	0.000	0.000	1.000
1321.						
1322.	5	28	32	0.000	0.000	1.000
1322.						
1323.	5	28	30	0.000	0.000	1.000
1323.						
1324.	5	27	43	0.000	0.000	1.000
1324.						
1325.	5	27	42	0.000	0.000	1.000
1325.						
1326.	5	27	40	0.000	0.000	1.000
1326.						
1327.	5	27	39	0.000	0.000	1.000
1327.						
1328.	5	27	37	0.000	0.000	1.000
1328.						
1329.	5	27	36	0.000	0.000	1.000
1329.						
1330.	5	27	34	0.000	0.000	1.000
1330.						
1331.	5	27	33	0.000	0.000	1.000
1331.						
1332.	5	27	31	0.000	0.000	1.000
1332.						
1333.	5	27	44	0.000	0.000	1.000
1333.						
1334.	5	27	43	0.000	0.000	1.000
1334.						
1335.	5	27	41	0.000	0.000	1.000
1335.						
1336.	5	27	40	0.000	0.000	1.000
1336.						
1337.	5	27	38	0.000	0.000	1.000
1337.						

				BARRIER_LOWK.out		
1338	5	27	37	0.000	0.000	1.000
1338.						
1339	5	27	35	0.000	0.000	1.000
1339.						
1340	5	27	33	0.000	0.000	1.000
1340.						
1341	5	27	32	0.000	0.000	1.000
1341.						
1342	5	27	30	0.000	0.000	1.000
1342.						
1343	5	27	43	0.000	0.000	1.000
1343.						
1344	5	27	42	0.000	0.000	1.000
1344.						
1345	5	27	40	0.000	0.000	1.000
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1346	5	27	39	0.000	0.000	1.000
1346.						
1347	5	27	37	0.000	0.000	1.000
1347.						
1348	5	27	36	0.000	0.000	1.000
1348.						
1349	5	27	34	0.000	0.000	1.000
1349.						
1350	5	27	33	0.000	0.000	1.000
1350.						
1351	5	27	31	0.000	0.000	1.000
1351.						
1352	5	26	43	0.000	0.000	1.000
1352.						
1353	5	26	41	0.000	0.000	1.000
1353.						
1354	5	26	40	0.000	0.000	1.000
1354.						
1355	5	26	38	0.000	0.000	1.000
1355.						
1356	5	26	37	0.000	0.000	1.000
1356.						
1357	5	26	35	0.000	0.000	1.000
1357.						
1358	5	26	33	0.000	0.000	1.000
1358.						
1359	5	26	32	0.000	0.000	1.000
1359.						
1360	5	26	30	0.000	0.000	1.000
1360.						
1361	5	26	43	0.000	0.000	1.000
1361.						
1362	5	26	42	0.000	0.000	1.000
1362.						
1363	5	26	40	0.000	0.000	1.000
1363.						
1364	5	26	39	0.000	0.000	1.000
1364.						
1365	5	26	37	0.000	0.000	1.000
1365.						
1366	5	26	36	0.000	0.000	1.000
1366.						
1367	5	26	34	0.000	0.000	1.000
1367.						
1368	5	26	33	0.000	0.000	1.000
1368.						
1369	5	26	31	0.000	0.000	1.000

BARRIER_LOWK.out						
1369.						
1370.	5	26	43	0.000	0.000	1.000
1371.						
1372.	5	26	41	0.000	0.000	1.000
1373.						
1374.	5	26	40	0.000	0.000	1.000
1375.						
1376.	5	26	38	0.000	0.000	1.000
1377.						
1378.	5	26	37	0.000	0.000	1.000
1379.						
1380.	5	26	35	0.000	0.000	1.000
1381.						
1382.	5	26	33	0.000	0.000	1.000
1383.						
1384.	5	26	32	0.000	0.000	1.000
1385.						
1386.	5	26	30	0.000	0.000	1.000
1387.						
1388.	5	25	43	0.000	0.000	1.000
1389.						
1390.	5	25	42	0.000	0.000	1.000
1391.						
1392.	5	25	40	0.000	0.000	1.000
1393.						
1394.	5	25	39	0.000	0.000	1.000
1395.						
1396.	5	25	37	0.000	0.000	1.000
1397.						
1398.	5	25	36	0.000	0.000	1.000
1399.						
1400.	5	25	34	0.000	0.000	1.000
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1402.	5	25	33	0.000	0.000	1.000
1403.						
1404.	5	25	31	0.000	0.000	1.000
1405.						
1406.	5	25	30	0.000	0.000	1.000
1407.						
1408.	5	25	43	0.000	0.000	1.000
1409.						
1410.	5	25	41	0.000	0.000	1.000
1411.						
1412.	5	25	40	0.000	0.000	1.000
1413.						
1414.	5	25	38	0.000	0.000	1.000
1415.						
1416.	5	25	37	0.000	0.000	1.000
1417.						
1418.	5	25	35	0.000	0.000	1.000
1419.						
1420.	5	25	33	0.000	0.000	1.000
1421.						
1422.	5	25	32	0.000	0.000	1.000
1423.						
1424.	5	25	30	0.000	0.000	1.000
1425.						
1426.	5	24	42	0.000	0.000	1.000
1427.						
1428.	5	24	40	0.000	0.000	1.000
1429.						
1430.	5	24	39	0.000	0.000	1.000

				BARRIER_LOWK.out		
1401	5	24	37	0.000	0.000	1.000
1401.						
1402	5	24	36	0.000	0.000	1.000
1402.						
1403	5	24	34	0.000	0.000	1.000
1403.						
1404	5	24	33	0.000	0.000	1.000
1404.						
1405	5	24	31	0.000	0.000	1.000
1405.						
1406	5	24	30	0.000	0.000	1.000
1406.						
1407	5	24	43	0.000	0.000	1.000
1407.						
1408	5	24	41	0.000	0.000	1.000
1408.						
1409	5	24	40	0.000	0.000	1.000
1409.						
1410	5	24	38	0.000	0.000	1.000
1410.						
1411	5	24	37	0.000	0.000	1.000
1411.						
1412	5	24	35	0.000	0.000	1.000
1412.						
1413	5	24	33	0.000	0.000	1.000
1413.						
1414	5	24	32	0.000	0.000	1.000
1414.						
1415	5	24	30	0.000	0.000	1.000
1415.						
1416	5	24	42	0.000	0.000	1.000
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1417	5	24	40	0.000	0.000	1.000
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1418	5	24	39	0.000	0.000	1.000
1418.						
1419	5	24	37	0.000	0.000	1.000
1419.						
1420	5	24	36	0.000	0.000	1.000
1420.						
1421	5	24	34	0.000	0.000	1.000
1421.						
1422	5	24	33	0.000	0.000	1.000
1422.						
1423	5	24	31	0.000	0.000	1.000
1423.						
1424	5	24	30	0.000	0.000	1.000
1424.						
1425	5	23	41	0.000	0.000	1.000
1425.						
1426	5	23	40	0.000	0.000	1.000
1426.						
1427	5	23	38	0.000	0.000	1.000
1427.						
1428	5	23	37	0.000	0.000	1.000
1428.						
1429	5	23	35	0.000	0.000	1.000
1429.						
1430	5	23	33	0.000	0.000	1.000
1430.						
1431	5	23	32	0.000	0.000	1.000
1431.						
1432	5	23	30	0.000	0.000	1.000

BARRIER_LOWK.out						
1432.						
1433.	5	23	42	0.000	0.000	1.000
1434.						
1435.	5	23	40	0.000	0.000	1.000
1436.						
1437.	5	23	39	0.000	0.000	1.000
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1439.	5	23	37	0.000	0.000	1.000
1440.						
1441.	5	23	36	0.000	0.000	1.000
1442.						
1443.	5	23	34	0.000	0.000	1.000
1444.						
1445.	5	23	33	0.000	0.000	1.000
1446.						
1447.	5	23	31	0.000	0.000	1.000
1448.						
1449.	5	23	30	0.000	0.000	1.000
1450.						
1451.	5	23	41	0.000	0.000	1.000
1452.						
1453.	5	23	40	0.000	0.000	1.000
1454.						
1455.	5	23	38	0.000	0.000	1.000
1456.						
1457.	5	23	37	0.000	0.000	1.000
1458.						
1459.	5	23	35	0.000	0.000	1.000
1460.						
1461.	5	22	42	0.000	0.000	1.000
1462.						
1463.	5	22	40	0.000	0.000	1.000
1464.						
1465.	5	22	39	0.000	0.000	1.000
1466.						
1467.	5	22	37	0.000	0.000	1.000
1468.						
1469.	5	22	36	0.000	0.000	1.000
1470.						
1471.	5	22	34	0.000	0.000	1.000
1472.						
1473.	5	22	33	0.000	0.000	1.000
1474.						
1475.	5	22	31	0.000	0.000	1.000
1476.						
1477.	5	22	30	0.000	0.000	1.000
1478.						
1479.	5	22	41	0.000	0.000	1.000
1480.						
1481.	5	22	40	0.000	0.000	1.000
1482.						
1483.	5	22	38	0.000	0.000	1.000
1484.						
1485.	5	22	37	0.000	0.000	1.000
1486.						
1487.	5	22	35	0.000	0.000	1.000
1488.						

				BARRIER_LOWK.out		
1464	5	22	33	0.000	0.000	1.000
1464.						
1465	5	22	32	0.000	0.000	1.000
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1466	5	22	30	0.000	0.000	1.000
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1467	5	22	29	0.000	0.000	1.000
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1469	5	21	39	0.000	0.000	1.000
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1470	5	21	37	0.000	0.000	1.000
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1471	5	21	36	0.000	0.000	1.000
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1472	5	21	34	0.000	0.000	1.000
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1479	5	21	37	0.000	0.000	1.000
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1480	5	21	35	0.000	0.000	1.000
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1481	5	21	33	0.000	0.000	1.000
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1482	5	21	32	0.000	0.000	1.000
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1483	5	21	30	0.000	0.000	1.000
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1485	5	21	40	0.000	0.000	1.000
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1486	5	21	39	0.000	0.000	1.000
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1487	5	21	37	0.000	0.000	1.000
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1488	5	21	36	0.000	0.000	1.000
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1489	5	21	34	0.000	0.000	1.000
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1491	5	21	31	0.000	0.000	1.000
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1492.						
1493	5	20	40	0.000	0.000	1.000
1493.						
1494	5	20	38	0.000	0.000	1.000
1494.						
1495	5	20	37	0.000	0.000	1.000

BARRIER_LOWK.out

1495.						
1496	5	20	35	0.000	0.000	1.000
1496.						
1497	5	20	33	0.000	0.000	1.000
1497.						
1498	5	20	32	0.000	0.000	1.000
1498.						
1499	5	20	30	0.000	0.000	1.000
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1500	5	20	29	0.000	0.000	1.000
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1501	5	20	40	0.000	0.000	1.000
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1502	5	20	39	0.000	0.000	1.000
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1503	5	20	37	0.000	0.000	1.000
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1504	5	20	36	0.000	0.000	1.000
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1505	5	20	34	0.000	0.000	1.000
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1506	5	20	33	0.000	0.000	1.000
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1507	5	20	31	0.000	0.000	1.000
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1508	5	20	30	0.000	0.000	1.000
1508.						
1509	5	20	40	0.000	0.000	1.000
1509.						
1510	5	20	38	0.000	0.000	1.000
1510.						
1511	5	20	37	0.000	0.000	1.000
1511.						
1512	5	20	35	0.000	0.000	1.000
1512.						
1513	5	20	33	0.000	0.000	1.000
1513.						
1514	5	20	32	0.000	0.000	1.000
1514.						
1515	5	20	30	0.000	0.000	1.000
1515.						
1516	5	20	29	0.000	0.000	1.000
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1517	5	19	40	0.000	0.000	1.000
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1518	5	19	39	0.000	0.000	1.000
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1520	5	19	36	0.000	0.000	1.000
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1525	5	19	28	0.000	0.000	1.000
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1526	5	19	40	0.000	0.000	1.000
1526.						

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1527	5	19	38	0.000	0.000	1.000
1527.						
1528	5	19	37	0.000	0.000	1.000
1528.						
1529	5	19	35	0.000	0.000	1.000
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1530	5	19	33	0.000	0.000	1.000
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1531	5	19	32	0.000	0.000	1.000
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1532	5	19	30	0.000	0.000	1.000
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1533	5	19	29	0.000	0.000	1.000
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1534	5	18	39	0.000	0.000	1.000
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1535	5	18	37	0.000	0.000	1.000
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1537	5	18	34	0.000	0.000	1.000
1537.						
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1539	5	18	31	0.000	0.000	1.000
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1551	5	18	37	0.000	0.000	1.000
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1552	5	18	36	0.000	0.000	1.000
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1553	5	18	34	0.000	0.000	1.000
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1555	5	18	31	0.000	0.000	1.000
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1558	5	17	38	0.000	0.000	1.000

				BARRIER_LOWK.out		
1558.						
1559	5	17	37	0.000	0.000	1.000
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1560	5	17	35	0.000	0.000	1.000
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1561	5	17	33	0.000	0.000	1.000
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1566	5	17	37	0.000	0.000	1.000
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1567	5	17	36	0.000	0.000	1.000
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1568	5	17	34	0.000	0.000	1.000
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1571	5	17	30	0.000	0.000	1.000
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1573	5	17	38	0.000	0.000	1.000
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1574	5	17	37	0.000	0.000	1.000
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1575	5	17	35	0.000	0.000	1.000
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1583	5	16	34	0.000	0.000	1.000
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1584	5	16	33	0.000	0.000	1.000
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1587	5	16	28	0.000	0.000	1.000
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1588	5	16	38	0.000	0.000	1.000
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1589	5	16	37	0.000	0.000	1.000
1589.						

				BARRIER_LOWK.out		
1590	5	16	35	0.000	0.000	1.000
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1594	5	16	29	0.000	0.000	1.000
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1598	5	15	34	0.000	0.000	1.000
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1600	5	15	31	0.000	0.000	1.000
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1618.						
1619	5	14	37	0.000	0.000	1.000
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1620	5	14	35	0.000	0.000	1.000
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BARRIER_LOWK.out						
1621.						
1622.	5	14	32	0.000	0.000	1.000
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1796.	5	13	30	0.000	0.000	1.000
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1799.						
1800.	5	13	30	0.000	0.000	1.000

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1682	5	11	27	0.000	0.000	1.000
1682.						
1683	5	11	26	0.000	0.000	1.000
1683.						
1684	5	11	34	0.000	0.000	1.000

BARRIER_LOWK.out

1684.						
1685.	5	11	33	0.000	0.000	1.000
1686.						
1687.	5	11	31	0.000	0.000	1.000
1688.						
1689.	5	11	30	0.000	0.000	1.000
1690.						
1691.	5	11	28	0.000	0.000	1.000
1692.						
1693.	5	11	26	0.000	0.000	1.000
1694.						
1695.	5	11	25	0.000	0.000	1.000
1696.						
1697.	5	11	35	0.000	0.000	1.000
1698.						
1699.	5	11	33	0.000	0.000	1.000
1700.						
1701.	5	11	32	0.000	0.000	1.000
1702.						
1703.	5	11	30	0.000	0.000	1.000
1704.						
1705.	5	11	29	0.000	0.000	1.000
1706.						
1707.	5	11	27	0.000	0.000	1.000
1708.						
1709.	5	11	26	0.000	0.000	1.000
1710.						
1711.	5	10	34	0.000	0.000	1.000
1712.						
1713.	5	10	33	0.000	0.000	1.000
1714.						
1715.	5	10	31	0.000	0.000	1.000
1716.						
1717.	5	10	30	0.000	0.000	1.000
1718.						
1719.	5	10	28	0.000	0.000	1.000
1720.						
1721.	5	10	26	0.000	0.000	1.000
1722.						
1723.	5	10	25	0.000	0.000	1.000
1724.						
1725.	5	10	35	0.000	0.000	1.000
1726.						
1727.	5	10	33	0.000	0.000	1.000
1728.						
1729.	5	10	32	0.000	0.000	1.000
1730.						
1731.	5	10	30	0.000	0.000	1.000
1732.						
1733.	5	10	28	0.000	0.000	1.000
1734.						
1735.	5	10	26	0.000	0.000	1.000
1736.						
1737.	5	10	25	0.000	0.000	1.000
1738.						
1739.	5	10	35	0.000	0.000	1.000
1740.						
1741.	5	10	33	0.000	0.000	1.000
1742.						
1743.	5	10	32	0.000	0.000	1.000
1744.						
1745.	5	10	30	0.000	0.000	1.000
1746.						
1747.	5	10	28	0.000	0.000	1.000
1748.						
1749.	5	10	26	0.000	0.000	1.000
1750.						
1751.	5	10	25	0.000	0.000	1.000
1752.						
1753.	5	9	34	0.000	0.000	1.000
1754.						
1755.	5	9	33	0.000	0.000	1.000
1756.						
1757.	5	9	31	0.000	0.000	1.000
1758.						
1759.	5	9	30	0.000	0.000	1.000
1760.						

				BARRIER_LOWK.out		
1716	5	9	28	0.000	0.000	1.000
1716.						
1717	5	9	26	0.000	0.000	1.000
1717.						
1718	5	9	25	0.000	0.000	1.000
1718.						
1719	5	9	33	0.000	0.000	1.000
1719.						
1720	5	9	32	0.000	0.000	1.000
1720.						
1721	5	9	30	0.000	0.000	1.000
1721.						
1722	5	9	29	0.000	0.000	1.000
1722.						
1723	5	9	27	0.000	0.000	1.000
1723.						
1724	5	9	26	0.000	0.000	1.000
1724.						
1725	5	9	24	0.000	0.000	1.000
1725.						
1726	5	9	34	0.000	0.000	1.000
1726.						
1727	5	9	33	0.000	0.000	1.000
1727.						
1728	5	9	31	0.000	0.000	1.000
1728.						
1729	5	9	30	0.000	0.000	1.000
1729.						
1730	5	9	28	0.000	0.000	1.000
1730.						
1731	5	9	26	0.000	0.000	1.000
1731.						
1732	5	9	25	0.000	0.000	1.000
1732.						
1733	5	8	33	0.000	0.000	1.000
1733.						
1734	5	8	32	0.000	0.000	1.000
1734.						
1735	5	8	30	0.000	0.000	1.000
1735.						
1736	5	8	29	0.000	0.000	1.000
1736.						
1737	5	8	27	0.000	0.000	1.000
1737.						
1738	5	8	26	0.000	0.000	1.000
1738.						
1739	5	8	24	0.000	0.000	1.000
1739.						
1740	5	8	33	0.000	0.000	1.000
1740.						
1741	5	8	31	0.000	0.000	1.000
1741.						
1742	5	8	30	0.000	0.000	1.000
1742.						
1743	5	8	28	0.000	0.000	1.000
1743.						
1744	5	8	26	0.000	0.000	1.000
1744.						
1745	5	8	25	0.000	0.000	1.000
1745.						
1746	5	8	33	0.000	0.000	1.000
1746.						
1747	5	8	32	0.000	0.000	1.000

BARRIER_LOWK.out

1747.						
1748.	5	8	30	0.000	0.000	1.000
1749.						
1749.	5	8	29	0.000	0.000	1.000
1750.						
1750.	5	8	27	0.000	0.000	1.000
1751.						
1751.	5	8	26	0.000	0.000	1.000
1752.						
1752.	5	8	24	0.000	0.000	1.000
1753.						
1753.	5	7	33	0.000	0.000	1.000
1754.						
1754.	5	7	31	0.000	0.000	1.000
1755.						
1755.	5	7	30	0.000	0.000	1.000
1756.						
1756.	5	7	28	0.000	0.000	1.000
1757.						
1757.	5	7	26	0.000	0.000	1.000
1758.						
1758.	5	7	25	0.000	0.000	1.000
1759.						
1759.	5	7	23	0.000	0.000	1.000
1760.						
1760.	5	7	32	0.000	0.000	1.000
1761.						
1761.	5	7	30	0.000	0.000	1.000
1762.						
1762.	5	7	29	0.000	0.000	1.000
1763.						
1763.	5	7	27	0.000	0.000	1.000
1764.						
1764.	5	7	26	0.000	0.000	1.000
1765.						
1765.	5	7	24	0.000	0.000	1.000
1766.						
1766.	5	6	33	0.000	0.000	1.000
1767.						
1767.	5	6	31	0.000	0.000	1.000
1768.						
1768.	5	6	30	0.000	0.000	1.000
1769.						
1769.	5	6	28	0.000	0.000	1.000
1770.						
1770.	5	6	26	0.000	0.000	1.000
1771.						
1771.	5	6	25	0.000	0.000	1.000
1772.						
1772.	5	6	23	0.000	0.000	1.000
1773.						
1773.	5	6	32	0.000	0.000	1.000
1774.						
1774.	5	6	30	0.000	0.000	1.000
1775.						
1775.	5	6	29	0.000	0.000	1.000
1776.						
1776.	5	6	27	0.000	0.000	1.000
1777.						
1777.	5	6	26	0.000	0.000	1.000
1778.						
1778.	5	6	24	0.000	0.000	1.000

				BARRIER_LOWK.out		
1779	5	6	23	0.000	0.000	1.000
1779.						
1780	5	6	31	0.000	0.000	1.000
1780.						
1781	5	6	30	0.000	0.000	1.000
1781.						
1782	5	6	28	0.000	0.000	1.000
1782.						
1783	5	6	26	0.000	0.000	1.000
1783.						
1784	5	6	25	0.000	0.000	1.000
1784.						
1785	5	6	23	0.000	0.000	1.000
1785.						
1786	5	5	32	0.000	0.000	1.000
1786.						
1787	5	5	30	0.000	0.000	1.000
1787.						
1788	5	5	29	0.000	0.000	1.000
1788.						
1789	5	5	27	0.000	0.000	1.000
1789.						
1790	5	5	26	0.000	0.000	1.000
1790.						
1791	5	5	24	0.000	0.000	1.000
1791.						
1792	5	5	23	0.000	0.000	1.000
1792.						
1793	5	5	31	0.000	0.000	1.000
1793.						
1794	5	5	30	0.000	0.000	1.000
1794.						
1795	5	5	28	0.000	0.000	1.000
1795.						
1796	5	5	26	0.000	0.000	1.000
1796.						
1797	5	5	25	0.000	0.000	1.000
1797.						
1798	5	5	23	0.000	0.000	1.000
1798.						
1799	5	5	22	0.000	0.000	1.000
1799.						
1800	5	5	30	0.000	0.000	1.000
1800.						
1801	5	5	29	0.000	0.000	1.000
1801.						
1802	5	5	27	0.000	0.000	1.000
1802.						
1803	5	5	26	0.000	0.000	1.000
1803.						
1804	5	5	24	0.000	0.000	1.000
1804.						
1805	5	5	23	0.000	0.000	1.000
1805.						
1806	5	4	31	0.000	0.000	1.000
1806.						
1807	5	4	30	0.000	0.000	1.000
1807.						
1808	5	4	28	0.000	0.000	1.000
1808.						
1809	5	4	26	0.000	0.000	1.000
1809.						
1810	5	4	25	0.000	0.000	1.000

BARRIER_LOWK.out						
1810.						
1811.	5	4	23	0.000	0.000	1.000
1812.	5	4	22	0.000	0.000	1.000
1813.	5	4	30	0.000	0.000	1.000
1814.	5	4	29	0.000	0.000	1.000
1815.	5	4	27	0.000	0.000	1.000
1816.	5	4	26	0.000	0.000	1.000
1817.	5	4	24	0.000	0.000	1.000
1818.	5	4	23	0.000	0.000	1.000
1819.	5	4	21	0.000	0.000	1.000
1820.	5	86	51	0.000	0.000	1.000
1821.	5	86	50	0.000	0.000	1.000
1822.	5	86	49	0.000	0.000	1.000
1823.	5	86	49	0.000	0.000	1.000
1824.	5	86	48	0.000	0.000	1.000
1825.	5	86	47	0.000	0.000	1.000
1826.	5	86	46	0.000	0.000	1.000
1827.	5	86	46	0.000	0.000	1.000
1828.	5	86	45	0.000	0.000	1.000
1829.	5	85	51	0.000	0.000	1.000
1830.	5	85	51	0.000	0.000	1.000
1831.	5	85	50	0.000	0.000	1.000
1832.	5	85	49	0.000	0.000	1.000
1833.	5	85	48	0.000	0.000	1.000
1834.	5	85	48	0.000	0.000	1.000
1835.	5	85	47	0.000	0.000	1.000
1836.	5	85	46	0.000	0.000	1.000
1837.	5	85	45	0.000	0.000	1.000
1838.	5	85	45	0.000	0.000	1.000
1839.	5	85	52	0.000	0.000	1.000
1840.	5	85	51	0.000	0.000	1.000
1841.	5	85	50	0.000	0.000	1.000

				BARRIER_LOWK.out		
1842	5	85	49	0.000	0.000	1.000
1842.						
1843	5	85	49	0.000	0.000	1.000
1843.						
1844	5	85	48	0.000	0.000	1.000
1844.						
1845	5	85	47	0.000	0.000	1.000
1845.						
1846	5	85	46	0.000	0.000	1.000
1846.						
1847	5	85	46	0.000	0.000	1.000
1847.						
1848	5	85	45	0.000	0.000	1.000
1848.						
1849	5	85	51	0.000	0.000	1.000
1849.						
1850	5	85	51	0.000	0.000	1.000
1850.						
1851	5	85	50	0.000	0.000	1.000
1851.						
1852	5	85	49	0.000	0.000	1.000
1852.						
1853	5	85	48	0.000	0.000	1.000
1853.						
1854	5	85	48	0.000	0.000	1.000
1854.						
1855	5	85	47	0.000	0.000	1.000
1855.						
1856	5	85	46	0.000	0.000	1.000
1856.						
1857	5	85	45	0.000	0.000	1.000
1857.						
1858	5	85	45	0.000	0.000	1.000
1858.						
1859	5	84	52	0.000	0.000	1.000
1859.						
1860	5	84	51	0.000	0.000	1.000
1860.						
1861	5	84	50	0.000	0.000	1.000
1861.						
1862	5	84	49	0.000	0.000	1.000
1862.						
1863	5	84	49	0.000	0.000	1.000
1863.						
1864	5	84	48	0.000	0.000	1.000
1864.						
1865	5	84	47	0.000	0.000	1.000
1865.						
1866	5	84	46	0.000	0.000	1.000
1866.						
1867	5	84	46	0.000	0.000	1.000
1867.						
1868	5	84	45	0.000	0.000	1.000
1868.						
1869	5	84	44	0.000	0.000	1.000
1869.						
1870	5	84	51	0.000	0.000	1.000
1870.						
1871	5	84	51	0.000	0.000	1.000
1871.						
1872	5	84	50	0.000	0.000	1.000
1872.						
1873	5	84	49	0.000	0.000	1.000

BARRIER_LOWK.out						
1873.						
1874.	5	84	48	0.000	0.000	1.000
1875.						
1876.	5	84	47	0.000	0.000	1.000
1877.						
1878.	5	84	46	0.000	0.000	1.000
1879.						
1880.	5	84	45	0.000	0.000	1.000
1881.						
1882.	5	84	44	0.000	0.000	1.000
1883.						
1884.	5	84	52	0.000	0.000	1.000
1885.						
1886.	5	84	51	0.000	0.000	1.000
1887.						
1888.	5	84	50	0.000	0.000	1.000
1889.						
1890.	5	84	49	0.000	0.000	1.000
1891.						
1892.	5	84	49	0.000	0.000	1.000
1893.						
1894.	5	84	48	0.000	0.000	1.000
1895.						
1896.	5	84	47	0.000	0.000	1.000
1897.						
1898.	5	84	46	0.000	0.000	1.000
1899.						
1900.	5	84	46	0.000	0.000	1.000
1901.						
1902.	5	84	45	0.000	0.000	1.000
1903.						
1904.	5	84	44	0.000	0.000	1.000
1905.						
1906.	5	83	51	0.000	0.000	1.000
1907.						
1908.	5	83	51	0.000	0.000	1.000
1909.						
1910.	5	83	50	0.000	0.000	1.000
1911.						
1912.	5	83	49	0.000	0.000	1.000
1913.						
1914.	5	83	48	0.000	0.000	1.000
1915.						
1916.	5	83	48	0.000	0.000	1.000
1917.						
1918.	5	83	47	0.000	0.000	1.000
1919.						
1920.	5	83	46	0.000	0.000	1.000
1921.						
1922.	5	83	45	0.000	0.000	1.000
1923.						
1924.	5	83	45	0.000	0.000	1.000
1925.						
1926.	5	83	44	0.000	0.000	1.000
1927.						
1928.	5	83	52	0.000	0.000	1.000
1929.						
1930.	5	83	51	0.000	0.000	1.000

				BARRIER_LOWK.out		
1905	5	83	50	0.000	0.000	1.000
1905.						
1906	5	83	49	0.000	0.000	1.000
1906.						
1907	5	83	49	0.000	0.000	1.000
1907.						
1908	5	83	48	0.000	0.000	1.000
1908.						
1909	5	83	47	0.000	0.000	1.000
1909.						
1910	5	83	46	0.000	0.000	1.000
1910.						
1911	5	83	46	0.000	0.000	1.000
1911.						
1912	5	83	45	0.000	0.000	1.000
1912.						
1913	5	83	44	0.000	0.000	1.000
1913.						
1914	5	82	51	0.000	0.000	1.000
1914.						
1915	5	82	51	0.000	0.000	1.000
1915.						
1916	5	82	50	0.000	0.000	1.000
1916.						
1917	5	82	49	0.000	0.000	1.000
1917.						
1918	5	82	48	0.000	0.000	1.000
1918.						
1919	5	82	48	0.000	0.000	1.000
1919.						
1920	5	82	47	0.000	0.000	1.000
1920.						
1921	5	82	46	0.000	0.000	1.000
1921.						
1922	5	82	45	0.000	0.000	1.000
1922.						
1923	5	82	45	0.000	0.000	1.000
1923.						
1924	5	82	44	0.000	0.000	1.000
1924.						
1925	5	82	43	0.000	0.000	1.000
1925.						
1926	5	82	52	0.000	0.000	1.000
1926.						
1927	5	82	51	0.000	0.000	1.000
1927.						
1928	5	82	50	0.000	0.000	1.000
1928.						
1929	5	82	49	0.000	0.000	1.000
1929.						
1930	5	82	49	0.000	0.000	1.000
1930.						
1931	5	82	48	0.000	0.000	1.000
1931.						
1932	5	82	47	0.000	0.000	1.000
1932.						
1933	5	82	46	0.000	0.000	1.000
1933.						
1934	5	82	46	0.000	0.000	1.000
1934.						
1935	5	82	45	0.000	0.000	1.000
1935.						
1936	5	82	44	0.000	0.000	1.000

BARRIER_LOWK.out						
1936.						
1937.	5	82	51	0.000	0.000	1.000
1937.						
1938.	5	82	51	0.000	0.000	1.000
1938.						
1939.	5	82	50	0.000	0.000	1.000
1939.						
1940.	5	82	49	0.000	0.000	1.000
1940.						
1941.	5	82	48	0.000	0.000	1.000
1941.						
1942.	5	82	48	0.000	0.000	1.000
1942.						
1943.	5	82	47	0.000	0.000	1.000
1943.						
1944.	5	82	46	0.000	0.000	1.000
1944.						
1945.	5	82	45	0.000	0.000	1.000
1945.						
1946.	5	82	45	0.000	0.000	1.000
1946.						
1947.	5	82	44	0.000	0.000	1.000
1947.						
1948.	5	82	43	0.000	0.000	1.000
1948.						
1949.	5	81	52	0.000	0.000	1.000
1949.						
1950.	5	81	51	0.000	0.000	1.000
1950.						
1951.	5	81	50	0.000	0.000	1.000
1951.						
1952.	5	81	49	0.000	0.000	1.000
1952.						
1953.	5	81	49	0.000	0.000	1.000
1953.						
1954.	5	81	48	0.000	0.000	1.000
1954.						
1955.	5	81	47	0.000	0.000	1.000
1955.						
1956.	5	81	46	0.000	0.000	1.000
1956.						
1957.	5	81	46	0.000	0.000	1.000
1957.						
1958.	5	81	45	0.000	0.000	1.000
1958.						
1959.	5	81	44	0.000	0.000	1.000
1959.						
1960.	5	81	43	0.000	0.000	1.000
1960.						
1961.	5	81	51	0.000	0.000	1.000
1961.						
1962.	5	81	51	0.000	0.000	1.000
1962.						
1963.	5	81	50	0.000	0.000	1.000
1963.						
1964.	5	81	49	0.000	0.000	1.000
1964.						
1965.	5	81	48	0.000	0.000	1.000
1965.						
1966.	5	81	48	0.000	0.000	1.000
1966.						
1967.	5	81	47	0.000	0.000	1.000
1967.						

				BARRIER_LOWK.out		
1968	5	81	46	0.000	0.000	1.000
1968.						
1969	5	81	45	0.000	0.000	1.000
1969.						
1970	5	81	45	0.000	0.000	1.000
1970.						
1971	5	81	44	0.000	0.000	1.000
1971.						
1972	5	81	43	0.000	0.000	1.000
1972.						
1973	5	81	52	0.000	0.000	1.000
1973.						
1974	5	81	51	0.000	0.000	1.000
1974.						
1975	5	81	50	0.000	0.000	1.000
1975.						
1976	5	81	49	0.000	0.000	1.000
1976.						
1977	5	81	49	0.000	0.000	1.000
1977.						
1978	5	81	48	0.000	0.000	1.000
1978.						
1979	5	81	47	0.000	0.000	1.000
1979.						
1980	5	81	46	0.000	0.000	1.000
1980.						
1981	5	81	46	0.000	0.000	1.000
1981.						
1982	5	81	45	0.000	0.000	1.000
1982.						
1983	5	81	44	0.000	0.000	1.000
1983.						
1984	5	81	43	0.000	0.000	1.000
1984.						
1985	5	80	51	0.000	0.000	1.000
1985.						
1986	5	80	51	0.000	0.000	1.000
1986.						
1987	5	80	50	0.000	0.000	1.000
1987.						
1988	5	80	49	0.000	0.000	1.000
1988.						
1989	5	80	48	0.000	0.000	1.000
1989.						
1990	5	80	48	0.000	0.000	1.000
1990.						
1991	5	80	47	0.000	0.000	1.000
1991.						
1992	5	80	46	0.000	0.000	1.000
1992.						
1993	5	80	45	0.000	0.000	1.000
1993.						
1994	5	80	45	0.000	0.000	1.000
1994.						
1995	5	80	44	0.000	0.000	1.000
1995.						
1996	5	80	43	0.000	0.000	1.000
1996.						
1997	5	80	51	0.000	0.000	1.000
1997.						
1998	5	80	50	0.000	0.000	1.000
1998.						
1999	5	80	49	0.000	0.000	1.000

BARRIER_LOWK.out						
1999.						
2000	5	80	49	0.000	0.000	1.000
2000.						
2001	5	80	48	0.000	0.000	1.000
2001.						
2002	5	80	47	0.000	0.000	1.000
2002.						
2003	5	80	46	0.000	0.000	1.000
2003.						
2004	5	80	46	0.000	0.000	1.000
2004.						
2005	5	80	45	0.000	0.000	1.000
2005.						
2006	5	80	44	0.000	0.000	1.000
2006.						
2007	5	80	43	0.000	0.000	1.000
2007.						
2008	5	79	51	0.000	0.000	1.000
2008.						
2009	5	79	51	0.000	0.000	1.000
2009.						
2010	5	79	50	0.000	0.000	1.000
2010.						
2011	5	79	49	0.000	0.000	1.000
2011.						
2012	5	79	48	0.000	0.000	1.000
2012.						
2013	5	79	48	0.000	0.000	1.000
2013.						
2014	5	79	47	0.000	0.000	1.000
2014.						
2015	5	79	46	0.000	0.000	1.000
2015.						
2016	5	79	45	0.000	0.000	1.000
2016.						
2017	5	79	45	0.000	0.000	1.000
2017.						
2018	5	79	44	0.000	0.000	1.000
2018.						
2019	5	79	43	0.000	0.000	1.000
2019.						
2020	5	79	51	0.000	0.000	1.000
2020.						
2021	5	79	50	0.000	0.000	1.000
2021.						
2022	5	79	49	0.000	0.000	1.000
2022.						
2023	5	79	49	0.000	0.000	1.000
2023.						
2024	5	79	48	0.000	0.000	1.000
2024.						
2025	5	79	47	0.000	0.000	1.000
2025.						
2026	5	79	46	0.000	0.000	1.000
2026.						
2027	5	79	46	0.000	0.000	1.000
2027.						
2028	5	79	45	0.000	0.000	1.000
2028.						
2029	5	79	44	0.000	0.000	1.000
2029.						
2030	5	79	43	0.000	0.000	1.000
2030.						

				BARRIER_LOWK.out		
2031	5	79	42	0.000	0.000	1.000
2031.						
2032	5	79	51	0.000	0.000	1.000
2032.						
2033	5	79	50	0.000	0.000	1.000
2033.						
2034	5	79	49	0.000	0.000	1.000
2034.						
2035	5	79	48	0.000	0.000	1.000
2035.						
2036	5	79	48	0.000	0.000	1.000
2036.						
2037	5	79	47	0.000	0.000	1.000
2037.						
2038	5	79	46	0.000	0.000	1.000
2038.						
2039	5	79	45	0.000	0.000	1.000
2039.						
2040	5	79	45	0.000	0.000	1.000
2040.						
2041	5	79	44	0.000	0.000	1.000
2041.						
2042	5	79	43	0.000	0.000	1.000
2042.						
2043	5	78	51	0.000	0.000	1.000
2043.						
2044	5	78	50	0.000	0.000	1.000
2044.						
2045	5	78	49	0.000	0.000	1.000
2045.						
2046	5	78	49	0.000	0.000	1.000
2046.						
2047	5	78	48	0.000	0.000	1.000
2047.						
2048	5	78	47	0.000	0.000	1.000
2048.						
2049	5	78	46	0.000	0.000	1.000
2049.						
2050	5	78	46	0.000	0.000	1.000
2050.						
2051	5	78	45	0.000	0.000	1.000
2051.						
2052	5	78	44	0.000	0.000	1.000
2052.						
2053	5	78	43	0.000	0.000	1.000
2053.						
2054	5	78	42	0.000	0.000	1.000
2054.						
2055	5	78	50	0.000	0.000	1.000
2055.						
2056	5	78	49	0.000	0.000	1.000
2056.						
2057	5	78	48	0.000	0.000	1.000
2057.						
2058	5	78	48	0.000	0.000	1.000
2058.						
2059	5	78	47	0.000	0.000	1.000
2059.						
2060	5	78	46	0.000	0.000	1.000
2060.						
2061	5	78	45	0.000	0.000	1.000
2061.						
2062	5	78	45	0.000	0.000	1.000

				BARRIER_LOWK.out		
2062.						
2063.	5	78	44	0.000	0.000	1.000
2063.						
2064.	5	78	43	0.000	0.000	1.000
2064.						
2065.	5	78	42	0.000	0.000	1.000
2065.						
2066.	5	78	51	0.000	0.000	1.000
2066.						
2067.	5	78	50	0.000	0.000	1.000
2067.						
2068.	5	78	49	0.000	0.000	1.000
2068.						
2069.	5	78	49	0.000	0.000	1.000
2069.						
2070.	5	78	48	0.000	0.000	1.000
2070.						
2071.	5	78	47	0.000	0.000	1.000
2071.						
2072.	5	78	46	0.000	0.000	1.000
2072.						
2073.	5	78	46	0.000	0.000	1.000
2073.						
2074.	5	78	45	0.000	0.000	1.000
2074.						
2075.	5	78	44	0.000	0.000	1.000
2075.						
2076.	5	78	43	0.000	0.000	1.000
2076.						
2077.	5	78	42	0.000	0.000	1.000
2077.						
2078.	5	77	50	0.000	0.000	1.000
2078.						
2079.	5	77	49	0.000	0.000	1.000
2079.						
2080.	5	77	48	0.000	0.000	1.000
2080.						
2081.	5	77	48	0.000	0.000	1.000
2081.						
2082.	5	77	47	0.000	0.000	1.000
2082.						
2083.	5	77	46	0.000	0.000	1.000
2083.						
2084.	5	77	45	0.000	0.000	1.000
2084.						
2085.	5	77	45	0.000	0.000	1.000
2085.						
2086.	5	77	44	0.000	0.000	1.000
2086.						
2087.	5	77	43	0.000	0.000	1.000
2087.						
2088.	5	77	42	0.000	0.000	1.000
2088.						
2089.	5	77	50	0.000	0.000	1.000
2089.						
2090.	5	77	49	0.000	0.000	1.000
2090.						
2091.	5	77	49	0.000	0.000	1.000
2091.						
2092.	5	77	48	0.000	0.000	1.000
2092.						
2093.	5	77	47	0.000	0.000	1.000
2093.						

				BARRIER_LOWK.out		
2094	5	77	46	0.000	0.000	1.000
2094.						
2095	5	77	46	0.000	0.000	1.000
2095.						
2096	5	77	45	0.000	0.000	1.000
2096.						
2097	5	77	44	0.000	0.000	1.000
2097.						
2098	5	77	43	0.000	0.000	1.000
2098.						
2099	5	77	42	0.000	0.000	1.000
2099.						
2100	5	76	50	0.000	0.000	1.000
2100.						
2101	5	76	49	0.000	0.000	1.000
2101.						
2102	5	76	48	0.000	0.000	1.000
2102.						
2103	5	76	48	0.000	0.000	1.000
2103.						
2104	5	76	47	0.000	0.000	1.000
2104.						
2105	5	76	46	0.000	0.000	1.000
2105.						
2106	5	76	45	0.000	0.000	1.000
2106.						
2107	5	76	45	0.000	0.000	1.000
2107.						
2108	5	76	44	0.000	0.000	1.000
2108.						
2109	5	76	43	0.000	0.000	1.000
2109.						
2110	5	76	42	0.000	0.000	1.000
2110.						
2111	5	76	50	0.000	0.000	1.000
2111.						
2112	5	76	49	0.000	0.000	1.000
2112.						
2113	5	76	49	0.000	0.000	1.000
2113.						
2114	5	76	48	0.000	0.000	1.000
2114.						
2115	5	76	47	0.000	0.000	1.000
2115.						
2116	5	76	46	0.000	0.000	1.000
2116.						
2117	5	76	46	0.000	0.000	1.000
2117.						
2118	5	76	45	0.000	0.000	1.000
2118.						
2119	5	76	44	0.000	0.000	1.000
2119.						
2120	5	76	43	0.000	0.000	1.000
2120.						
2121	5	76	42	0.000	0.000	1.000
2121.						
2122	5	76	50	0.000	0.000	1.000
2122.						
2123	5	76	49	0.000	0.000	1.000
2123.						
2124	5	76	48	0.000	0.000	1.000
2124.						
2125	5	76	48	0.000	0.000	1.000

BARRIER_LOWK.out

2125.						
2126	5	76	47	0.000	0.000	1.000
2126.						
2127	5	76	46	0.000	0.000	1.000
2127.						
2128	5	76	45	0.000	0.000	1.000
2128.						
2129	5	76	45	0.000	0.000	1.000
2129.						
2130	5	76	44	0.000	0.000	1.000
2130.						
2131	5	76	43	0.000	0.000	1.000
2131.						
2132	5	76	42	0.000	0.000	1.000
2132.						
2133	5	76	42	0.000	0.000	1.000
2133.						
2134	5	75	49	0.000	0.000	1.000
2134.						
2135	5	75	49	0.000	0.000	1.000
2135.						
2136	5	75	48	0.000	0.000	1.000
2136.						
2137	5	75	47	0.000	0.000	1.000
2137.						
2138	5	75	46	0.000	0.000	1.000
2138.						
2139	5	75	46	0.000	0.000	1.000
2139.						
2140	5	75	45	0.000	0.000	1.000
2140.						
2141	5	75	44	0.000	0.000	1.000
2141.						
2142	5	75	43	0.000	0.000	1.000
2142.						
2143	5	75	42	0.000	0.000	1.000
2143.						
2144	5	75	49	0.000	0.000	1.000
2144.						
2145	5	75	48	0.000	0.000	1.000
2145.						
2146	5	75	48	0.000	0.000	1.000
2146.						
2147	5	75	47	0.000	0.000	1.000
2147.						
2148	5	75	46	0.000	0.000	1.000
2148.						
2149	5	75	45	0.000	0.000	1.000
2149.						
2150	5	75	45	0.000	0.000	1.000
2150.						
2151	5	75	44	0.000	0.000	1.000
2151.						
2152	5	75	43	0.000	0.000	1.000
2152.						
2153	5	75	42	0.000	0.000	1.000
2153.						
2154	5	75	42	0.000	0.000	1.000
2154.						
2155	5	75	49	0.000	0.000	1.000
2155.						
2156	5	75	49	0.000	0.000	1.000
2156.						

				BARRIER_LOWK.out		
2157	5	75	48	0.000	0.000	1.000
2157.						
2158	5	75	47	0.000	0.000	1.000
2158.						
2159	5	75	46	0.000	0.000	1.000
2159.						
2160	5	75	46	0.000	0.000	1.000
2160.						
2161	5	75	45	0.000	0.000	1.000
2161.						
2162	5	75	44	0.000	0.000	1.000
2162.						
2163	5	75	43	0.000	0.000	1.000
2163.						
2164	5	75	42	0.000	0.000	1.000
2164.						
2165	5	74	48	0.000	0.000	1.000
2165.						
2166	5	74	48	0.000	0.000	1.000
2166.						
2167	5	74	47	0.000	0.000	1.000
2167.						
2168	5	74	46	0.000	0.000	1.000
2168.						
2169	5	74	45	0.000	0.000	1.000
2169.						
2170	5	74	45	0.000	0.000	1.000
2170.						
2171	5	74	44	0.000	0.000	1.000
2171.						
2172	5	74	43	0.000	0.000	1.000
2172.						
2173	5	74	42	0.000	0.000	1.000
2173.						
2174	5	74	42	0.000	0.000	1.000
2174.						
2175	5	74	49	0.000	0.000	1.000
2175.						
2176	5	74	48	0.000	0.000	1.000
2176.						
2177	5	74	47	0.000	0.000	1.000
2177.						
2178	5	74	46	0.000	0.000	1.000
2178.						
2179	5	74	46	0.000	0.000	1.000
2179.						
2180	5	74	45	0.000	0.000	1.000
2180.						
2181	5	74	44	0.000	0.000	1.000
2181.						
2182	5	74	43	0.000	0.000	1.000
2182.						
2183	5	74	42	0.000	0.000	1.000
2183.						
2184	5	74	41	0.000	0.000	1.000
2184.						
2185	5	73	48	0.000	0.000	1.000
2185.						
2186	5	73	48	0.000	0.000	1.000
2186.						
2187	5	73	47	0.000	0.000	1.000
2187.						
2188	5	73	46	0.000	0.000	1.000

BARRIER_LOWK.out

2188.						
2189	5	73	45	0.000	0.000	1.000
2189.						
2190	5	73	45	0.000	0.000	1.000
2190.						
2191	5	73	44	0.000	0.000	1.000
2191.						
2192	5	73	43	0.000	0.000	1.000
2192.						
2193	5	73	42	0.000	0.000	1.000
2193.						
2194	5	73	42	0.000	0.000	1.000
2194.						
2195	5	73	48	0.000	0.000	1.000
2195.						
2196	5	73	47	0.000	0.000	1.000
2196.						
2197	5	73	46	0.000	0.000	1.000
2197.						
2198	5	73	46	0.000	0.000	1.000
2198.						
2199	5	73	45	0.000	0.000	1.000
2199.						
2200	5	73	44	0.000	0.000	1.000
2200.						
2201	5	73	43	0.000	0.000	1.000
2201.						
2202	5	73	42	0.000	0.000	1.000
2202.						
2203	5	73	41	0.000	0.000	1.000
2203.						
2204	5	73	48	0.000	0.000	1.000
2204.						
2205	5	73	48	0.000	0.000	1.000
2205.						
2206	5	73	47	0.000	0.000	1.000
2206.						
2207	5	73	46	0.000	0.000	1.000
2207.						
2208	5	73	45	0.000	0.000	1.000
2208.						
2209	5	73	45	0.000	0.000	1.000
2209.						
2210	5	73	44	0.000	0.000	1.000
2210.						
2211	5	73	43	0.000	0.000	1.000
2211.						
2212	5	73	42	0.000	0.000	1.000
2212.						
2213	5	73	42	0.000	0.000	1.000
2213.						
2214	5	72	48	0.000	0.000	1.000
2214.						
2215	5	72	47	0.000	0.000	1.000
2215.						
2216	5	72	46	0.000	0.000	1.000
2216.						
2217	5	72	46	0.000	0.000	1.000
2217.						
2218	5	72	45	0.000	0.000	1.000
2218.						
2219	5	72	44	0.000	0.000	1.000
2219.						

				BARRIER_LOWK.out		
2220	5	72	43	0.000	0.000	1.000
2220.						
2221	5	72	42	0.000	0.000	1.000
2221.						
2222	5	72	41	0.000	0.000	1.000
2222.						
2223	5	72	59	0.000	0.000	1.000
2223.						
2224	5	72	59	0.000	0.000	1.000
2224.						
2225	5	72	58	0.000	0.000	1.000
2225.						
2226	5	72	57	0.000	0.000	1.000
2226.						
2227	5	72	56	0.000	0.000	1.000
2227.						
2228	5	72	56	0.000	0.000	1.000
2228.						
2229	5	72	55	0.000	0.000	1.000
2229.						
2230	5	72	54	0.000	0.000	1.000
2230.						
2231	5	72	53	0.000	0.000	1.000
2231.						
2232	5	72	48	0.000	0.000	1.000
2232.						
2233	5	72	47	0.000	0.000	1.000
2233.						
2234	5	72	46	0.000	0.000	1.000
2234.						
2235	5	72	45	0.000	0.000	1.000
2235.						
2236	5	72	45	0.000	0.000	1.000
2236.						
2237	5	72	44	0.000	0.000	1.000
2237.						
2238	5	72	43	0.000	0.000	1.000
2238.						
2239	5	72	42	0.000	0.000	1.000
2239.						
2240	5	72	42	0.000	0.000	1.000
2240.						
2241	5	72	59	0.000	0.000	1.000
2241.						
2242	5	72	58	0.000	0.000	1.000
2242.						
2243	5	72	58	0.000	0.000	1.000
2243.						
2244	5	72	57	0.000	0.000	1.000
2244.						
2245	5	72	56	0.000	0.000	1.000
2245.						
2246	5	72	55	0.000	0.000	1.000
2246.						
2247	5	72	55	0.000	0.000	1.000
2247.						
2248	5	72	54	0.000	0.000	1.000
2248.						
2249	5	72	53	0.000	0.000	1.000
2249.						
2250	5	72	48	0.000	0.000	1.000
2250.						
2251	5	72	47	0.000	0.000	1.000

BARRIER_LOWK.out

2251.						
2252	5	72	46	0.000	0.000	1.000
2252.						
2253	5	72	46	0.000	0.000	1.000
2253.						
2254	5	72	45	0.000	0.000	1.000
2254.						
2255	5	72	44	0.000	0.000	1.000
2255.						
2256	5	72	43	0.000	0.000	1.000
2256.						
2257	5	72	42	0.000	0.000	1.000
2257.						
2258	5	72	41	0.000	0.000	1.000
2258.						
2259	5	71	59	0.000	0.000	1.000
2259.						
2260	5	71	59	0.000	0.000	1.000
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2261	5	71	58	0.000	0.000	1.000
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2268	5	71	52	0.000	0.000	1.000
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2269	5	71	48	0.000	0.000	1.000
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2270	5	71	47	0.000	0.000	1.000
2270.						
2271	5	71	46	0.000	0.000	1.000
2271.						
2272	5	71	45	0.000	0.000	1.000
2272.						
2273	5	71	45	0.000	0.000	1.000
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2274	5	71	44	0.000	0.000	1.000
2274.						
2275	5	71	43	0.000	0.000	1.000
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2276	5	71	42	0.000	0.000	1.000
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2277	5	71	42	0.000	0.000	1.000
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2279	5	71	58	0.000	0.000	1.000
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2280	5	71	58	0.000	0.000	1.000
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2281	5	71	57	0.000	0.000	1.000
2281.						
2282	5	71	56	0.000	0.000	1.000
2282.						

				BARRIER_LOWK.out		
2283	5	71	55	0.000	0.000	1.000
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2284	5	71	55	0.000	0.000	1.000
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2285	5	71	54	0.000	0.000	1.000
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2286	5	71	53	0.000	0.000	1.000
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2287	5	71	52	0.000	0.000	1.000
2287.						
2288	5	71	52	0.000	0.000	1.000
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2289	5	71	48	0.000	0.000	1.000
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2290	5	71	47	0.000	0.000	1.000
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2291	5	71	46	0.000	0.000	1.000
2291.						
2292	5	71	46	0.000	0.000	1.000
2292.						
2293	5	71	45	0.000	0.000	1.000
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2294	5	71	44	0.000	0.000	1.000
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2295	5	71	43	0.000	0.000	1.000
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2296	5	71	42	0.000	0.000	1.000
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2297	5	71	41	0.000	0.000	1.000
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2306	5	70	53	0.000	0.000	1.000
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2307	5	70	52	0.000	0.000	1.000
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2310	5	70	47	0.000	0.000	1.000
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2311.						
2312	5	70	45	0.000	0.000	1.000
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2313	5	70	45	0.000	0.000	1.000
2313.						
2314	5	70	44	0.000	0.000	1.000

BARRIER_LOWK.out						
2314.						
2315.	5	70	43	0.000	0.000	1.000
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2317.	5	70	42	0.000	0.000	1.000
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2322.						
2323.	5	70	57	0.000	0.000	1.000
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2325.	5	70	56	0.000	0.000	1.000
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2327.	5	70	55	0.000	0.000	1.000
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2329.	5	70	55	0.000	0.000	1.000
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2335.	5	70	52	0.000	0.000	1.000
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2337.	5	70	52	0.000	0.000	1.000
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2339.	5	70	48	0.000	0.000	1.000
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2341.	5	70	47	0.000	0.000	1.000
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2343.	5	70	46	0.000	0.000	1.000
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2345.	5	70	46	0.000	0.000	1.000
2346.						
2347.	5	70	45	0.000	0.000	1.000
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2351.	5	70	43	0.000	0.000	1.000
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2355.	5	70	41	0.000	0.000	1.000
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2357.	5	70	41	0.000	0.000	1.000
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2359.	5	70	59	0.000	0.000	1.000
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2361.	5	70	58	0.000	0.000	1.000
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2363.	5	70	57	0.000	0.000	1.000
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2365.	5	70	56	0.000	0.000	1.000
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2367.	5	70	56	0.000	0.000	1.000
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2369.	5	70	55	0.000	0.000	1.000
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2371.	5	70	54	0.000	0.000	1.000
2372.						
2373.	5	70	53	0.000	0.000	1.000
2374.						
2375.						

				BARRIER_LOWK.out		
2346	5	70	52	0.000	0.000	1.000
2346.						
2347	5	70	51	0.000	0.000	1.000
2347.						
2348	5	70	51	0.000	0.000	1.000
2348.						
2349	5	70	48	0.000	0.000	1.000
2349.						
2350	5	70	48	0.000	0.000	1.000
2350.						
2351	5	70	47	0.000	0.000	1.000
2351.						
2352	5	70	46	0.000	0.000	1.000
2352.						
2353	5	70	45	0.000	0.000	1.000
2353.						
2354	5	70	45	0.000	0.000	1.000
2354.						
2355	5	70	44	0.000	0.000	1.000
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2356	5	70	43	0.000	0.000	1.000
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2358	5	70	42	0.000	0.000	1.000
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2366.						
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2368	5	69	52	0.000	0.000	1.000
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2370	5	69	50	0.000	0.000	1.000
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2372.						
2373	5	69	48	0.000	0.000	1.000
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2374	5	69	47	0.000	0.000	1.000
2374.						
2375	5	69	46	0.000	0.000	1.000
2375.						
2376	5	69	46	0.000	0.000	1.000
2376.						
2377	5	69	45	0.000	0.000	1.000

BARRIER_LOWK.out

2377.						
2378.	5	69	44	0.000	0.000	1.000
2379.						
2380.	5	69	43	0.000	0.000	1.000
2381.						
2382.	5	69	42	0.000	0.000	1.000
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2386.	5	69	41	0.000	0.000	1.000
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2390.	5	69	57	0.000	0.000	1.000
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2392.	5	69	56	0.000	0.000	1.000
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2394.	5	69	56	0.000	0.000	1.000
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2396.	5	69	55	0.000	0.000	1.000
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2402.	5	69	52	0.000	0.000	1.000
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2404.	5	69	51	0.000	0.000	1.000
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2406.	5	69	51	0.000	0.000	1.000
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2412.	5	69	48	0.000	0.000	1.000
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2414.	5	69	48	0.000	0.000	1.000
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2416.	5	69	47	0.000	0.000	1.000
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2418.	5	69	46	0.000	0.000	1.000
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2420.	5	69	45	0.000	0.000	1.000
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2426.	5	69	43	0.000	0.000	1.000
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2430.	5	69	42	0.000	0.000	1.000
2431.						
2432.	5	69	58	0.000	0.000	1.000
2433.						
2434.	5	69	58	0.000	0.000	1.000
2435.						
2436.	5	69	57	0.000	0.000	1.000
2437.						
2438.	5	69	56	0.000	0.000	1.000
2439.						

				BARRIER_LOWK.out		
2409	5	69	55	0.000	0.000	1.000
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2410	5	69	55	0.000	0.000	1.000
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2411	5	69	54	0.000	0.000	1.000
2411.						
2412	5	69	53	0.000	0.000	1.000
2412.						
2413	5	69	52	0.000	0.000	1.000
2413.						
2414	5	69	52	0.000	0.000	1.000
2414.						
2415	5	69	51	0.000	0.000	1.000
2415.						
2416	5	69	50	0.000	0.000	1.000
2416.						
2417	5	69	49	0.000	0.000	1.000
2417.						
2418	5	69	49	0.000	0.000	1.000
2418.						
2419	5	69	48	0.000	0.000	1.000
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2420	5	69	47	0.000	0.000	1.000
2420.						
2421	5	69	46	0.000	0.000	1.000
2421.						
2422	5	69	46	0.000	0.000	1.000
2422.						
2423	5	69	45	0.000	0.000	1.000
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2424	5	69	44	0.000	0.000	1.000
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2425	5	69	43	0.000	0.000	1.000
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2428	5	69	41	0.000	0.000	1.000
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2430	5	68	57	0.000	0.000	1.000
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2431	5	68	56	0.000	0.000	1.000
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2432	5	68	56	0.000	0.000	1.000
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2433	5	68	55	0.000	0.000	1.000
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2434	5	68	54	0.000	0.000	1.000
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2435	5	68	53	0.000	0.000	1.000
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2436	5	68	52	0.000	0.000	1.000
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2438	5	68	51	0.000	0.000	1.000
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2439	5	68	50	0.000	0.000	1.000
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2440	5	68	49	0.000	0.000	1.000

				BARRIER_LOWK.out		
2440.						
2441.	5	68	48	0.000	0.000	1.000
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2443.	5	68	47	0.000	0.000	1.000
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2445.	5	68	45	0.000	0.000	1.000
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2447.	5	68	44	0.000	0.000	1.000
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2449.	5	68	42	0.000	0.000	1.000
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2451.	5	68	58	0.000	0.000	1.000
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2453.	5	68	57	0.000	0.000	1.000
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2455.	5	68	56	0.000	0.000	1.000
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2457.	5	68	55	0.000	0.000	1.000
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2459.	5	68	55	0.000	0.000	1.000
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2461.	5	68	54	0.000	0.000	1.000
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2463.	5	68	53	0.000	0.000	1.000
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2465.	5	68	52	0.000	0.000	1.000
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2469.	5	68	51	0.000	0.000	1.000
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2473.	5	68	49	0.000	0.000	1.000
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2475.	5	68	49	0.000	0.000	1.000
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2477.	5	68	48	0.000	0.000	1.000
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2479.	5	68	47	0.000	0.000	1.000
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2481.	5	68	46	0.000	0.000	1.000
2482.						
2483.	5	68	46	0.000	0.000	1.000
2484.						
2485.	5	68	45	0.000	0.000	1.000
2486.						
2487.	5	68	44	0.000	0.000	1.000
2488.						
2489.	5	68	43	0.000	0.000	1.000
2490.						
2491.	5	68	42	0.000	0.000	1.000
2492.						

				BARRIER_LOWK.out		
2472	5	68	41	0.000	0.000	1.000
2472.						
2473	5	68	41	0.000	0.000	1.000
2473.						
2474	5	67	58	0.000	0.000	1.000
2474.						
2475	5	67	57	0.000	0.000	1.000
2475.						
2476	5	67	56	0.000	0.000	1.000
2476.						
2477	5	67	56	0.000	0.000	1.000
2477.						
2478	5	67	55	0.000	0.000	1.000
2478.						
2479	5	67	54	0.000	0.000	1.000
2479.						
2480	5	67	53	0.000	0.000	1.000
2480.						
2481	5	67	52	0.000	0.000	1.000
2481.						
2482	5	67	51	0.000	0.000	1.000
2482.						
2483	5	67	51	0.000	0.000	1.000
2483.						
2484	5	67	50	0.000	0.000	1.000
2484.						
2485	5	67	49	0.000	0.000	1.000
2485.						
2486	5	67	48	0.000	0.000	1.000
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2487	5	67	48	0.000	0.000	1.000
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2488	5	67	47	0.000	0.000	1.000
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2489	5	67	46	0.000	0.000	1.000
2489.						
2490	5	67	45	0.000	0.000	1.000
2490.						
2491	5	67	45	0.000	0.000	1.000
2491.						
2492	5	67	44	0.000	0.000	1.000
2492.						
2493	5	67	43	0.000	0.000	1.000
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2494	5	67	42	0.000	0.000	1.000
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2495	5	67	42	0.000	0.000	1.000
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2496	5	67	57	0.000	0.000	1.000
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2497	5	67	56	0.000	0.000	1.000
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2498	5	67	55	0.000	0.000	1.000
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2499	5	67	55	0.000	0.000	1.000
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2500	5	67	54	0.000	0.000	1.000
2500.						
2501	5	67	53	0.000	0.000	1.000
2501.						
2502	5	67	52	0.000	0.000	1.000
2502.						
2503	5	67	52	0.000	0.000	1.000

BARRIER_LOWK.out						
2503.						
2504.	5	67	51	0.000	0.000	1.000
2505.						
2506.	5	67	50	0.000	0.000	1.000
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2508.	5	67	49	0.000	0.000	1.000
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2514.	5	67	47	0.000	0.000	1.000
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2532.	5	67	58	0.000	0.000	1.000
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2534.	5	67	57	0.000	0.000	1.000
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2536.	5	67	56	0.000	0.000	1.000
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2544.	5	67	53	0.000	0.000	1.000
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2550.	5	67	51	0.000	0.000	1.000
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2552.	5	67	50	0.000	0.000	1.000
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2554.	5	67	49	0.000	0.000	1.000
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2556.	5	67	48	0.000	0.000	1.000
2557.						
2558.	5	67	48	0.000	0.000	1.000
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2560.	5	67	47	0.000	0.000	1.000
2561.						
2562.	5	67	46	0.000	0.000	1.000
2563.						
2564.	5	67	45	0.000	0.000	1.000
2565.						

				BARRIER_LOWK.out		
2535	5	67	45	0.000	0.000	1.000
2535.						
2536	5	67	44	0.000	0.000	1.000
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2537	5	67	43	0.000	0.000	1.000
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2538	5	67	42	0.000	0.000	1.000
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2539	5	67	42	0.000	0.000	1.000
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2541	5	66	56	0.000	0.000	1.000
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2542	5	66	55	0.000	0.000	1.000
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2543	5	66	55	0.000	0.000	1.000
2543.						
2544	5	66	54	0.000	0.000	1.000
2544.						
2545	5	66	53	0.000	0.000	1.000
2545.						
2546	5	66	52	0.000	0.000	1.000
2546.						
2547	5	66	52	0.000	0.000	1.000
2547.						
2548	5	66	51	0.000	0.000	1.000
2548.						
2549	5	66	50	0.000	0.000	1.000
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2550	5	66	49	0.000	0.000	1.000
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2551	5	66	49	0.000	0.000	1.000
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2552	5	66	48	0.000	0.000	1.000
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2554	5	66	46	0.000	0.000	1.000
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2555	5	66	46	0.000	0.000	1.000
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2556	5	66	45	0.000	0.000	1.000
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2557	5	66	44	0.000	0.000	1.000
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2558	5	66	43	0.000	0.000	1.000
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2559	5	66	42	0.000	0.000	1.000
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2565	5	66	55	0.000	0.000	1.000
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2566	5	66	54	0.000	0.000	1.000

				BARRIER_LOWK.out		
2566.						
2567.	5	66	53	0.000	0.000	1.000
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2568.	5	66	52	0.000	0.000	1.000
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2569.	5	66	51	0.000	0.000	1.000
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2570.	5	66	51	0.000	0.000	1.000
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2571.	5	66	50	0.000	0.000	1.000
2571.						
2572.	5	66	49	0.000	0.000	1.000
2572.						
2573.	5	66	48	0.000	0.000	1.000
2573.						
2574.	5	66	48	0.000	0.000	1.000
2574.						
2575.	5	66	47	0.000	0.000	1.000
2575.						
2576.	5	66	46	0.000	0.000	1.000
2576.						
2577.	5	66	45	0.000	0.000	1.000
2577.						
2578.	5	66	45	0.000	0.000	1.000
2578.						
2579.	5	66	44	0.000	0.000	1.000
2579.						
2580.	5	66	43	0.000	0.000	1.000
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2581.	5	66	42	0.000	0.000	1.000
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2582.	5	66	42	0.000	0.000	1.000
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2583.	5	66	57	0.000	0.000	1.000
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2584.	5	66	56	0.000	0.000	1.000
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2585.	5	66	55	0.000	0.000	1.000
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2586.	5	66	55	0.000	0.000	1.000
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2587.	5	66	54	0.000	0.000	1.000
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2588.	5	66	53	0.000	0.000	1.000
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2590.	5	66	52	0.000	0.000	1.000
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2591.	5	66	51	0.000	0.000	1.000
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2592.	5	66	50	0.000	0.000	1.000
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2593.	5	66	49	0.000	0.000	1.000
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2594.	5	66	49	0.000	0.000	1.000
2594.						
2595.	5	66	48	0.000	0.000	1.000
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2596.	5	66	47	0.000	0.000	1.000
2596.						
2597.	5	66	46	0.000	0.000	1.000
2597.						

				BARRIER_LOWK.out		
2598	5	66	46	0.000	0.000	1.000
2598.						
2599	5	66	45	0.000	0.000	1.000
2599.						
2600	5	66	44	0.000	0.000	1.000
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2601	5	66	43	0.000	0.000	1.000
2601.						
2602	5	66	42	0.000	0.000	1.000
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2604	5	66	41	0.000	0.000	1.000
2604.						
2605	5	65	56	0.000	0.000	1.000
2605.						
2606	5	65	56	0.000	0.000	1.000
2606.						
2607	5	65	55	0.000	0.000	1.000
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2608	5	65	54	0.000	0.000	1.000
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2610	5	65	52	0.000	0.000	1.000
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2611	5	65	51	0.000	0.000	1.000
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2612	5	65	51	0.000	0.000	1.000
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2613	5	65	50	0.000	0.000	1.000
2613.						
2614	5	65	49	0.000	0.000	1.000
2614.						
2615	5	65	48	0.000	0.000	1.000
2615.						
2616	5	65	48	0.000	0.000	1.000
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2617	5	65	47	0.000	0.000	1.000
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2618	5	65	46	0.000	0.000	1.000
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2619	5	65	45	0.000	0.000	1.000
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2620	5	65	45	0.000	0.000	1.000
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2624	5	65	42	0.000	0.000	1.000
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2625	5	65	57	0.000	0.000	1.000
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2626	5	65	56	0.000	0.000	1.000
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2628	5	65	55	0.000	0.000	1.000
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2629	5	65	54	0.000	0.000	1.000

BARRIER_LOWK.out						
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2630.	5	65	53	0.000	0.000	1.000
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2632.	5	65	52	0.000	0.000	1.000
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2634.	5	65	52	0.000	0.000	1.000
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2636.	5	65	51	0.000	0.000	1.000
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2638.	5	65	50	0.000	0.000	1.000
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2640.	5	65	49	0.000	0.000	1.000
2641.						
2642.	5	65	49	0.000	0.000	1.000
2643.						
2644.	5	65	48	0.000	0.000	1.000
2645.						
2646.	5	65	47	0.000	0.000	1.000
2647.						
2648.	5	65	46	0.000	0.000	1.000
2649.						
2650.	5	65	46	0.000	0.000	1.000
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2652.	5	65	45	0.000	0.000	1.000
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2654.	5	65	44	0.000	0.000	1.000
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2656.	5	65	43	0.000	0.000	1.000
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2658.	5	65	42	0.000	0.000	1.000
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2660.	5	65	41	0.000	0.000	1.000
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2662.	5	65	41	0.000	0.000	1.000
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2664.	5	64	56	0.000	0.000	1.000
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2666.	5	64	56	0.000	0.000	1.000
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2670.	5	64	54	0.000	0.000	1.000
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2672.	5	64	53	0.000	0.000	1.000
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2674.	5	64	52	0.000	0.000	1.000
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2676.	5	64	51	0.000	0.000	1.000
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2678.	5	64	51	0.000	0.000	1.000
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2680.	5	64	50	0.000	0.000	1.000
2681.						
2682.	5	64	49	0.000	0.000	1.000
2683.						
2684.	5	64	48	0.000	0.000	1.000
2685.						
2686.	5	64	48	0.000	0.000	1.000
2687.						
2688.	5	64	47	0.000	0.000	1.000
2689.						
2690.	5	64	46	0.000	0.000	1.000

				BARRIER_LOWK.out		
2661	5	64	45	0.000	0.000	1.000
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2662	5	64	45	0.000	0.000	1.000
2662.						
2663	5	64	44	0.000	0.000	1.000
2663.						
2664	5	64	43	0.000	0.000	1.000
2664.						
2665	5	64	42	0.000	0.000	1.000
2665.						
2666	5	64	42	0.000	0.000	1.000
2666.						
2667	5	64	56	0.000	0.000	1.000
2667.						
2668	5	64	55	0.000	0.000	1.000
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2669	5	64	55	0.000	0.000	1.000
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2670	5	64	54	0.000	0.000	1.000
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2671	5	64	53	0.000	0.000	1.000
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2672	5	64	52	0.000	0.000	1.000
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2673	5	64	52	0.000	0.000	1.000
2673.						
2674	5	64	51	0.000	0.000	1.000
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2675	5	64	50	0.000	0.000	1.000
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2676	5	64	49	0.000	0.000	1.000
2676.						
2677	5	64	49	0.000	0.000	1.000
2677.						
2678	5	64	48	0.000	0.000	1.000
2678.						
2679	5	64	47	0.000	0.000	1.000
2679.						
2680	5	64	46	0.000	0.000	1.000
2680.						
2681	5	64	46	0.000	0.000	1.000
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2682	5	64	45	0.000	0.000	1.000
2682.						
2683	5	64	44	0.000	0.000	1.000
2683.						
2684	5	64	43	0.000	0.000	1.000
2684.						
2685	5	64	42	0.000	0.000	1.000
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2686	5	64	41	0.000	0.000	1.000
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2687	5	64	41	0.000	0.000	1.000
2687.						
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2689.						
2690	5	64	55	0.000	0.000	1.000
2690.						
2691	5	64	54	0.000	0.000	1.000
2691.						
2692	5	64	53	0.000	0.000	1.000

BARRIER_LOWK.out

2692.						
2693	5	64	52	0.000	0.000	1.000
2693.						
2694	5	64	51	0.000	0.000	1.000
2694.						
2695	5	64	51	0.000	0.000	1.000
2695.						
2696	5	64	50	0.000	0.000	1.000
2696.						
2697	5	64	49	0.000	0.000	1.000
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2698	5	64	48	0.000	0.000	1.000
2698.						
2699	5	64	48	0.000	0.000	1.000
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2700	5	64	47	0.000	0.000	1.000
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2701	5	64	46	0.000	0.000	1.000
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2702	5	64	45	0.000	0.000	1.000
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2703	5	64	45	0.000	0.000	1.000
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2705	5	64	43	0.000	0.000	1.000
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2707	5	64	42	0.000	0.000	1.000
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2712	5	63	53	0.000	0.000	1.000
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2713	5	63	52	0.000	0.000	1.000
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2714	5	63	52	0.000	0.000	1.000
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2715	5	63	51	0.000	0.000	1.000
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2716	5	63	50	0.000	0.000	1.000
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2717	5	63	49	0.000	0.000	1.000
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2718	5	63	49	0.000	0.000	1.000
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2719	5	63	48	0.000	0.000	1.000
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2720	5	63	47	0.000	0.000	1.000
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2721.						
2722	5	63	46	0.000	0.000	1.000
2722.						
2723	5	63	45	0.000	0.000	1.000
2723.						

				BARRIER_LOWK.out		
2724	5	63	44	0.000	0.000	1.000
2724.						
2725	5	63	43	0.000	0.000	1.000
2725.						
2726	5	63	42	0.000	0.000	1.000
2726.						
2727	5	63	41	0.000	0.000	1.000
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2728	5	63	41	0.000	0.000	1.000
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2729	5	63	56	0.000	0.000	1.000
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2730	5	63	56	0.000	0.000	1.000
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2731	5	63	55	0.000	0.000	1.000
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2732	5	63	54	0.000	0.000	1.000
2732.						
2733	5	63	53	0.000	0.000	1.000
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2734	5	63	52	0.000	0.000	1.000
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2736	5	63	51	0.000	0.000	1.000
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2738	5	63	49	0.000	0.000	1.000
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2739	5	63	48	0.000	0.000	1.000
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2740	5	63	48	0.000	0.000	1.000
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2743	5	63	45	0.000	0.000	1.000
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2745	5	63	44	0.000	0.000	1.000
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2746	5	63	43	0.000	0.000	1.000
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2747	5	63	42	0.000	0.000	1.000
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2748	5	63	42	0.000	0.000	1.000
2748.						
2749	5	63	55	0.000	0.000	1.000
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2750.						
2751	5	63	54	0.000	0.000	1.000
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2752.						
2753	5	63	52	0.000	0.000	1.000
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2754	5	63	52	0.000	0.000	1.000
2754.						
2755	5	63	51	0.000	0.000	1.000

BARRIER_LOWK.out

2755.						
2756.	5	63	50	0.000	0.000	1.000
2757.						
2758.	5	63	49	0.000	0.000	1.000
2759.						
2760.	5	63	49	0.000	0.000	1.000
2761.						
2762.	5	63	48	0.000	0.000	1.000
2763.						
2764.	5	63	47	0.000	0.000	1.000
2765.						
2766.	5	63	46	0.000	0.000	1.000
2767.						
2768.	5	63	46	0.000	0.000	1.000
2769.						
2770.	5	63	45	0.000	0.000	1.000
2771.						
2772.	5	63	44	0.000	0.000	1.000
2773.						
2774.	5	63	43	0.000	0.000	1.000
2775.						
2776.	5	63	42	0.000	0.000	1.000
2777.						
2778.	5	63	41	0.000	0.000	1.000
2779.						
2780.	5	63	41	0.000	0.000	1.000
2781.						
2782.	5	62	56	0.000	0.000	1.000
2783.						
2784.	5	62	55	0.000	0.000	1.000
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2786.	5	62	54	0.000	0.000	1.000
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2788.	5	62	53	0.000	0.000	1.000
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2790.	5	62	52	0.000	0.000	1.000
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2792.	5	62	51	0.000	0.000	1.000
2793.						
2794.	5	62	51	0.000	0.000	1.000
2795.						
2796.	5	62	50	0.000	0.000	1.000
2797.						
2798.	5	62	49	0.000	0.000	1.000
2799.						
2800.	5	62	48	0.000	0.000	1.000
2801.						
2802.	5	62	48	0.000	0.000	1.000
2803.						
2804.	5	62	47	0.000	0.000	1.000
2805.						
2806.	5	62	46	0.000	0.000	1.000
2807.						
2808.	5	62	45	0.000	0.000	1.000
2809.						
2810.	5	62	45	0.000	0.000	1.000
2811.						
2812.	5	62	44	0.000	0.000	1.000
2813.						
2814.	5	62	43	0.000	0.000	1.000
2815.						
2816.	5	62	42	0.000	0.000	1.000
2817.						

				BARRIER_LOWK.out		
2787	5	62	42	0.000	0.000	1.000
2787.						
2788	5	62	55	0.000	0.000	1.000
2788.						
2789	5	62	55	0.000	0.000	1.000
2789.						
2790	5	62	54	0.000	0.000	1.000
2790.						
2791	5	62	53	0.000	0.000	1.000
2791.						
2792	5	62	52	0.000	0.000	1.000
2792.						
2793	5	62	52	0.000	0.000	1.000
2793.						
2794	5	62	51	0.000	0.000	1.000
2794.						
2795	5	62	50	0.000	0.000	1.000
2795.						
2796	5	62	49	0.000	0.000	1.000
2796.						
2797	5	62	49	0.000	0.000	1.000
2797.						
2798	5	62	48	0.000	0.000	1.000
2798.						
2799	5	62	47	0.000	0.000	1.000
2799.						
2800	5	62	46	0.000	0.000	1.000
2800.						
2801	5	62	46	0.000	0.000	1.000
2801.						
2802	5	62	45	0.000	0.000	1.000
2802.						
2803	5	62	44	0.000	0.000	1.000
2803.						
2804	5	62	43	0.000	0.000	1.000
2804.						
2805	5	62	42	0.000	0.000	1.000
2805.						
2806	5	62	41	0.000	0.000	1.000
2806.						
2807	5	62	41	0.000	0.000	1.000
2807.						
2808	5	61	56	0.000	0.000	1.000
2808.						
2809	5	61	55	0.000	0.000	1.000
2809.						
2810	5	61	54	0.000	0.000	1.000
2810.						
2811	5	61	53	0.000	0.000	1.000
2811.						
2812	5	61	52	0.000	0.000	1.000
2812.						
2813	5	61	51	0.000	0.000	1.000
2813.						
2814	5	61	51	0.000	0.000	1.000
2814.						
2815	5	61	50	0.000	0.000	1.000
2815.						
2816	5	61	49	0.000	0.000	1.000
2816.						
2817	5	61	48	0.000	0.000	1.000
2817.						
2818	5	61	48	0.000	0.000	1.000

				BARRIER_LOWK.out		
2818.						
2819.	5	61	47	0.000	0.000	1.000
2820.	5	61	46	0.000	0.000	1.000
2821.	5	61	45	0.000	0.000	1.000
2822.	5	61	45	0.000	0.000	1.000
2823.	5	61	44	0.000	0.000	1.000
2824.	5	61	43	0.000	0.000	1.000
2825.	5	61	42	0.000	0.000	1.000
2826.	5	61	42	0.000	0.000	1.000
2827.	5	61	55	0.000	0.000	1.000
2828.	5	61	55	0.000	0.000	1.000
2829.	5	61	54	0.000	0.000	1.000
2830.	5	61	53	0.000	0.000	1.000
2831.	5	61	52	0.000	0.000	1.000
2832.	5	61	52	0.000	0.000	1.000
2833.	5	61	51	0.000	0.000	1.000
2834.	5	61	50	0.000	0.000	1.000
2835.	5	61	49	0.000	0.000	1.000
2836.	5	61	49	0.000	0.000	1.000
2837.	5	61	48	0.000	0.000	1.000
2838.	5	61	47	0.000	0.000	1.000
2839.	5	61	46	0.000	0.000	1.000
2840.	5	61	46	0.000	0.000	1.000
2841.	5	61	45	0.000	0.000	1.000
2842.	5	61	44	0.000	0.000	1.000
2843.	5	61	43	0.000	0.000	1.000
2844.	5	61	42	0.000	0.000	1.000
2845.	5	61	41	0.000	0.000	1.000
2846.	5	61	41	0.000	0.000	1.000
2847.	5	61	55	0.000	0.000	1.000
2848.	5	61	54	0.000	0.000	1.000
2849.	5	61	53	0.000	0.000	1.000

				BARRIER_LOWK.out		
2850	5	61	52	0.000	0.000	1.000
2850.						
2851	5	61	51	0.000	0.000	1.000
2851.						
2852	5	61	51	0.000	0.000	1.000
2852.						
2853	5	61	50	0.000	0.000	1.000
2853.						
2854	5	61	49	0.000	0.000	1.000
2854.						
2855	5	61	48	0.000	0.000	1.000
2855.						
2856	5	61	48	0.000	0.000	1.000
2856.						
2857	5	61	47	0.000	0.000	1.000
2857.						
2858	5	61	46	0.000	0.000	1.000
2858.						
2859	5	61	45	0.000	0.000	1.000
2859.						
2860	5	61	45	0.000	0.000	1.000
2860.						
2861	5	61	44	0.000	0.000	1.000
2861.						
2862	5	61	43	0.000	0.000	1.000
2862.						
2863	5	61	42	0.000	0.000	1.000
2863.						
2864	5	61	42	0.000	0.000	1.000
2864.						
2865	5	60	55	0.000	0.000	1.000
2865.						
2866	5	60	54	0.000	0.000	1.000
2866.						
2867	5	60	53	0.000	0.000	1.000
2867.						
2868	5	60	52	0.000	0.000	1.000
2868.						
2869	5	60	52	0.000	0.000	1.000
2869.						
2870	5	60	51	0.000	0.000	1.000
2870.						
2871	5	60	50	0.000	0.000	1.000
2871.						
2872	5	60	49	0.000	0.000	1.000
2872.						
2873	5	60	49	0.000	0.000	1.000
2873.						
2874	5	60	48	0.000	0.000	1.000
2874.						
2875	5	60	47	0.000	0.000	1.000
2875.						
2876	5	60	46	0.000	0.000	1.000
2876.						
2877	5	60	46	0.000	0.000	1.000
2877.						
2878	5	60	45	0.000	0.000	1.000
2878.						
2879	5	60	44	0.000	0.000	1.000
2879.						
2880	5	60	43	0.000	0.000	1.000
2880.						
2881	5	60	42	0.000	0.000	1.000

BARRIER_LOWK.out

2881.						
2882.	5	60	41	0.000	0.000	1.000
2883.						
2884.	5	60	41	0.000	0.000	1.000
2885.						
2886.	5	60	55	0.000	0.000	1.000
2887.						
2888.	5	60	54	0.000	0.000	1.000
2889.						
2890.	5	60	53	0.000	0.000	1.000
2891.						
2892.	5	60	52	0.000	0.000	1.000
2893.						
2894.	5	60	51	0.000	0.000	1.000
2895.						
2896.	5	60	51	0.000	0.000	1.000
2897.						
2898.	5	60	50	0.000	0.000	1.000
2899.						
2900.	5	60	49	0.000	0.000	1.000
2901.						
2902.	5	60	48	0.000	0.000	1.000
2903.						
2904.	5	60	48	0.000	0.000	1.000
2905.						
2906.	5	60	47	0.000	0.000	1.000
2907.						
2908.	5	60	46	0.000	0.000	1.000
2909.						
2910.	5	60	45	0.000	0.000	1.000
2911.						
2912.	5	60	45	0.000	0.000	1.000
2913.						
2914.	5	60	44	0.000	0.000	1.000
2915.						
2916.	5	60	44	0.000	0.000	1.000
2917.						
2918.	5	60	43	0.000	0.000	1.000
2919.						
2920.	5	60	42	0.000	0.000	1.000
2921.						
2922.	5	60	42	0.000	0.000	1.000
2923.						
2924.	5	60	54	0.000	0.000	1.000
2925.						
2926.	5	60	53	0.000	0.000	1.000
2927.						
2928.	5	60	52	0.000	0.000	1.000
2929.						
2930.	5	60	52	0.000	0.000	1.000
2931.						
2932.	5	60	51	0.000	0.000	1.000
2933.						
2934.	5	60	50	0.000	0.000	1.000
2935.						
2936.	5	60	49	0.000	0.000	1.000
2937.						
2938.	5	60	49	0.000	0.000	1.000
2939.						
2940.	5	60	48	0.000	0.000	1.000
2941.						
2942.	5	60	47	0.000	0.000	1.000
2943.						
2944.	5	60	46	0.000	0.000	1.000
2945.						

				BARRIER_LOWK.out		
2913	5	60	46	0.000	0.000	1.000
2913.						
2914	5	60	45	0.000	0.000	1.000
2914.						
2915	5	60	44	0.000	0.000	1.000
2915.						
2916	5	60	43	0.000	0.000	1.000
2916.						
2917	5	60	42	0.000	0.000	1.000
2917.						
2918	5	60	41	0.000	0.000	1.000
2918.						
2919	5	60	41	0.000	0.000	1.000
2919.						
2920	5	59	54	0.000	0.000	1.000
2920.						
2921	5	59	53	0.000	0.000	1.000
2921.						
2922	5	59	52	0.000	0.000	1.000
2922.						
2923	5	59	51	0.000	0.000	1.000
2923.						
2924	5	59	51	0.000	0.000	1.000
2924.						
2925	5	59	50	0.000	0.000	1.000
2925.						
2926	5	59	49	0.000	0.000	1.000
2926.						
2927	5	59	48	0.000	0.000	1.000
2927.						
2928	5	59	48	0.000	0.000	1.000
2928.						
2929	5	59	47	0.000	0.000	1.000
2929.						
2930	5	59	46	0.000	0.000	1.000
2930.						
2931	5	59	45	0.000	0.000	1.000
2931.						
2932	5	59	45	0.000	0.000	1.000
2932.						
2933	5	59	44	0.000	0.000	1.000
2933.						
2934	5	59	43	0.000	0.000	1.000
2934.						
2935	5	59	42	0.000	0.000	1.000
2935.						
2936	5	59	42	0.000	0.000	1.000
2936.						
2937	5	59	54	0.000	0.000	1.000
2937.						
2938	5	59	53	0.000	0.000	1.000
2938.						
2939	5	59	52	0.000	0.000	1.000
2939.						
2940	5	59	52	0.000	0.000	1.000
2940.						
2941	5	59	51	0.000	0.000	1.000
2941.						
2942	5	59	50	0.000	0.000	1.000
2942.						
2943	5	59	49	0.000	0.000	1.000
2943.						
2944	5	59	49	0.000	0.000	1.000

BARRIER_LOWK.out						
2944.						
2945.	5	59	48	0.000	0.000	1.000
2946.	5	59	47	0.000	0.000	1.000
2947.	5	59	46	0.000	0.000	1.000
2948.	5	59	46	0.000	0.000	1.000
2949.	5	59	45	0.000	0.000	1.000
2950.	5	59	44	0.000	0.000	1.000
2951.	5	59	43	0.000	0.000	1.000
2952.	5	59	42	0.000	0.000	1.000
2953.	5	59	41	0.000	0.000	1.000
2954.	5	59	41	0.000	0.000	1.000
2955.	5	59	53	0.000	0.000	1.000
2956.	5	59	52	0.000	0.000	1.000
2957.	5	59	51	0.000	0.000	1.000
2958.	5	59	51	0.000	0.000	1.000
2959.	5	59	50	0.000	0.000	1.000
2960.	5	59	49	0.000	0.000	1.000
2961.	5	59	48	0.000	0.000	1.000
2962.	5	59	48	0.000	0.000	1.000
2963.	5	59	47	0.000	0.000	1.000
2964.	5	59	46	0.000	0.000	1.000
2965.	5	59	45	0.000	0.000	1.000
2966.	5	59	45	0.000	0.000	1.000
2967.	5	59	44	0.000	0.000	1.000
2968.	5	59	43	0.000	0.000	1.000
2969.	5	59	42	0.000	0.000	1.000
2970.	5	59	42	0.000	0.000	1.000
2971.	5	58	53	0.000	0.000	1.000
2972.	5	58	52	0.000	0.000	1.000
2973.	5	58	52	0.000	0.000	1.000
2974.	5	58	51	0.000	0.000	1.000
2975.	5	58	50	0.000	0.000	1.000

				BARRIER_LOWK.out		
2976	5	58	49	0.000	0.000	1.000
2976.						
2977	5	58	49	0.000	0.000	1.000
2977.						
2978	5	58	48	0.000	0.000	1.000
2978.						
2979	5	58	47	0.000	0.000	1.000
2979.						
2980	5	58	46	0.000	0.000	1.000
2980.						
2981	5	58	46	0.000	0.000	1.000
2981.						
2982	5	58	45	0.000	0.000	1.000
2982.						
2983	5	58	44	0.000	0.000	1.000
2983.						
2984	5	58	43	0.000	0.000	1.000
2984.						
2985	5	58	42	0.000	0.000	1.000
2985.						
2986	5	58	41	0.000	0.000	1.000
2986.						
2987	5	58	41	0.000	0.000	1.000
2987.						
2988	5	58	53	0.000	0.000	1.000
2988.						
2989	5	58	52	0.000	0.000	1.000
2989.						
2990	5	58	51	0.000	0.000	1.000
2990.						
2991	5	58	51	0.000	0.000	1.000
2991.						
2992	5	58	50	0.000	0.000	1.000
2992.						
2993	5	58	49	0.000	0.000	1.000
2993.						
2994	5	58	48	0.000	0.000	1.000
2994.						
2995	5	58	48	0.000	0.000	1.000
2995.						
2996	5	58	47	0.000	0.000	1.000
2996.						
2997	5	58	46	0.000	0.000	1.000
2997.						
2998	5	58	45	0.000	0.000	1.000
2998.						
2999	5	58	45	0.000	0.000	1.000
2999.						
3000	5	58	44	0.000	0.000	1.000
3000.						
3001	5	58	43	0.000	0.000	1.000
3001.						
3002	5	58	42	0.000	0.000	1.000
3002.						
3003	5	58	42	0.000	0.000	1.000
3003.						
3004	5	58	41	0.000	0.000	1.000
3004.						
3005	5	57	53	0.000	0.000	1.000
3005.						
3006	5	57	52	0.000	0.000	1.000
3006.						
3007	5	57	52	0.000	0.000	1.000

BARRIER_LOWK.out

3007.						
3008	5	57	51	0.000	0.000	1.000
3008.						
3009	5	57	50	0.000	0.000	1.000
3009.						
3010	5	57	49	0.000	0.000	1.000
3010.						
3011	5	57	49	0.000	0.000	1.000
3011.						
3012	5	57	48	0.000	0.000	1.000
3012.						
3013	5	57	47	0.000	0.000	1.000
3013.						
3014	5	57	46	0.000	0.000	1.000
3014.						
3015	5	57	46	0.000	0.000	1.000
3015.						
3016	5	57	45	0.000	0.000	1.000
3016.						
3017	5	57	44	0.000	0.000	1.000
3017.						
3018	5	57	43	0.000	0.000	1.000
3018.						
3019	5	57	42	0.000	0.000	1.000
3019.						
3020	5	57	41	0.000	0.000	1.000
3020.						
3021	5	57	41	0.000	0.000	1.000
3021.						
3022	5	57	53	0.000	0.000	1.000
3022.						
3023	5	57	52	0.000	0.000	1.000
3023.						
3024	5	57	51	0.000	0.000	1.000
3024.						
3025	5	57	51	0.000	0.000	1.000
3025.						
3026	5	57	50	0.000	0.000	1.000
3026.						
3027	5	57	49	0.000	0.000	1.000
3027.						
3028	5	57	48	0.000	0.000	1.000
3028.						
3029	5	57	48	0.000	0.000	1.000
3029.						
3030	5	57	47	0.000	0.000	1.000
3030.						
3031	5	57	46	0.000	0.000	1.000
3031.						
3032	5	57	45	0.000	0.000	1.000
3032.						
3033	5	57	45	0.000	0.000	1.000
3033.						
3034	5	57	44	0.000	0.000	1.000
3034.						
3035	5	57	43	0.000	0.000	1.000
3035.						
3036	5	57	42	0.000	0.000	1.000
3036.						
3037	5	57	42	0.000	0.000	1.000
3037.						
3038	5	57	41	0.000	0.000	1.000
3038.						

				BARRIER_LOWK.out		
3039	5	57	40	0.000	0.000	1.000
3039.						
3040	5	57	52	0.000	0.000	1.000
3040.						
3041	5	57	52	0.000	0.000	1.000
3041.						
3042	5	57	51	0.000	0.000	1.000
3042.						
3043	5	57	50	0.000	0.000	1.000
3043.						
3044	5	57	49	0.000	0.000	1.000
3044.						
3045	5	57	49	0.000	0.000	1.000
3045.						
3046	5	57	48	0.000	0.000	1.000
3046.						
3047	5	57	47	0.000	0.000	1.000
3047.						
3048	5	57	46	0.000	0.000	1.000
3048.						
3049	5	57	46	0.000	0.000	1.000
3049.						
3050	5	57	45	0.000	0.000	1.000
3050.						
3051	5	57	44	0.000	0.000	1.000
3051.						
3052	5	57	43	0.000	0.000	1.000
3052.						
3053	5	57	42	0.000	0.000	1.000
3053.						
3054	5	57	41	0.000	0.000	1.000
3054.						
3055	5	57	41	0.000	0.000	1.000
3055.						
3056	5	56	53	0.000	0.000	1.000
3056.						
3057	5	56	52	0.000	0.000	1.000
3057.						
3058	5	56	51	0.000	0.000	1.000
3058.						
3059	5	56	51	0.000	0.000	1.000
3059.						
3060	5	56	50	0.000	0.000	1.000
3060.						
3061	5	56	49	0.000	0.000	1.000
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3062	5	56	48	0.000	0.000	1.000
3062.						
3063	5	56	48	0.000	0.000	1.000
3063.						
3064	5	56	47	0.000	0.000	1.000
3064.						
3065	5	56	46	0.000	0.000	1.000
3065.						
3066	5	56	45	0.000	0.000	1.000
3066.						
3067	5	56	45	0.000	0.000	1.000
3067.						
3068	5	56	44	0.000	0.000	1.000
3068.						
3069	5	56	43	0.000	0.000	1.000
3069.						
3070	5	56	42	0.000	0.000	1.000

				BARRIER_LOWK.out		
3070.						
3071.	5	56	42	0.000	0.000	1.000
3071.						
3072.	5	56	41	0.000	0.000	1.000
3072.						
3073.	5	56	40	0.000	0.000	1.000
3073.						
3074.	5	56	52	0.000	0.000	1.000
3074.						
3075.	5	56	52	0.000	0.000	1.000
3075.						
3076.	5	56	51	0.000	0.000	1.000
3076.						
3077.	5	56	50	0.000	0.000	1.000
3077.						
3078.	5	56	49	0.000	0.000	1.000
3078.						
3079.	5	56	49	0.000	0.000	1.000
3079.						
3080.	5	56	48	0.000	0.000	1.000
3080.						
3081.	5	56	47	0.000	0.000	1.000
3081.						
3082.	5	56	46	0.000	0.000	1.000
3082.						
3083.	5	56	46	0.000	0.000	1.000
3083.						
3084.	5	56	45	0.000	0.000	1.000
3084.						
3085.	5	56	44	0.000	0.000	1.000
3085.						
3086.	5	56	43	0.000	0.000	1.000
3086.						
3087.	5	56	42	0.000	0.000	1.000
3087.						
3088.	5	56	41	0.000	0.000	1.000
3088.						
3089.	5	56	41	0.000	0.000	1.000
3089.						
3090.	5	56	40	0.000	0.000	1.000
3090.						
3091.	5	56	52	0.000	0.000	1.000
3091.						
3092.	5	56	51	0.000	0.000	1.000
3092.						
3093.	5	56	51	0.000	0.000	1.000
3093.						
3094.	5	56	50	0.000	0.000	1.000
3094.						
3095.	5	56	49	0.000	0.000	1.000
3095.						
3096.	5	56	48	0.000	0.000	1.000
3096.						
3097.	5	56	48	0.000	0.000	1.000
3097.						
3098.	5	56	47	0.000	0.000	1.000
3098.						
3099.	5	56	46	0.000	0.000	1.000
3099.						
3100.	5	56	45	0.000	0.000	1.000
3100.						
3101.	5	56	45	0.000	0.000	1.000
3101.						

				BARRIER_LOWK.out		
3102	5	56	44	0.000	0.000	1.000
3102.						
3103	5	56	43	0.000	0.000	1.000
3103.						
3104	5	56	42	0.000	0.000	1.000
3104.						
3105	5	56	42	0.000	0.000	1.000
3105.						
3106	5	56	41	0.000	0.000	1.000
3106.						
3107	5	56	40	0.000	0.000	1.000
3107.						
3108	5	55	52	0.000	0.000	1.000
3108.						
3109	5	55	52	0.000	0.000	1.000
3109.						
3110	5	55	51	0.000	0.000	1.000
3110.						
3111	5	55	50	0.000	0.000	1.000
3111.						
3112	5	55	49	0.000	0.000	1.000
3112.						
3113	5	55	49	0.000	0.000	1.000
3113.						
3114	5	55	48	0.000	0.000	1.000
3114.						
3115	5	55	47	0.000	0.000	1.000
3115.						
3116	5	55	46	0.000	0.000	1.000
3116.						
3117	5	55	46	0.000	0.000	1.000
3117.						
3118	5	55	45	0.000	0.000	1.000
3118.						
3119	5	55	44	0.000	0.000	1.000
3119.						
3120	5	55	43	0.000	0.000	1.000
3120.						
3121	5	55	42	0.000	0.000	1.000
3121.						
3122	5	55	41	0.000	0.000	1.000
3122.						
3123	5	55	41	0.000	0.000	1.000
3123.						
3124	5	55	40	0.000	0.000	1.000
3124.						
3125	5	55	39	0.000	0.000	1.000
3125.						
3126	5	55	52	0.000	0.000	1.000
3126.						
3127	5	55	51	0.000	0.000	1.000
3127.						
3128	5	55	51	0.000	0.000	1.000
3128.						
3129	5	55	50	0.000	0.000	1.000
3129.						
3130	5	55	49	0.000	0.000	1.000
3130.						
3131	5	55	48	0.000	0.000	1.000
3131.						
3132	5	55	48	0.000	0.000	1.000
3132.						
3133	5	55	47	0.000	0.000	1.000

BARRIER_LOWK.out

3133.						
3134.	5	55	46	0.000	0.000	1.000
3134.						
3135.	5	55	45	0.000	0.000	1.000
3135.						
3136.	5	55	45	0.000	0.000	1.000
3136.						
3137.	5	55	44	0.000	0.000	1.000
3137.						
3138.	5	55	43	0.000	0.000	1.000
3138.						
3139.	5	55	42	0.000	0.000	1.000
3139.						
3140.	5	55	42	0.000	0.000	1.000
3140.						
3141.	5	55	41	0.000	0.000	1.000
3141.						
3142.	5	55	40	0.000	0.000	1.000
3142.						
3143.	5	54	52	0.000	0.000	1.000
3143.						
3144.	5	54	52	0.000	0.000	1.000
3144.						
3145.	5	54	51	0.000	0.000	1.000
3145.						
3146.	5	54	50	0.000	0.000	1.000
3146.						
3147.	5	54	49	0.000	0.000	1.000
3147.						
3148.	5	54	49	0.000	0.000	1.000
3148.						
3149.	5	54	48	0.000	0.000	1.000
3149.						
3150.	5	54	47	0.000	0.000	1.000
3150.						
3151.	5	54	46	0.000	0.000	1.000
3151.						
3152.	5	54	46	0.000	0.000	1.000
3152.						
3153.	5	54	45	0.000	0.000	1.000
3153.						
3154.	5	54	44	0.000	0.000	1.000
3154.						
3155.	5	54	43	0.000	0.000	1.000
3155.						
3156.	5	54	42	0.000	0.000	1.000
3156.						
3157.	5	54	41	0.000	0.000	1.000
3157.						
3158.	5	54	41	0.000	0.000	1.000
3158.						
3159.	5	54	40	0.000	0.000	1.000
3159.						
3160.	5	54	39	0.000	0.000	1.000
3160.						
3161.	5	54	52	0.000	0.000	1.000
3161.						
3162.	5	54	51	0.000	0.000	1.000
3162.						
3163.	5	54	51	0.000	0.000	1.000
3163.						
3164.	5	54	50	0.000	0.000	1.000
3164.						

				BARRIER_LOWK.out		
3165	5	54	49	0.000	0.000	1.000
3165.						
3166	5	54	48	0.000	0.000	1.000
3166.						
3167	5	54	48	0.000	0.000	1.000
3167.						
3168	5	54	47	0.000	0.000	1.000
3168.						
3169	5	54	46	0.000	0.000	1.000
3169.						
3170	5	54	45	0.000	0.000	1.000
3170.						
3171	5	54	45	0.000	0.000	1.000
3171.						
3172	5	54	44	0.000	0.000	1.000
3172.						
3173	5	54	43	0.000	0.000	1.000
3173.						
3174	5	54	42	0.000	0.000	1.000
3174.						
3175	5	54	42	0.000	0.000	1.000
3175.						
3176	5	54	41	0.000	0.000	1.000
3176.						
3177	5	54	40	0.000	0.000	1.000
3177.						
3178	5	54	39	0.000	0.000	1.000
3178.						
3179	5	54	52	0.000	0.000	1.000
3179.						
3180	5	54	52	0.000	0.000	1.000
3180.						
3181	5	54	51	0.000	0.000	1.000
3181.						
3182	5	54	50	0.000	0.000	1.000
3182.						
3183	5	54	49	0.000	0.000	1.000
3183.						
3184	5	54	49	0.000	0.000	1.000
3184.						
3185	5	54	48	0.000	0.000	1.000
3185.						
3186	5	54	47	0.000	0.000	1.000
3186.						
3187	5	54	46	0.000	0.000	1.000
3187.						
3188	5	54	46	0.000	0.000	1.000
3188.						
3189	5	54	45	0.000	0.000	1.000
3189.						
3190	5	54	44	0.000	0.000	1.000
3190.						
3191	5	54	43	0.000	0.000	1.000
3191.						
3192	5	54	42	0.000	0.000	1.000
3192.						
3193	5	54	41	0.000	0.000	1.000
3193.						
3194	5	54	41	0.000	0.000	1.000
3194.						
3195	5	54	40	0.000	0.000	1.000
3195.						
3196	5	54	39	0.000	0.000	1.000

BARRIER_LOWK.out

3196.						
3197.	5	53	51	0.000	0.000	1.000
3197.						
3198.	5	53	51	0.000	0.000	1.000
3198.						
3199.	5	53	50	0.000	0.000	1.000
3199.						
3200.	5	53	49	0.000	0.000	1.000
3200.						
3201.	5	53	48	0.000	0.000	1.000
3201.						
3202.	5	53	48	0.000	0.000	1.000
3202.						
3203.	5	53	47	0.000	0.000	1.000
3203.						
3204.	5	53	46	0.000	0.000	1.000
3204.						
3205.	5	53	45	0.000	0.000	1.000
3205.						
3206.	5	53	45	0.000	0.000	1.000
3206.						
3207.	5	53	44	0.000	0.000	1.000
3207.						
3208.	5	53	43	0.000	0.000	1.000
3208.						
3209.	5	53	42	0.000	0.000	1.000
3209.						
3210.	5	53	42	0.000	0.000	1.000
3210.						
3211.	5	53	41	0.000	0.000	1.000
3211.						
3212.	5	53	40	0.000	0.000	1.000
3212.						
3213.	5	53	39	0.000	0.000	1.000
3213.						
3214.	5	53	39	0.000	0.000	1.000
3214.						
3215.	5	53	52	0.000	0.000	1.000
3215.						
3216.	5	53	51	0.000	0.000	1.000
3216.						
3217.	5	53	50	0.000	0.000	1.000
3217.						
3218.	5	53	49	0.000	0.000	1.000
3218.						
3219.	5	53	49	0.000	0.000	1.000
3219.						
3220.	5	53	48	0.000	0.000	1.000
3220.						
3221.	5	53	47	0.000	0.000	1.000
3221.						
3222.	5	53	46	0.000	0.000	1.000
3222.						
3223.	5	53	46	0.000	0.000	1.000
3223.						
3224.	5	53	45	0.000	0.000	1.000
3224.						
3225.	5	53	44	0.000	0.000	1.000
3225.						
3226.	5	53	43	0.000	0.000	1.000
3226.						
3227.	5	53	42	0.000	0.000	1.000
3227.						

				BARRIER_LOWK.out		
3228	5	53	41	0.000	0.000	1.000
3228.						
3229	5	53	41	0.000	0.000	1.000
3229.						
3230	5	53	40	0.000	0.000	1.000
3230.						
3231	5	53	39	0.000	0.000	1.000
3231.						
3232	5	53	38	0.000	0.000	1.000
3232.						
3233	5	53	51	0.000	0.000	1.000
3233.						
3234	5	53	51	0.000	0.000	1.000
3234.						
3235	5	53	50	0.000	0.000	1.000
3235.						
3236	5	53	49	0.000	0.000	1.000
3236.						
3237	5	53	48	0.000	0.000	1.000
3237.						
3238	5	53	48	0.000	0.000	1.000
3238.						
3239	5	53	47	0.000	0.000	1.000
3239.						
3240	5	53	46	0.000	0.000	1.000
3240.						
3241	5	53	45	0.000	0.000	1.000
3241.						
3242	5	53	45	0.000	0.000	1.000
3242.						
3243	5	53	44	0.000	0.000	1.000
3243.						
3244	5	53	43	0.000	0.000	1.000
3244.						
3245	5	53	42	0.000	0.000	1.000
3245.						
3246	5	53	42	0.000	0.000	1.000
3246.						
3247	5	53	41	0.000	0.000	1.000
3247.						
3248	5	53	40	0.000	0.000	1.000
3248.						
3249	5	53	39	0.000	0.000	1.000
3249.						
3250	5	53	39	0.000	0.000	1.000
3250.						
3251	5	52	51	0.000	0.000	1.000
3251.						
3252	5	52	50	0.000	0.000	1.000
3252.						
3253	5	52	49	0.000	0.000	1.000
3253.						
3254	5	52	49	0.000	0.000	1.000
3254.						
3255	5	52	48	0.000	0.000	1.000
3255.						
3256	5	52	47	0.000	0.000	1.000
3256.						
3257	5	52	46	0.000	0.000	1.000
3257.						
3258	5	52	46	0.000	0.000	1.000
3258.						
3259	5	52	45	0.000	0.000	1.000

BARRIER_LOWK.out

3259.						
3260.	5	52	44	0.000	0.000	1.000
3261.						
3261.	5	52	43	0.000	0.000	1.000
3262.						
3262.	5	52	42	0.000	0.000	1.000
3263.						
3263.	5	52	41	0.000	0.000	1.000
3264.						
3264.	5	52	41	0.000	0.000	1.000
3265.						
3265.	5	52	40	0.000	0.000	1.000
3266.						
3266.	5	52	39	0.000	0.000	1.000
3267.						
3267.	5	52	38	0.000	0.000	1.000
3268.						
3268.	5	52	51	0.000	0.000	1.000
3269.						
3269.	5	52	51	0.000	0.000	1.000
3270.						
3270.	5	52	50	0.000	0.000	1.000
3271.						
3271.	5	52	49	0.000	0.000	1.000
3272.						
3272.	5	52	48	0.000	0.000	1.000
3273.						
3273.	5	52	48	0.000	0.000	1.000
3274.						
3274.	5	52	47	0.000	0.000	1.000
3275.						
3275.	5	52	46	0.000	0.000	1.000
3276.						
3276.	5	52	45	0.000	0.000	1.000
3277.						
3277.	5	52	45	0.000	0.000	1.000
3278.						
3278.	5	52	44	0.000	0.000	1.000
3279.						
3279.	5	52	43	0.000	0.000	1.000
3280.						
3280.	5	52	42	0.000	0.000	1.000
3281.						
3281.	5	52	42	0.000	0.000	1.000
3282.						
3282.	5	52	41	0.000	0.000	1.000
3283.						
3283.	5	52	40	0.000	0.000	1.000
3284.						
3284.	5	52	39	0.000	0.000	1.000
3285.						
3285.	5	52	39	0.000	0.000	1.000
3286.						
3286.	5	51	51	0.000	0.000	1.000
3287.						
3287.	5	51	50	0.000	0.000	1.000
3288.						
3288.	5	51	49	0.000	0.000	1.000
3289.						
3289.	5	51	49	0.000	0.000	1.000
3290.						
3290.	5	51	48	0.000	0.000	1.000

				BARRIER_LOWK.out		
3291	5	51	47	0.000	0.000	1.000
3291.						
3292	5	51	46	0.000	0.000	1.000
3292.						
3293	5	51	46	0.000	0.000	1.000
3293.						
3294	5	51	45	0.000	0.000	1.000
3294.						
3295	5	51	44	0.000	0.000	1.000
3295.						
3296	5	51	43	0.000	0.000	1.000
3296.						
3297	5	51	42	0.000	0.000	1.000
3297.						
3298	5	51	41	0.000	0.000	1.000
3298.						
3299	5	51	41	0.000	0.000	1.000
3299.						
3300	5	51	40	0.000	0.000	1.000
3300.						
3301	5	51	39	0.000	0.000	1.000
3301.						
3302	5	51	38	0.000	0.000	1.000
3302.						
3303	5	51	38	0.000	0.000	1.000
3303.						
3304	5	51	51	0.000	0.000	1.000
3304.						
3305	5	51	50	0.000	0.000	1.000
3305.						
3306	5	51	49	0.000	0.000	1.000
3306.						
3307	5	51	48	0.000	0.000	1.000
3307.						
3308	5	51	48	0.000	0.000	1.000
3308.						
3309	5	51	47	0.000	0.000	1.000
3309.						
3310	5	51	46	0.000	0.000	1.000
3310.						
3311	5	51	45	0.000	0.000	1.000
3311.						
3312	5	51	45	0.000	0.000	1.000
3312.						
3313	5	51	44	0.000	0.000	1.000
3313.						
3314	5	51	43	0.000	0.000	1.000
3314.						
3315	5	51	42	0.000	0.000	1.000
3315.						
3316	5	51	42	0.000	0.000	1.000
3316.						
3317	5	51	41	0.000	0.000	1.000
3317.						
3318	5	51	40	0.000	0.000	1.000
3318.						
3319	5	51	39	0.000	0.000	1.000
3319.						
3320	5	51	39	0.000	0.000	1.000
3320.						
3321	5	51	38	0.000	0.000	1.000
3321.						
3322	5	51	51	0.000	0.000	1.000

BARRIER_LOWK.out						
3322.						
3323	5	51	50	0.000	0.000	1.000
3323.						
3324	5	51	49	0.000	0.000	1.000
3324.						
3325	5	51	49	0.000	0.000	1.000
3325.						
3326	5	51	48	0.000	0.000	1.000
3326.						
3327	5	51	47	0.000	0.000	1.000
3327.						
3328	5	51	46	0.000	0.000	1.000
3328.						
3329	5	51	46	0.000	0.000	1.000
3329.						
3330	5	51	45	0.000	0.000	1.000
3330.						
3331	5	51	44	0.000	0.000	1.000
3331.						
3332	5	51	43	0.000	0.000	1.000
3332.						
3333	5	51	42	0.000	0.000	1.000
3333.						
3334	5	51	41	0.000	0.000	1.000
3334.						
3335	5	51	41	0.000	0.000	1.000
3335.						
3336	5	51	40	0.000	0.000	1.000
3336.						
3337	5	51	39	0.000	0.000	1.000
3337.						
3338	5	51	38	0.000	0.000	1.000
3338.						
3339	5	51	38	0.000	0.000	1.000
3339.						
3340	5	50	51	0.000	0.000	1.000
3340.						
3341	5	50	50	0.000	0.000	1.000
3341.						
3342	5	50	49	0.000	0.000	1.000
3342.						
3343	5	50	48	0.000	0.000	1.000
3343.						
3344	5	50	48	0.000	0.000	1.000
3344.						
3345	5	50	47	0.000	0.000	1.000
3345.						
3346	5	50	46	0.000	0.000	1.000
3346.						
3347	5	50	45	0.000	0.000	1.000
3347.						
3348	5	50	45	0.000	0.000	1.000
3348.						
3349	5	50	44	0.000	0.000	1.000
3349.						
3350	5	50	43	0.000	0.000	1.000
3350.						
3351	5	50	42	0.000	0.000	1.000
3351.						
3352	5	50	42	0.000	0.000	1.000
3352.						
3353	5	50	41	0.000	0.000	1.000
3353.						

				BARRIER_LOWK.out		
3354	5	50	40	0.000	0.000	1.000
3354.						
3355	5	50	39	0.000	0.000	1.000
3355.						
3356	5	50	39	0.000	0.000	1.000
3356.						
3357	5	50	38	0.000	0.000	1.000
3357.						
3358	5	50	51	0.000	0.000	1.000
3358.						
3359	5	50	50	0.000	0.000	1.000
3359.						
3360	5	50	49	0.000	0.000	1.000
3360.						
3361	5	50	49	0.000	0.000	1.000
3361.						
3362	5	50	48	0.000	0.000	1.000
3362.						
3363	5	50	47	0.000	0.000	1.000
3363.						
3364	5	50	46	0.000	0.000	1.000
3364.						
3365	5	50	46	0.000	0.000	1.000
3365.						
3366	5	50	45	0.000	0.000	1.000
3366.						
3367	5	50	44	0.000	0.000	1.000
3367.						
3368	5	50	43	0.000	0.000	1.000
3368.						
3369	5	50	42	0.000	0.000	1.000
3369.						
3370	5	50	41	0.000	0.000	1.000
3370.						
3371	5	50	41	0.000	0.000	1.000
3371.						
3372	5	50	40	0.000	0.000	1.000
3372.						
3373	5	50	39	0.000	0.000	1.000
3373.						
3374	5	50	38	0.000	0.000	1.000
3374.						
3375	5	50	38	0.000	0.000	1.000
3375.						
3376	5	50	51	0.000	0.000	1.000
3376.						
3377	5	50	50	0.000	0.000	1.000
3377.						
3378	5	50	49	0.000	0.000	1.000
3378.						
3379	5	50	48	0.000	0.000	1.000
3379.						
3380	5	50	48	0.000	0.000	1.000
3380.						
3381	5	50	47	0.000	0.000	1.000
3381.						
3382	5	50	46	0.000	0.000	1.000
3382.						
3383	5	50	45	0.000	0.000	1.000
3383.						
3384	5	50	45	0.000	0.000	1.000
3384.						
3385	5	50	44	0.000	0.000	1.000

BARRIER_LOWK.out

3385.						
3386	5	50	43	0.000	0.000	1.000
3386.						
3387	5	50	42	0.000	0.000	1.000
3387.						
3388	5	50	42	0.000	0.000	1.000
3388.						
3389	5	50	41	0.000	0.000	1.000
3389.						
3390	5	50	40	0.000	0.000	1.000
3390.						
3391	5	50	39	0.000	0.000	1.000
3391.						
3392	5	50	39	0.000	0.000	1.000
3392.						
3393	5	50	38	0.000	0.000	1.000
3393.						
3394	5	50	37	0.000	0.000	1.000
3394.						
3395	5	49	51	0.000	0.000	1.000
3395.						
3396	5	49	50	0.000	0.000	1.000
3396.						
3397	5	49	49	0.000	0.000	1.000
3397.						
3398	5	49	49	0.000	0.000	1.000
3398.						
3399	5	49	48	0.000	0.000	1.000
3399.						
3400	5	49	47	0.000	0.000	1.000
3400.						
3401	5	49	46	0.000	0.000	1.000
3401.						
3402	5	49	46	0.000	0.000	1.000
3402.						
3403	5	49	45	0.000	0.000	1.000
3403.						
3404	5	49	44	0.000	0.000	1.000
3404.						
3405	5	49	43	0.000	0.000	1.000
3405.						
3406	5	49	42	0.000	0.000	1.000
3406.						
3407	5	49	41	0.000	0.000	1.000
3407.						
3408	5	49	41	0.000	0.000	1.000
3408.						
3409	5	49	40	0.000	0.000	1.000
3409.						
3410	5	49	39	0.000	0.000	1.000
3410.						
3411	5	49	38	0.000	0.000	1.000
3411.						
3412	5	49	38	0.000	0.000	1.000
3412.						
3413	5	49	37	0.000	0.000	1.000
3413.						
3414	5	49	51	0.000	0.000	1.000
3414.						
3415	5	49	50	0.000	0.000	1.000
3415.						
3416	5	49	49	0.000	0.000	1.000
3416.						

				BARRIER_LOWK.out		
3417	5	49	48	0.000	0.000	1.000
3417.						
3418	5	49	48	0.000	0.000	1.000
3418.						
3419	5	49	47	0.000	0.000	1.000
3419.						
3420	5	49	46	0.000	0.000	1.000
3420.						
3421	5	49	45	0.000	0.000	1.000
3421.						
3422	5	49	45	0.000	0.000	1.000
3422.						
3423	5	49	44	0.000	0.000	1.000
3423.						
3424	5	49	43	0.000	0.000	1.000
3424.						
3425	5	49	42	0.000	0.000	1.000
3425.						
3426	5	49	42	0.000	0.000	1.000
3426.						
3427	5	49	41	0.000	0.000	1.000
3427.						
3428	5	49	40	0.000	0.000	1.000
3428.						
3429	5	49	39	0.000	0.000	1.000
3429.						
3430	5	49	39	0.000	0.000	1.000
3430.						
3431	5	49	38	0.000	0.000	1.000
3431.						
3432	5	49	37	0.000	0.000	1.000
3432.						
3433	5	48	51	0.000	0.000	1.000
3433.						
3434	5	48	50	0.000	0.000	1.000
3434.						
3435	5	48	49	0.000	0.000	1.000
3435.						
3436	5	48	49	0.000	0.000	1.000
3436.						
3437	5	48	48	0.000	0.000	1.000
3437.						
3438	5	48	47	0.000	0.000	1.000
3438.						
3439	5	48	46	0.000	0.000	1.000
3439.						
3440	5	48	46	0.000	0.000	1.000
3440.						
3441	5	48	45	0.000	0.000	1.000
3441.						
3442	5	48	44	0.000	0.000	1.000
3442.						
3443	5	48	43	0.000	0.000	1.000
3443.						
3444	5	48	42	0.000	0.000	1.000
3444.						
3445	5	48	41	0.000	0.000	1.000
3445.						
3446	5	48	41	0.000	0.000	1.000
3446.						
3447	5	48	40	0.000	0.000	1.000
3447.						
3448	5	48	39	0.000	0.000	1.000

				BARRIER_LOWK.out		
3448.						
3449.	5	48	38	0.000	0.000	1.000
3450.						
3450.	5	48	38	0.000	0.000	1.000
3451.						
3451.	5	48	37	0.000	0.000	1.000
3452.						
3452.	5	48	36	0.000	0.000	1.000
3453.						
3453.	5	48	50	0.000	0.000	1.000
3454.						
3454.	5	48	49	0.000	0.000	1.000
3455.						
3455.	5	48	48	0.000	0.000	1.000
3456.						
3456.	5	48	48	0.000	0.000	1.000
3457.						
3457.	5	48	47	0.000	0.000	1.000
3458.						
3458.	5	48	46	0.000	0.000	1.000
3459.						
3459.	5	48	45	0.000	0.000	1.000
3460.						
3460.	5	48	45	0.000	0.000	1.000
3461.						
3461.	5	48	44	0.000	0.000	1.000
3462.						
3462.	5	48	43	0.000	0.000	1.000
3463.						
3463.	5	48	42	0.000	0.000	1.000
3464.						
3464.	5	48	42	0.000	0.000	1.000
3465.						
3465.	5	48	41	0.000	0.000	1.000
3466.						
3466.	5	48	40	0.000	0.000	1.000
3467.						
3467.	5	48	39	0.000	0.000	1.000
3468.						
3468.	5	48	39	0.000	0.000	1.000
3469.						
3469.	5	48	38	0.000	0.000	1.000
3470.						
3470.	5	48	37	0.000	0.000	1.000
3471.						
3471.	5	48	36	0.000	0.000	1.000
3472.						
3472.	5	48	51	0.000	0.000	1.000
3473.						
3473.	5	48	50	0.000	0.000	1.000
3474.						
3474.	5	48	49	0.000	0.000	1.000
3475.						
3475.	5	48	49	0.000	0.000	1.000
3476.						
3476.	5	48	48	0.000	0.000	1.000
3477.						
3477.	5	48	47	0.000	0.000	1.000
3478.						
3478.	5	48	46	0.000	0.000	1.000
3479.						
3479.	5	48	46	0.000	0.000	1.000

				BARRIER_LOWK.out		
3480	5	48	45	0.000	0.000	1.000
3480.						
3481	5	48	44	0.000	0.000	1.000
3481.						
3482	5	48	43	0.000	0.000	1.000
3482.						
3483	5	48	42	0.000	0.000	1.000
3483.						
3484	5	48	41	0.000	0.000	1.000
3484.						
3485	5	48	41	0.000	0.000	1.000
3485.						
3486	5	48	40	0.000	0.000	1.000
3486.						
3487	5	48	39	0.000	0.000	1.000
3487.						
3488	5	48	38	0.000	0.000	1.000
3488.						
3489	5	48	38	0.000	0.000	1.000
3489.						
3490	5	48	37	0.000	0.000	1.000
3490.						
3491	5	48	36	0.000	0.000	1.000
3491.						
3492	5	47	50	0.000	0.000	1.000
3492.						
3493	5	47	49	0.000	0.000	1.000
3493.						
3494	5	47	48	0.000	0.000	1.000
3494.						
3495	5	47	48	0.000	0.000	1.000
3495.						
3496	5	47	47	0.000	0.000	1.000
3496.						
3497	5	47	46	0.000	0.000	1.000
3497.						
3498	5	47	45	0.000	0.000	1.000
3498.						
3499	5	47	45	0.000	0.000	1.000
3499.						
3500	5	47	44	0.000	0.000	1.000
3500.						
3501	5	47	43	0.000	0.000	1.000
3501.						
3502	5	47	42	0.000	0.000	1.000
3502.						
3503	5	47	42	0.000	0.000	1.000
3503.						
3504	5	47	41	0.000	0.000	1.000
3504.						
3505	5	47	40	0.000	0.000	1.000
3505.						
3506	5	47	39	0.000	0.000	1.000
3506.						
3507	5	47	39	0.000	0.000	1.000
3507.						
3508	5	47	38	0.000	0.000	1.000
3508.						
3509	5	47	37	0.000	0.000	1.000
3509.						
3510	5	47	36	0.000	0.000	1.000
3510.						
3511	5	47	50	0.000	0.000	1.000

				BARRIER_LOWK.out		
3511.						
3512.	5	47	49	0.000	0.000	1.000
3513.						
3513.	5	47	49	0.000	0.000	1.000
3514.						
3514.	5	47	48	0.000	0.000	1.000
3515.						
3515.	5	47	47	0.000	0.000	1.000
3516.						
3516.	5	47	46	0.000	0.000	1.000
3517.						
3517.	5	47	46	0.000	0.000	1.000
3518.						
3518.	5	47	45	0.000	0.000	1.000
3519.						
3519.	5	47	44	0.000	0.000	1.000
3520.						
3520.	5	47	43	0.000	0.000	1.000
3521.						
3521.	5	47	42	0.000	0.000	1.000
3522.						
3522.	5	47	41	0.000	0.000	1.000
3523.						
3523.	5	47	41	0.000	0.000	1.000
3524.						
3524.	5	47	40	0.000	0.000	1.000
3525.						
3525.	5	47	39	0.000	0.000	1.000
3526.						
3526.	5	47	38	0.000	0.000	1.000
3527.						
3527.	5	47	38	0.000	0.000	1.000
3528.						
3528.	5	47	37	0.000	0.000	1.000
3529.						
3529.	5	47	36	0.000	0.000	1.000
3530.						
3530.	5	47	50	0.000	0.000	1.000
3531.						
3531.	5	47	49	0.000	0.000	1.000
3532.						
3532.	5	47	48	0.000	0.000	1.000
3533.						
3533.	5	47	48	0.000	0.000	1.000
3534.						
3534.	5	47	47	0.000	0.000	1.000
3535.						
3535.	5	47	46	0.000	0.000	1.000
3536.						
3536.	5	47	45	0.000	0.000	1.000
3537.						
3537.	5	47	45	0.000	0.000	1.000
3538.						
3538.	5	47	44	0.000	0.000	1.000
3539.						
3539.	5	47	43	0.000	0.000	1.000
3540.						
3540.	5	47	42	0.000	0.000	1.000
3541.						
3541.	5	47	42	0.000	0.000	1.000
3542.						
3542.	5	47	41	0.000	0.000	1.000

				BARRIER_LOWK.out		
3543	5	47	40	0.000	0.000	1.000
3543.						
3544	5	47	39	0.000	0.000	1.000
3544.						
3545	5	47	39	0.000	0.000	1.000
3545.						
3546	5	47	38	0.000	0.000	1.000
3546.						
3547	5	47	37	0.000	0.000	1.000
3547.						
3548	5	47	36	0.000	0.000	1.000
3548.						
3549	5	47	35	0.000	0.000	1.000
3549.						
3550	5	46	49	0.000	0.000	1.000
3550.						
3551	5	46	49	0.000	0.000	1.000
3551.						
3552	5	46	48	0.000	0.000	1.000
3552.						
3553	5	46	47	0.000	0.000	1.000
3553.						
3554	5	46	46	0.000	0.000	1.000
3554.						
3555	5	46	46	0.000	0.000	1.000
3555.						
3556	5	46	45	0.000	0.000	1.000
3556.						
3557	5	46	44	0.000	0.000	1.000
3557.						
3558	5	46	43	0.000	0.000	1.000
3558.						
3559	5	46	42	0.000	0.000	1.000
3559.						
3560	5	46	41	0.000	0.000	1.000
3560.						
3561	5	46	41	0.000	0.000	1.000
3561.						
3562	5	46	40	0.000	0.000	1.000
3562.						
3563	5	46	39	0.000	0.000	1.000
3563.						
3564	5	46	38	0.000	0.000	1.000
3564.						
3565	5	46	38	0.000	0.000	1.000
3565.						
3566	5	46	37	0.000	0.000	1.000
3566.						
3567	5	46	36	0.000	0.000	1.000
3567.						
3568	5	46	35	0.000	0.000	1.000
3568.						
3569	5	46	50	0.000	0.000	1.000
3569.						
3570	5	46	49	0.000	0.000	1.000
3570.						
3571	5	46	48	0.000	0.000	1.000
3571.						
3572	5	46	48	0.000	0.000	1.000
3572.						
3573	5	46	47	0.000	0.000	1.000
3573.						
3574	5	46	46	0.000	0.000	1.000

BARRIER_LOWK.out

3574.						
3575	5	46	45	0.000	0.000	1.000
3575.						
3576	5	46	45	0.000	0.000	1.000
3576.						
3577	5	46	44	0.000	0.000	1.000
3577.						
3578	5	46	43	0.000	0.000	1.000
3578.						
3579	5	46	42	0.000	0.000	1.000
3579.						
3580	5	46	42	0.000	0.000	1.000
3580.						
3581	5	46	41	0.000	0.000	1.000
3581.						
3582	5	46	40	0.000	0.000	1.000
3582.						
3583	5	46	39	0.000	0.000	1.000
3583.						
3584	5	46	39	0.000	0.000	1.000
3584.						
3585	5	46	38	0.000	0.000	1.000
3585.						
3586	5	46	37	0.000	0.000	1.000
3586.						
3587	5	46	36	0.000	0.000	1.000
3587.						
3588	5	46	35	0.000	0.000	1.000
3588.						
3589	5	45	49	0.000	0.000	1.000
3589.						
3590	5	45	49	0.000	0.000	1.000
3590.						
3591	5	45	48	0.000	0.000	1.000
3591.						
3592	5	45	47	0.000	0.000	1.000
3592.						
3593	5	45	46	0.000	0.000	1.000
3593.						
3594	5	45	46	0.000	0.000	1.000
3594.						
3595	5	45	45	0.000	0.000	1.000
3595.						
3596	5	45	44	0.000	0.000	1.000
3596.						
3597	5	45	43	0.000	0.000	1.000
3597.						
3598	5	45	42	0.000	0.000	1.000
3598.						
3599	5	45	41	0.000	0.000	1.000
3599.						
3600	5	45	41	0.000	0.000	1.000
3600.						
3601	5	45	40	0.000	0.000	1.000
3601.						
3602	5	45	39	0.000	0.000	1.000
3602.						
3603	5	45	38	0.000	0.000	1.000
3603.						
3604	5	45	38	0.000	0.000	1.000
3604.						
3605	5	45	37	0.000	0.000	1.000
3605.						

				BARRIER_LOWK.out		
3606	5	45	36	0.000	0.000	1.000
3606.						
3607	5	45	35	0.000	0.000	1.000
3607.						
3608	5	45	49	0.000	0.000	1.000
3608.						
3609	5	45	48	0.000	0.000	1.000
3609.						
3610	5	45	48	0.000	0.000	1.000
3610.						
3611	5	45	47	0.000	0.000	1.000
3611.						
3612	5	45	46	0.000	0.000	1.000
3612.						
3613	5	45	45	0.000	0.000	1.000
3613.						
3614	5	45	45	0.000	0.000	1.000
3614.						
3615	5	45	44	0.000	0.000	1.000
3615.						
3616	5	45	43	0.000	0.000	1.000
3616.						
3617	5	45	42	0.000	0.000	1.000
3617.						
3618	5	45	42	0.000	0.000	1.000
3618.						
3619	5	45	41	0.000	0.000	1.000
3619.						
3620	5	45	40	0.000	0.000	1.000
3620.						
3621	5	45	39	0.000	0.000	1.000
3621.						
3622	5	45	39	0.000	0.000	1.000
3622.						
3623	5	45	38	0.000	0.000	1.000
3623.						
3624	5	45	37	0.000	0.000	1.000
3624.						
3625	5	45	36	0.000	0.000	1.000
3625.						
3626	5	45	35	0.000	0.000	1.000
3626.						
3627	5	45	49	0.000	0.000	1.000
3627.						
3628	5	45	49	0.000	0.000	1.000
3628.						
3629	5	45	48	0.000	0.000	1.000
3629.						
3630	5	45	47	0.000	0.000	1.000
3630.						
3631	5	45	46	0.000	0.000	1.000
3631.						
3632	5	45	46	0.000	0.000	1.000
3632.						
3633	5	45	45	0.000	0.000	1.000
3633.						
3634	5	45	44	0.000	0.000	1.000
3634.						
3635	5	45	43	0.000	0.000	1.000
3635.						
3636	5	45	42	0.000	0.000	1.000
3636.						
3637	5	45	41	0.000	0.000	1.000

BARRIER_LOWK.out

3637.						
3638.	5	45	41	0.000	0.000	1.000
3638.						
3639.	5	45	40	0.000	0.000	1.000
3639.						
3640.	5	45	39	0.000	0.000	1.000
3640.						
3641.	5	45	38	0.000	0.000	1.000
3641.						
3642.	5	45	38	0.000	0.000	1.000
3642.						
3643.	5	45	37	0.000	0.000	1.000
3643.						
3644.	5	45	36	0.000	0.000	1.000
3644.						
3645.	5	45	35	0.000	0.000	1.000
3645.						
3646.	5	45	35	0.000	0.000	1.000
3646.						
3647.	5	44	48	0.000	0.000	1.000
3647.						
3648.	5	44	48	0.000	0.000	1.000
3648.						
3649.	5	44	47	0.000	0.000	1.000
3649.						
3650.	5	44	46	0.000	0.000	1.000
3650.						
3651.	5	44	45	0.000	0.000	1.000
3651.						
3652.	5	44	45	0.000	0.000	1.000
3652.						
3653.	5	44	44	0.000	0.000	1.000
3653.						
3654.	5	44	43	0.000	0.000	1.000
3654.						
3655.	5	44	42	0.000	0.000	1.000
3655.						
3656.	5	44	42	0.000	0.000	1.000
3656.						
3657.	5	44	41	0.000	0.000	1.000
3657.						
3658.	5	44	40	0.000	0.000	1.000
3658.						
3659.	5	44	39	0.000	0.000	1.000
3659.						
3660.	5	44	39	0.000	0.000	1.000
3660.						
3661.	5	44	38	0.000	0.000	1.000
3661.						
3662.	5	44	37	0.000	0.000	1.000
3662.						
3663.	5	44	36	0.000	0.000	1.000
3663.						
3664.	5	44	35	0.000	0.000	1.000
3664.						
3665.	5	44	49	0.000	0.000	1.000
3665.						
3666.	5	44	48	0.000	0.000	1.000
3666.						
3667.	5	44	47	0.000	0.000	1.000
3667.						
3668.	5	44	46	0.000	0.000	1.000
3668.						

				BARRIER_LOWK.out		
3669	5	44	46	0.000	0.000	1.000
3669.						
3670	5	44	45	0.000	0.000	1.000
3670.						
3671	5	44	44	0.000	0.000	1.000
3671.						
3672	5	44	43	0.000	0.000	1.000
3672.						
3673	5	44	42	0.000	0.000	1.000
3673.						
3674	5	44	41	0.000	0.000	1.000
3674.						
3675	5	44	41	0.000	0.000	1.000
3675.						
3676	5	44	40	0.000	0.000	1.000
3676.						
3677	5	44	39	0.000	0.000	1.000
3677.						
3678	5	44	38	0.000	0.000	1.000
3678.						
3679	5	44	38	0.000	0.000	1.000
3679.						
3680	5	44	37	0.000	0.000	1.000
3680.						
3681	5	44	36	0.000	0.000	1.000
3681.						
3682	5	44	35	0.000	0.000	1.000
3682.						
3683	5	44	35	0.000	0.000	1.000
3683.						
3684	5	44	48	0.000	0.000	1.000
3684.						
3685	5	44	48	0.000	0.000	1.000
3685.						
3686	5	44	47	0.000	0.000	1.000
3686.						
3687	5	44	46	0.000	0.000	1.000
3687.						
3688	5	44	45	0.000	0.000	1.000
3688.						
3689	5	44	45	0.000	0.000	1.000
3689.						
3690	5	44	44	0.000	0.000	1.000
3690.						
3691	5	44	43	0.000	0.000	1.000
3691.						
3692	5	44	42	0.000	0.000	1.000
3692.						
3693	5	44	42	0.000	0.000	1.000
3693.						
3694	5	44	41	0.000	0.000	1.000
3694.						
3695	5	44	40	0.000	0.000	1.000
3695.						
3696	5	44	39	0.000	0.000	1.000
3696.						
3697	5	44	39	0.000	0.000	1.000
3697.						
3698	5	44	38	0.000	0.000	1.000
3698.						
3699	5	44	37	0.000	0.000	1.000
3699.						
3700	5	44	36	0.000	0.000	1.000

				BARRIER_LOWK.out		
3700.						
3701.	5	44	35	0.000	0.000	1.000
3702.						
3703.	5	44	34	0.000	0.000	1.000
3704.						
3705.	5	43	48	0.000	0.000	1.000
3706.						
3707.	5	43	47	0.000	0.000	1.000
3708.						
3709.	5	43	46	0.000	0.000	1.000
3710.						
3711.	5	43	46	0.000	0.000	1.000
3712.						
3713.	5	43	45	0.000	0.000	1.000
3714.						
3715.	5	43	44	0.000	0.000	1.000
3716.						
3717.	5	43	43	0.000	0.000	1.000
3718.						
3719.	5	43	42	0.000	0.000	1.000
3720.						
3721.	5	43	41	0.000	0.000	1.000
3722.						
3723.	5	43	41	0.000	0.000	1.000
3724.						
3725.	5	43	40	0.000	0.000	1.000
3726.						
3727.	5	43	39	0.000	0.000	1.000
3728.						
3729.	5	43	38	0.000	0.000	1.000
3730.						
3731.	5	43	38	0.000	0.000	1.000
3732.						
3733.	5	43	37	0.000	0.000	1.000
3734.						
3735.	5	43	36	0.000	0.000	1.000
3736.						
3737.	5	43	35	0.000	0.000	1.000
3738.						
3739.	5	43	35	0.000	0.000	1.000
3740.						
3741.	5	43	48	0.000	0.000	1.000
3742.						
3743.	5	43	47	0.000	0.000	1.000
3744.						
3745.	5	43	46	0.000	0.000	1.000
3746.						
3747.	5	43	45	0.000	0.000	1.000
3748.						
3749.	5	43	45	0.000	0.000	1.000
3750.						
3751.	5	43	44	0.000	0.000	1.000
3752.						
3753.	5	43	43	0.000	0.000	1.000
3754.						
3755.	5	43	42	0.000	0.000	1.000
3756.						
3757.	5	43	42	0.000	0.000	1.000
3758.						
3759.	5	43	41	0.000	0.000	1.000
3760.						
3761.	5	43	40	0.000	0.000	1.000
3762.						

				BARRIER_LOWK.out		
3732	5	43	39	0.000	0.000	1.000
3732.						
3733	5	43	39	0.000	0.000	1.000
3733.						
3734	5	43	38	0.000	0.000	1.000
3734.						
3735	5	43	37	0.000	0.000	1.000
3735.						
3736	5	43	36	0.000	0.000	1.000
3736.						
3737	5	43	35	0.000	0.000	1.000
3737.						
3738	5	43	34	0.000	0.000	1.000
3738.						
3739	5	42	48	0.000	0.000	1.000
3739.						
3740	5	42	47	0.000	0.000	1.000
3740.						
3741	5	42	46	0.000	0.000	1.000
3741.						
3742	5	42	46	0.000	0.000	1.000
3742.						
3743	5	42	45	0.000	0.000	1.000
3743.						
3744	5	42	44	0.000	0.000	1.000
3744.						
3745	5	42	43	0.000	0.000	1.000
3745.						
3746	5	42	42	0.000	0.000	1.000
3746.						
3747	5	42	41	0.000	0.000	1.000
3747.						
3748	5	42	41	0.000	0.000	1.000
3748.						
3749	5	42	40	0.000	0.000	1.000
3749.						
3750	5	42	39	0.000	0.000	1.000
3750.						
3751	5	42	38	0.000	0.000	1.000
3751.						
3752	5	42	38	0.000	0.000	1.000
3752.						
3753	5	42	37	0.000	0.000	1.000
3753.						
3754	5	42	36	0.000	0.000	1.000
3754.						
3755	5	42	35	0.000	0.000	1.000
3755.						
3756	5	42	35	0.000	0.000	1.000
3756.						
3757	5	42	47	0.000	0.000	1.000
3757.						
3758	5	42	46	0.000	0.000	1.000
3758.						
3759	5	42	45	0.000	0.000	1.000
3759.						
3760	5	42	45	0.000	0.000	1.000
3760.						
3761	5	42	44	0.000	0.000	1.000
3761.						
3762	5	42	43	0.000	0.000	1.000
3762.						
3763	5	42	42	0.000	0.000	1.000

BARRIER_LOWK.out						
3763.						
3764.	5	42	42	0.000	0.000	1.000
3764.						
3765.	5	42	41	0.000	0.000	1.000
3765.						
3766.	5	42	40	0.000	0.000	1.000
3766.						
3767.	5	42	39	0.000	0.000	1.000
3767.						
3768.	5	42	39	0.000	0.000	1.000
3768.						
3769.	5	42	38	0.000	0.000	1.000
3769.						
3770.	5	42	37	0.000	0.000	1.000
3770.						
3771.	5	42	36	0.000	0.000	1.000
3771.						
3772.	5	42	35	0.000	0.000	1.000
3772.						
3773.	5	42	34	0.000	0.000	1.000
3773.						
3774.	5	42	34	0.000	0.000	1.000
3774.						
3775.	5	42	47	0.000	0.000	1.000
3775.						
3776.	5	42	46	0.000	0.000	1.000
3776.						
3777.	5	42	46	0.000	0.000	1.000
3777.						
3778.	5	42	45	0.000	0.000	1.000
3778.						
3779.	5	42	44	0.000	0.000	1.000
3779.						
3780.	5	42	43	0.000	0.000	1.000
3780.						
3781.	5	42	42	0.000	0.000	1.000
3781.						
3782.	5	42	41	0.000	0.000	1.000
3782.						
3783.	5	42	41	0.000	0.000	1.000
3783.						
3784.	5	42	40	0.000	0.000	1.000
3784.						
3785.	5	42	39	0.000	0.000	1.000
3785.						
3786.	5	42	38	0.000	0.000	1.000
3786.						
3787.	5	42	38	0.000	0.000	1.000
3787.						
3788.	5	42	37	0.000	0.000	1.000
3788.						
3789.	5	42	36	0.000	0.000	1.000
3789.						
3790.	5	42	35	0.000	0.000	1.000
3790.						
3791.	5	42	35	0.000	0.000	1.000
3791.						
3792.	5	41	47	0.000	0.000	1.000
3792.						
3793.	5	41	46	0.000	0.000	1.000
3793.						
3794.	5	41	45	0.000	0.000	1.000
3794.						

				BARRIER_LOWK.out		
3795	5	41	45	0.000	0.000	1.000
3795.						
3796	5	41	44	0.000	0.000	1.000
3796.						
3797	5	41	43	0.000	0.000	1.000
3797.						
3798	5	41	42	0.000	0.000	1.000
3798.						
3799	5	41	42	0.000	0.000	1.000
3799.						
3800	5	41	41	0.000	0.000	1.000
3800.						
3801	5	41	40	0.000	0.000	1.000
3801.						
3802	5	41	39	0.000	0.000	1.000
3802.						
3803	5	41	39	0.000	0.000	1.000
3803.						
3804	5	41	38	0.000	0.000	1.000
3804.						
3805	5	41	37	0.000	0.000	1.000
3805.						
3806	5	41	36	0.000	0.000	1.000
3806.						
3807	5	41	35	0.000	0.000	1.000
3807.						
3808	5	41	34	0.000	0.000	1.000
3808.						
3809	5	41	34	0.000	0.000	1.000
3809.						
3810	5	41	47	0.000	0.000	1.000
3810.						
3811	5	41	46	0.000	0.000	1.000
3811.						
3812	5	41	46	0.000	0.000	1.000
3812.						
3813	5	41	45	0.000	0.000	1.000
3813.						
3814	5	41	44	0.000	0.000	1.000
3814.						
3815	5	41	43	0.000	0.000	1.000
3815.						
3816	5	41	42	0.000	0.000	1.000
3816.						
3817	5	41	41	0.000	0.000	1.000
3817.						
3818	5	41	41	0.000	0.000	1.000
3818.						
3819	5	41	40	0.000	0.000	1.000
3819.						
3820	5	41	39	0.000	0.000	1.000
3820.						
3821	5	41	38	0.000	0.000	1.000
3821.						
3822	5	41	38	0.000	0.000	1.000
3822.						
3823	5	41	37	0.000	0.000	1.000
3823.						
3824	5	41	36	0.000	0.000	1.000
3824.						
3825	5	41	35	0.000	0.000	1.000
3825.						
3826	5	41	35	0.000	0.000	1.000

BARRIER_LOWK.out						
3826.						
3827.	5	41	34	0.000	0.000	1.000
3827.						
3828.	5	41	47	0.000	0.000	1.000
3828.						
3829.	5	41	46	0.000	0.000	1.000
3829.						
3830.	5	41	45	0.000	0.000	1.000
3830.						
3831.	5	41	45	0.000	0.000	1.000
3831.						
3832.	5	41	44	0.000	0.000	1.000
3832.						
3833.	5	41	43	0.000	0.000	1.000
3833.						
3834.	5	41	42	0.000	0.000	1.000
3834.						
3835.	5	41	42	0.000	0.000	1.000
3835.						
3836.	5	41	41	0.000	0.000	1.000
3836.						
3837.	5	41	40	0.000	0.000	1.000
3837.						
3838.	5	41	39	0.000	0.000	1.000
3838.						
3839.	5	41	39	0.000	0.000	1.000
3839.						
3840.	5	41	38	0.000	0.000	1.000
3840.						
3841.	5	41	37	0.000	0.000	1.000
3841.						
3842.	5	41	36	0.000	0.000	1.000
3842.						
3843.	5	41	35	0.000	0.000	1.000
3843.						
3844.	5	41	34	0.000	0.000	1.000
3844.						
3845.	5	41	34	0.000	0.000	1.000
3845.						
3846.	5	40	47	0.000	0.000	1.000
3846.						
3847.	5	40	46	0.000	0.000	1.000
3847.						
3848.	5	40	46	0.000	0.000	1.000
3848.						
3849.	5	40	45	0.000	0.000	1.000
3849.						
3850.	5	40	44	0.000	0.000	1.000
3850.						
3851.	5	40	43	0.000	0.000	1.000
3851.						
3852.	5	40	42	0.000	0.000	1.000
3852.						
3853.	5	40	41	0.000	0.000	1.000
3853.						
3854.	5	40	41	0.000	0.000	1.000
3854.						
3855.	5	40	40	0.000	0.000	1.000
3855.						
3856.	5	40	39	0.000	0.000	1.000
3856.						
3857.	5	40	38	0.000	0.000	1.000
3857.						

				BARRIER_LOWK.out		
3858	5	40	38	0.000	0.000	1.000
3858.						
3859	5	40	37	0.000	0.000	1.000
3859.						
3860	5	40	36	0.000	0.000	1.000
3860.						
3861	5	40	35	0.000	0.000	1.000
3861.						
3862	5	40	35	0.000	0.000	1.000
3862.						
3863	5	40	34	0.000	0.000	1.000
3863.						
3864	5	40	47	0.000	0.000	1.000
3864.						
3865	5	40	46	0.000	0.000	1.000
3865.						
3866	5	40	45	0.000	0.000	1.000
3866.						
3867	5	40	45	0.000	0.000	1.000
3867.						
3868	5	40	44	0.000	0.000	1.000
3868.						
3869	5	40	43	0.000	0.000	1.000
3869.						
3870	5	40	42	0.000	0.000	1.000
3870.						
3871	5	40	42	0.000	0.000	1.000
3871.						
3872	5	40	41	0.000	0.000	1.000
3872.						
3873	5	40	40	0.000	0.000	1.000
3873.						
3874	5	40	39	0.000	0.000	1.000
3874.						
3875	5	40	39	0.000	0.000	1.000
3875.						
3876	5	40	38	0.000	0.000	1.000
3876.						
3877	5	40	37	0.000	0.000	1.000
3877.						
3878	5	40	36	0.000	0.000	1.000
3878.						
3879	5	40	35	0.000	0.000	1.000
3879.						
3880	5	40	34	0.000	0.000	1.000
3880.						
3881	5	40	34	0.000	0.000	1.000
3881.						
3882	5	39	46	0.000	0.000	1.000
3882.						
3883	5	39	46	0.000	0.000	1.000
3883.						
3884	5	39	45	0.000	0.000	1.000
3884.						
3885	5	39	44	0.000	0.000	1.000
3885.						
3886	5	39	43	0.000	0.000	1.000
3886.						
3887	5	39	42	0.000	0.000	1.000
3887.						
3888	5	39	41	0.000	0.000	1.000
3888.						
3889	5	39	41	0.000	0.000	1.000

BARRIER_LOWK.out						
3889.						
3890.	5	39	40	0.000	0.000	1.000
3891.						
3891.	5	39	39	0.000	0.000	1.000
3892.						
3892.	5	39	38	0.000	0.000	1.000
3893.						
3893.	5	39	38	0.000	0.000	1.000
3894.						
3894.	5	39	37	0.000	0.000	1.000
3895.						
3895.	5	39	36	0.000	0.000	1.000
3896.						
3896.	5	39	35	0.000	0.000	1.000
3897.						
3897.	5	39	35	0.000	0.000	1.000
3898.						
3898.	5	39	34	0.000	0.000	1.000
3899.						
3899.	5	39	33	0.000	0.000	1.000
3900.						
3900.	5	39	47	0.000	0.000	1.000
3901.						
3901.	5	39	46	0.000	0.000	1.000
3902.						
3902.	5	39	45	0.000	0.000	1.000
3903.						
3903.	5	39	45	0.000	0.000	1.000
3904.						
3904.	5	39	44	0.000	0.000	1.000
3905.						
3905.	5	39	43	0.000	0.000	1.000
3906.						
3906.	5	39	42	0.000	0.000	1.000
3907.						
3907.	5	39	42	0.000	0.000	1.000
3908.						
3908.	5	39	41	0.000	0.000	1.000
3909.						
3909.	5	39	40	0.000	0.000	1.000
3910.						
3910.	5	39	39	0.000	0.000	1.000
3911.						
3911.	5	39	39	0.000	0.000	1.000
3912.						
3912.	5	39	38	0.000	0.000	1.000
3913.						
3913.	5	39	37	0.000	0.000	1.000
3914.						
3914.	5	39	36	0.000	0.000	1.000
3915.						
3915.	5	39	35	0.000	0.000	1.000
3916.						
3916.	5	39	34	0.000	0.000	1.000
3917.						
3917.	5	39	34	0.000	0.000	1.000
3918.						
3918.	5	39	46	0.000	0.000	1.000
3919.						
3919.	5	39	46	0.000	0.000	1.000
3920.						
3920.	5	39	45	0.000	0.000	1.000

				BARRIER_LOWK.out		
3921	5	39	44	0.000	0.000	1.000
3921.						
3922	5	39	43	0.000	0.000	1.000
3922.						
3923	5	39	42	0.000	0.000	1.000
3923.						
3924	5	39	41	0.000	0.000	1.000
3924.						
3925	5	39	41	0.000	0.000	1.000
3925.						
3926	5	39	40	0.000	0.000	1.000
3926.						
3927	5	39	39	0.000	0.000	1.000
3927.						
3928	5	39	38	0.000	0.000	1.000
3928.						
3929	5	39	38	0.000	0.000	1.000
3929.						
3930	5	39	37	0.000	0.000	1.000
3930.						
3931	5	39	36	0.000	0.000	1.000
3931.						
3932	5	39	35	0.000	0.000	1.000
3932.						
3933	5	39	35	0.000	0.000	1.000
3933.						
3934	5	39	34	0.000	0.000	1.000
3934.						
3935	5	39	33	0.000	0.000	1.000
3935.						
3936	5	38	46	0.000	0.000	1.000
3936.						
3937	5	38	45	0.000	0.000	1.000
3937.						
3938	5	38	45	0.000	0.000	1.000
3938.						
3939	5	38	44	0.000	0.000	1.000
3939.						
3940	5	38	43	0.000	0.000	1.000
3940.						
3941	5	38	42	0.000	0.000	1.000
3941.						
3942	5	38	42	0.000	0.000	1.000
3942.						
3943	5	38	41	0.000	0.000	1.000
3943.						
3944	5	38	40	0.000	0.000	1.000
3944.						
3945	5	38	39	0.000	0.000	1.000
3945.						
3946	5	38	39	0.000	0.000	1.000
3946.						
3947	5	38	38	0.000	0.000	1.000
3947.						
3948	5	38	37	0.000	0.000	1.000
3948.						
3949	5	38	36	0.000	0.000	1.000
3949.						
3950	5	38	35	0.000	0.000	1.000
3950.						
3951	5	38	34	0.000	0.000	1.000
3951.						
3952	5	38	34	0.000	0.000	1.000

				BARRIER_LOWK.out		
3952.						
3953.	5	38	33	0.000	0.000	1.000
3954.						
3955.	5	38	46	0.000	0.000	1.000
3956.						
3957.	5	38	46	0.000	0.000	1.000
3958.						
3959.	5	38	45	0.000	0.000	1.000
3960.						
3961.	5	38	44	0.000	0.000	1.000
3962.						
3963.	5	38	43	0.000	0.000	1.000
3964.						
3965.	5	38	42	0.000	0.000	1.000
3966.						
3967.	5	38	41	0.000	0.000	1.000
3968.						
3969.	5	38	41	0.000	0.000	1.000
3970.						
3971.	5	38	40	0.000	0.000	1.000
3972.						
3973.	5	38	39	0.000	0.000	1.000
3974.						
3975.	5	38	38	0.000	0.000	1.000
3976.						
3977.	5	38	38	0.000	0.000	1.000
3978.						
3979.	5	38	37	0.000	0.000	1.000
3980.						
3981.	5	38	36	0.000	0.000	1.000
3982.						
3983.	5	38	35	0.000	0.000	1.000
3984.						
3985.	5	38	35	0.000	0.000	1.000
3986.						
3987.	5	38	34	0.000	0.000	1.000
3988.						
3989.	5	38	33	0.000	0.000	1.000
3990.						
3991.	5	38	46	0.000	0.000	1.000
3992.						
3993.	5	38	45	0.000	0.000	1.000
3994.						
3995.	5	38	45	0.000	0.000	1.000
3996.						
3997.	5	38	44	0.000	0.000	1.000
3998.						
3999.	5	38	43	0.000	0.000	1.000
4000.						
4001.	5	38	42	0.000	0.000	1.000
4002.						
4003.	5	38	42	0.000	0.000	1.000
4004.						
4005.	5	38	41	0.000	0.000	1.000
4006.						
4007.	5	38	40	0.000	0.000	1.000
4008.						
4009.	5	38	39	0.000	0.000	1.000
4010.						
4011.	5	38	39	0.000	0.000	1.000
4012.						
4013.	5	38	38	0.000	0.000	1.000
4014.						

				BARRIER_LOWK.out		
3984	5	38	37	0.000	0.000	1.000
3984.						
3985	5	38	36	0.000	0.000	1.000
3985.						
3986	5	38	35	0.000	0.000	1.000
3986.						
3987	5	38	34	0.000	0.000	1.000
3987.						
3988	5	38	34	0.000	0.000	1.000
3988.						
3989	5	38	33	0.000	0.000	1.000
3989.						
3990	5	37	46	0.000	0.000	1.000
3990.						
3991	5	37	46	0.000	0.000	1.000
3991.						
3992	5	37	45	0.000	0.000	1.000
3992.						
3993	5	37	44	0.000	0.000	1.000
3993.						
3994	5	37	43	0.000	0.000	1.000
3994.						
3995	5	37	42	0.000	0.000	1.000
3995.						
3996	5	37	41	0.000	0.000	1.000
3996.						
3997	5	37	41	0.000	0.000	1.000
3997.						
3998	5	37	40	0.000	0.000	1.000
3998.						
3999	5	37	39	0.000	0.000	1.000
3999.						
4000	5	37	38	0.000	0.000	1.000
4000.						
4001	5	37	38	0.000	0.000	1.000
4001.						
4002	5	37	37	0.000	0.000	1.000
4002.						
4003	5	37	36	0.000	0.000	1.000
4003.						
4004	5	37	35	0.000	0.000	1.000
4004.						
4005	5	37	35	0.000	0.000	1.000
4005.						
4006	5	37	34	0.000	0.000	1.000
4006.						
4007	5	37	33	0.000	0.000	1.000
4007.						
4008	5	37	45	0.000	0.000	1.000
4008.						
4009	5	37	45	0.000	0.000	1.000
4009.						
4010	5	37	44	0.000	0.000	1.000
4010.						
4011	5	37	43	0.000	0.000	1.000
4011.						
4012	5	37	42	0.000	0.000	1.000
4012.						
4013	5	37	42	0.000	0.000	1.000
4013.						
4014	5	37	41	0.000	0.000	1.000
4014.						
4015	5	37	40	0.000	0.000	1.000

BARRIER_LOWK.out

4015.						
4016.	5	37	39	0.000	0.000	1.000
4017.						
4018.	5	37	38	0.000	0.000	1.000
4019.	5	37	37	0.000	0.000	1.000
4020.	5	37	36	0.000	0.000	1.000
4021.	5	37	35	0.000	0.000	1.000
4022.	5	37	34	0.000	0.000	1.000
4023.	5	37	34	0.000	0.000	1.000
4024.	5	37	33	0.000	0.000	1.000
4025.	5	37	32	0.000	0.000	1.000
4026.	5	36	46	0.000	0.000	1.000
4027.	5	36	45	0.000	0.000	1.000
4028.	5	36	44	0.000	0.000	1.000
4029.	5	36	43	0.000	0.000	1.000
4030.	5	36	42	0.000	0.000	1.000
4031.	5	36	41	0.000	0.000	1.000
4032.	5	36	41	0.000	0.000	1.000
4033.	5	36	40	0.000	0.000	1.000
4034.	5	36	39	0.000	0.000	1.000
4035.	5	36	38	0.000	0.000	1.000
4036.	5	36	38	0.000	0.000	1.000
4037.	5	36	37	0.000	0.000	1.000
4038.	5	36	36	0.000	0.000	1.000
4039.	5	36	35	0.000	0.000	1.000
4040.	5	36	35	0.000	0.000	1.000
4041.	5	36	34	0.000	0.000	1.000
4042.	5	36	33	0.000	0.000	1.000
4043.	5	36	45	0.000	0.000	1.000
4044.	5	36	45	0.000	0.000	1.000
4045.	5	36	44	0.000	0.000	1.000
4046.	5	36	43	0.000	0.000	1.000

				BARRIER_LOWK.out		
4047	5	36	42	0.000	0.000	1.000
4047.						
4048	5	36	42	0.000	0.000	1.000
4048.						
4049	5	36	41	0.000	0.000	1.000
4049.						
4050	5	36	40	0.000	0.000	1.000
4050.						
4051	5	36	39	0.000	0.000	1.000
4051.						
4052	5	36	39	0.000	0.000	1.000
4052.						
4053	5	36	38	0.000	0.000	1.000
4053.						
4054	5	36	37	0.000	0.000	1.000
4054.						
4055	5	36	36	0.000	0.000	1.000
4055.						
4056	5	36	35	0.000	0.000	1.000
4056.						
4057	5	36	34	0.000	0.000	1.000
4057.						
4058	5	36	34	0.000	0.000	1.000
4058.						
4059	5	36	33	0.000	0.000	1.000
4059.						
4060	5	36	32	0.000	0.000	1.000
4060.						
4061	5	36	46	0.000	0.000	1.000
4061.						
4062	5	36	45	0.000	0.000	1.000
4062.						
4063	5	36	44	0.000	0.000	1.000
4063.						
4064	5	36	43	0.000	0.000	1.000
4064.						
4065	5	36	42	0.000	0.000	1.000
4065.						
4066	5	36	41	0.000	0.000	1.000
4066.						
4067	5	36	41	0.000	0.000	1.000
4067.						
4068	5	36	40	0.000	0.000	1.000
4068.						
4069	5	36	39	0.000	0.000	1.000
4069.						
4070	5	36	38	0.000	0.000	1.000
4070.						
4071	5	36	38	0.000	0.000	1.000
4071.						
4072	5	36	37	0.000	0.000	1.000
4072.						
4073	5	36	36	0.000	0.000	1.000
4073.						
4074	5	36	35	0.000	0.000	1.000
4074.						
4075	5	36	35	0.000	0.000	1.000
4075.						
4076	5	36	34	0.000	0.000	1.000
4076.						
4077	5	36	33	0.000	0.000	1.000
4077.						
4078	5	36	32	0.000	0.000	1.000

				BARRIER_LOWK.out		
4078.						
4079.	5	35	45	0.000	0.000	1.000
4080.						
4081.	5	35	44	0.000	0.000	1.000
4082.						
4083.	5	35	42	0.000	0.000	1.000
4084.						
4085.	5	35	41	0.000	0.000	1.000
4086.						
4087.	5	35	39	0.000	0.000	1.000
4088.						
4089.	5	35	38	0.000	0.000	1.000
4090.						
4091.	5	35	37	0.000	0.000	1.000
4092.						
4093.	5	35	36	0.000	0.000	1.000
4094.						
4095.	5	35	35	0.000	0.000	1.000
4096.						
4097.	5	35	34	0.000	0.000	1.000
4098.						
4099.	5	35	34	0.000	0.000	1.000
4100.						
4101.	5	35	33	0.000	0.000	1.000
4102.						
4103.	5	35	32	0.000	0.000	1.000
4104.						
4105.	5	35	46	0.000	0.000	1.000
4106.						
4107.	5	35	45	0.000	0.000	1.000
4108.						
4109.	5	35	44	0.000	0.000	1.000
4110.						
4111.	5	35	43	0.000	0.000	1.000
4112.						
4113.	5	35	42	0.000	0.000	1.000
4114.						
4115.	5	35	41	0.000	0.000	1.000
4116.						
4117.	5	35	41	0.000	0.000	1.000
4118.						
4119.	5	35	40	0.000	0.000	1.000
4120.						
4121.	5	35	39	0.000	0.000	1.000
4122.						
4123.	5	35	38	0.000	0.000	1.000
4124.						
4125.	5	35	38	0.000	0.000	1.000
4126.						
4127.	5	35	37	0.000	0.000	1.000
4128.						
4129.	5	35	36	0.000	0.000	1.000
4130.						

				BARRIER_LOWK.out		
4110	5	35	35	0.000	0.000	1.000
4110.						
4111	5	35	35	0.000	0.000	1.000
4111.						
4112	5	35	34	0.000	0.000	1.000
4112.						
4113	5	35	33	0.000	0.000	1.000
4113.						
4114	5	35	32	0.000	0.000	1.000
4114.						
4115	5	35	45	0.000	0.000	1.000
4115.						
4116	5	35	45	0.000	0.000	1.000
4116.						
4117	5	35	44	0.000	0.000	1.000
4117.						
4118	5	35	43	0.000	0.000	1.000
4118.						
4119	5	35	42	0.000	0.000	1.000
4119.						
4120	5	35	42	0.000	0.000	1.000
4120.						
4121	5	35	41	0.000	0.000	1.000
4121.						
4122	5	35	40	0.000	0.000	1.000
4122.						
4123	5	35	39	0.000	0.000	1.000
4123.						
4124	5	35	39	0.000	0.000	1.000
4124.						
4125	5	35	38	0.000	0.000	1.000
4125.						
4126	5	35	37	0.000	0.000	1.000
4126.						
4127	5	35	36	0.000	0.000	1.000
4127.						
4128	5	35	35	0.000	0.000	1.000
4128.						
4129	5	35	34	0.000	0.000	1.000
4129.						
4130	5	35	34	0.000	0.000	1.000
4130.						
4131	5	35	33	0.000	0.000	1.000
4131.						
4132	5	35	32	0.000	0.000	1.000
4132.						
4133	5	34	45	0.000	0.000	1.000
4133.						
4134	5	34	44	0.000	0.000	1.000
4134.						
4135	5	34	43	0.000	0.000	1.000
4135.						
4136	5	34	42	0.000	0.000	1.000
4136.						
4137	5	34	41	0.000	0.000	1.000
4137.						
4138	5	34	41	0.000	0.000	1.000
4138.						
4139	5	34	40	0.000	0.000	1.000
4139.						
4140	5	34	39	0.000	0.000	1.000
4140.						
4141	5	34	38	0.000	0.000	1.000

BARRIER_LOWK.out

4141.						
4142.	5	34	38	0.000	0.000	1.000
4143.						
4143.	5	34	37	0.000	0.000	1.000
4144.						
4144.	5	34	36	0.000	0.000	1.000
4145.						
4145.	5	34	35	0.000	0.000	1.000
4146.						
4146.	5	34	35	0.000	0.000	1.000
4147.						
4147.	5	34	34	0.000	0.000	1.000
4148.						
4148.	5	34	33	0.000	0.000	1.000
4149.						
4149.	5	34	32	0.000	0.000	1.000
4150.						
4150.	5	34	45	0.000	0.000	1.000
4151.						
4151.	5	34	44	0.000	0.000	1.000
4152.						
4152.	5	34	43	0.000	0.000	1.000
4153.						
4153.	5	34	42	0.000	0.000	1.000
4154.						
4154.	5	34	42	0.000	0.000	1.000
4155.						
4155.	5	34	41	0.000	0.000	1.000
4156.						
4156.	5	34	40	0.000	0.000	1.000
4157.						
4157.	5	34	39	0.000	0.000	1.000
4158.						
4158.	5	34	39	0.000	0.000	1.000
4159.						
4159.	5	34	38	0.000	0.000	1.000
4160.						
4160.	5	34	37	0.000	0.000	1.000
4161.						
4161.	5	34	36	0.000	0.000	1.000
4162.						
4162.	5	34	35	0.000	0.000	1.000
4163.						
4163.	5	34	34	0.000	0.000	1.000
4164.						
4164.	5	34	34	0.000	0.000	1.000
4165.						
4165.	5	34	33	0.000	0.000	1.000
4166.						
4166.	5	34	32	0.000	0.000	1.000
4167.						
4167.	5	33	45	0.000	0.000	1.000
4168.						
4168.	5	33	44	0.000	0.000	1.000
4169.						
4169.	5	33	43	0.000	0.000	1.000
4170.						
4170.	5	33	42	0.000	0.000	1.000
4171.						
4171.	5	33	41	0.000	0.000	1.000
4172.						
4172.	5	33	41	0.000	0.000	1.000

				BARRIER_LOWK.out		
4173	5	33	40	0.000	0.000	1.000
4173.						
4174	5	33	39	0.000	0.000	1.000
4174.						
4175	5	33	38	0.000	0.000	1.000
4175.						
4176	5	33	38	0.000	0.000	1.000
4176.						
4177	5	33	37	0.000	0.000	1.000
4177.						
4178	5	33	36	0.000	0.000	1.000
4178.						
4179	5	33	35	0.000	0.000	1.000
4179.						
4180	5	33	35	0.000	0.000	1.000
4180.						
4181	5	33	34	0.000	0.000	1.000
4181.						
4182	5	33	33	0.000	0.000	1.000
4182.						
4183	5	33	32	0.000	0.000	1.000
4183.						
4184	5	33	32	0.000	0.000	1.000
4184.						
4185	5	33	45	0.000	0.000	1.000
4185.						
4186	5	33	44	0.000	0.000	1.000
4186.						
4187	5	33	43	0.000	0.000	1.000
4187.						
4188	5	33	42	0.000	0.000	1.000
4188.						
4189	5	33	42	0.000	0.000	1.000
4189.						
4190	5	33	41	0.000	0.000	1.000
4190.						
4191	5	33	40	0.000	0.000	1.000
4191.						
4192	5	33	39	0.000	0.000	1.000
4192.						
4193	5	33	39	0.000	0.000	1.000
4193.						
4194	5	33	38	0.000	0.000	1.000
4194.						
4195	5	33	37	0.000	0.000	1.000
4195.						
4196	5	33	36	0.000	0.000	1.000
4196.						
4197	5	33	35	0.000	0.000	1.000
4197.						
4198	5	33	34	0.000	0.000	1.000
4198.						
4199	5	33	34	0.000	0.000	1.000
4199.						
4200	5	33	33	0.000	0.000	1.000
4200.						
4201	5	33	32	0.000	0.000	1.000
4201.						
4202	5	33	45	0.000	0.000	1.000
4202.						
4203	5	33	44	0.000	0.000	1.000
4203.						
4204	5	33	43	0.000	0.000	1.000

				BARRIER_LOWK.out		
4204.						
4205.	5	33	42	0.000	0.000	1.000
4206.						
4207.	5	33	41	0.000	0.000	1.000
4208.						
4209.	5	33	40	0.000	0.000	1.000
4210.						
4211.	5	33	39	0.000	0.000	1.000
4212.						
4213.	5	33	38	0.000	0.000	1.000
4214.						
4215.	5	33	38	0.000	0.000	1.000
4216.						
4217.	5	33	37	0.000	0.000	1.000
4218.						
4219.	5	33	36	0.000	0.000	1.000
4220.						
4221.	5	33	35	0.000	0.000	1.000
4222.						
4223.	5	33	35	0.000	0.000	1.000
4224.						
4225.	5	33	34	0.000	0.000	1.000
4226.						
4227.	5	33	34	0.000	0.000	1.000
4228.						
4229.	5	33	33	0.000	0.000	1.000
4230.						
4231.	5	33	32	0.000	0.000	1.000
4232.						
4233.	5	33	32	0.000	0.000	1.000
4234.						
4235.	5	32	45	0.000	0.000	1.000
4236.						
4237.	5	32	44	0.000	0.000	1.000
4238.						
4239.	5	32	43	0.000	0.000	1.000
4240.						
4241.	5	32	42	0.000	0.000	1.000
4242.						
4243.	5	32	42	0.000	0.000	1.000
4244.						
4245.	5	32	41	0.000	0.000	1.000
4246.						
4247.	5	32	40	0.000	0.000	1.000
4248.						
4249.	5	32	39	0.000	0.000	1.000
4250.						
4251.	5	32	39	0.000	0.000	1.000
4252.						
4253.	5	32	38	0.000	0.000	1.000
4254.						
4255.	5	32	37	0.000	0.000	1.000
4256.						
4257.	5	32	36	0.000	0.000	1.000
4258.						
4259.	5	32	35	0.000	0.000	1.000
4260.						
4261.	5	32	34	0.000	0.000	1.000
4262.						
4263.	5	32	34	0.000	0.000	1.000
4264.						
4265.	5	32	33	0.000	0.000	1.000
4266.						

				BARRIER_LOWK.out		
4236	5	32	32	0.000	0.000	1.000
4236.						
4237	5	32	31	0.000	0.000	1.000
4237.						
4238	5	32	45	0.000	0.000	1.000
4238.						
4239	5	32	44	0.000	0.000	1.000
4239.						
4240	5	32	43	0.000	0.000	1.000
4240.						
4241	5	32	42	0.000	0.000	1.000
4241.						
4242	5	32	41	0.000	0.000	1.000
4242.						
4243	5	32	41	0.000	0.000	1.000
4243.						
4244	5	32	40	0.000	0.000	1.000
4244.						
4245	5	32	39	0.000	0.000	1.000
4245.						
4246	5	32	38	0.000	0.000	1.000
4246.						
4247	5	32	38	0.000	0.000	1.000
4247.						
4248	5	32	37	0.000	0.000	1.000
4248.						
4249	5	32	36	0.000	0.000	1.000
4249.						
4250	5	32	35	0.000	0.000	1.000
4250.						
4251	5	32	35	0.000	0.000	1.000
4251.						
4252	5	32	34	0.000	0.000	1.000
4252.						
4253	5	32	33	0.000	0.000	1.000
4253.						
4254	5	32	32	0.000	0.000	1.000
4254.						
4255	5	32	32	0.000	0.000	1.000
4255.						
4256	5	32	45	0.000	0.000	1.000
4256.						
4257	5	32	44	0.000	0.000	1.000
4257.						
4258	5	32	43	0.000	0.000	1.000
4258.						
4259	5	32	42	0.000	0.000	1.000
4259.						
4260	5	32	42	0.000	0.000	1.000
4260.						
4261	5	32	41	0.000	0.000	1.000
4261.						
4262	5	32	40	0.000	0.000	1.000
4262.						
4263	5	32	39	0.000	0.000	1.000
4263.						
4264	5	32	39	0.000	0.000	1.000
4264.						
4265	5	32	38	0.000	0.000	1.000
4265.						
4266	5	32	37	0.000	0.000	1.000
4266.						
4267	5	32	36	0.000	0.000	1.000

BARRIER_LOWK.out

4267.						
4268.	5	32	35	0.000	0.000	1.000
4269.						
4269.	5	32	34	0.000	0.000	1.000
4270.						
4270.	5	32	34	0.000	0.000	1.000
4271.						
4271.	5	32	33	0.000	0.000	1.000
4272.						
4272.	5	32	32	0.000	0.000	1.000
4273.						
4273.	5	32	31	0.000	0.000	1.000
4274.						
4274.	5	31	45	0.000	0.000	1.000
4275.						
4275.	5	31	44	0.000	0.000	1.000
4276.						
4276.	5	31	43	0.000	0.000	1.000
4277.						
4277.	5	31	42	0.000	0.000	1.000
4278.						
4278.	5	31	41	0.000	0.000	1.000
4279.						
4279.	5	31	41	0.000	0.000	1.000
4280.						
4280.	5	31	40	0.000	0.000	1.000
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4281.	5	31	39	0.000	0.000	1.000
4282.						
4282.	5	31	38	0.000	0.000	1.000
4283.						
4283.	5	31	38	0.000	0.000	1.000
4284.						
4284.	5	31	37	0.000	0.000	1.000
4285.						
4285.	5	31	36	0.000	0.000	1.000
4286.						
4286.	5	31	35	0.000	0.000	1.000
4287.						
4287.	5	31	35	0.000	0.000	1.000
4288.						
4288.	5	31	34	0.000	0.000	1.000
4289.						
4289.	5	31	33	0.000	0.000	1.000
4290.						
4290.	5	31	32	0.000	0.000	1.000
4291.						
4291.	5	31	32	0.000	0.000	1.000
4292.						
4292.	5	31	45	0.000	0.000	1.000
4293.						
4293.	5	31	44	0.000	0.000	1.000
4294.						
4294.	5	31	43	0.000	0.000	1.000
4295.						
4295.	5	31	42	0.000	0.000	1.000
4296.						
4296.	5	31	42	0.000	0.000	1.000
4297.						
4297.	5	31	41	0.000	0.000	1.000
4298.						
4298.	5	31	40	0.000	0.000	1.000

				BARRIER_LOWK.out		
4299	5	31	39	0.000	0.000	1.000
4299.						
4300	5	31	39	0.000	0.000	1.000
4300.						
4301	5	31	38	0.000	0.000	1.000
4301.						
4302	5	31	37	0.000	0.000	1.000
4302.						
4303	5	31	36	0.000	0.000	1.000
4303.						
4304	5	31	35	0.000	0.000	1.000
4304.						
4305	5	31	34	0.000	0.000	1.000
4305.						
4306	5	31	34	0.000	0.000	1.000
4306.						
4307	5	31	33	0.000	0.000	1.000
4307.						
4308	5	31	32	0.000	0.000	1.000
4308.						
4309	5	31	31	0.000	0.000	1.000
4309.						
4310	5	31	31	0.000	0.000	1.000
4310.						
4311	5	30	45	0.000	0.000	1.000
4311.						
4312	5	30	44	0.000	0.000	1.000
4312.						
4313	5	30	43	0.000	0.000	1.000
4313.						
4314	5	30	42	0.000	0.000	1.000
4314.						
4315	5	30	41	0.000	0.000	1.000
4315.						
4316	5	30	41	0.000	0.000	1.000
4316.						
4317	5	30	40	0.000	0.000	1.000
4317.						
4318	5	30	39	0.000	0.000	1.000
4318.						
4319	5	30	38	0.000	0.000	1.000
4319.						
4320	5	30	38	0.000	0.000	1.000
4320.						
4321	5	30	37	0.000	0.000	1.000
4321.						
4322	5	30	36	0.000	0.000	1.000
4322.						
4323	5	30	35	0.000	0.000	1.000
4323.						
4324	5	30	35	0.000	0.000	1.000
4324.						
4325	5	30	34	0.000	0.000	1.000
4325.						
4326	5	30	33	0.000	0.000	1.000
4326.						
4327	5	30	32	0.000	0.000	1.000
4327.						
4328	5	30	32	0.000	0.000	1.000
4328.						
4329	5	30	45	0.000	0.000	1.000
4329.						
4330	5	30	44	0.000	0.000	1.000

				BARRIER_LOWK.out		
4330.						
4331.	5	30	43	0.000	0.000	1.000
4332.						
4333.	5	30	42	0.000	0.000	1.000
4334.						
4335.	5	30	42	0.000	0.000	1.000
4336.						
4337.	5	30	41	0.000	0.000	1.000
4338.						
4339.	5	30	40	0.000	0.000	1.000
4340.						
4341.	5	30	39	0.000	0.000	1.000
4342.						
4343.	5	30	39	0.000	0.000	1.000
4344.						
4345.	5	30	38	0.000	0.000	1.000
4346.						
4347.	5	30	37	0.000	0.000	1.000
4348.						
4349.	5	30	36	0.000	0.000	1.000
4350.						
4351.	5	30	35	0.000	0.000	1.000
4352.						
4353.	5	30	34	0.000	0.000	1.000
4354.						
4355.	5	30	34	0.000	0.000	1.000
4356.						
4357.	5	30	33	0.000	0.000	1.000
4358.						
4359.	5	30	32	0.000	0.000	1.000
4360.						
4361.	5	30	31	0.000	0.000	1.000
4362.						
4363.	5	30	31	0.000	0.000	1.000
4364.						
4365.	5	30	45	0.000	0.000	1.000
4366.						
4367.	5	30	44	0.000	0.000	1.000
4368.						
4369.	5	30	43	0.000	0.000	1.000
4370.						
4371.	5	30	42	0.000	0.000	1.000
4372.						
4373.	5	30	41	0.000	0.000	1.000
4374.						
4375.	5	30	41	0.000	0.000	1.000
4376.						
4377.	5	30	40	0.000	0.000	1.000
4378.						
4379.	5	30	39	0.000	0.000	1.000
4380.						
4381.	5	30	38	0.000	0.000	1.000
4382.						
4383.	5	30	38	0.000	0.000	1.000
4384.						
4385.	5	30	37	0.000	0.000	1.000
4386.						
4387.	5	30	36	0.000	0.000	1.000
4388.						
4389.	5	30	35	0.000	0.000	1.000
4390.						
4391.	5	30	35	0.000	0.000	1.000
4392.						

				BARRIER_LOWK.out		
4362	5	30	34	0.000	0.000	1.000
4362.						
4363	5	30	33	0.000	0.000	1.000
4363.						
4364	5	30	32	0.000	0.000	1.000
4364.						
4365	5	30	32	0.000	0.000	1.000
4365.						
4366	5	30	31	0.000	0.000	1.000
4366.						
4367	5	29	45	0.000	0.000	1.000
4367.						
4368	5	29	44	0.000	0.000	1.000
4368.						
4369	5	29	43	0.000	0.000	1.000
4369.						
4370	5	29	42	0.000	0.000	1.000
4370.						
4371	5	29	42	0.000	0.000	1.000
4371.						
4372	5	29	41	0.000	0.000	1.000
4372.						
4373	5	29	40	0.000	0.000	1.000
4373.						
4374	5	29	39	0.000	0.000	1.000
4374.						
4375	5	29	39	0.000	0.000	1.000
4375.						
4376	5	29	38	0.000	0.000	1.000
4376.						
4377	5	29	37	0.000	0.000	1.000
4377.						
4378	5	29	36	0.000	0.000	1.000
4378.						
4379	5	29	35	0.000	0.000	1.000
4379.						
4380	5	29	34	0.000	0.000	1.000
4380.						
4381	5	29	34	0.000	0.000	1.000
4381.						
4382	5	29	33	0.000	0.000	1.000
4382.						
4383	5	29	32	0.000	0.000	1.000
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4384	5	29	31	0.000	0.000	1.000
4384.						
4385	5	29	31	0.000	0.000	1.000
4385.						
4386	5	29	45	0.000	0.000	1.000
4386.						
4387	5	29	44	0.000	0.000	1.000
4387.						
4388	5	29	43	0.000	0.000	1.000
4388.						
4389	5	29	42	0.000	0.000	1.000
4389.						
4390	5	29	41	0.000	0.000	1.000
4390.						
4391	5	29	41	0.000	0.000	1.000
4391.						
4392	5	29	40	0.000	0.000	1.000
4392.						
4393	5	29	39	0.000	0.000	1.000

BARRIER_LOWK.out

4393.						
4394.	5	29	38	0.000	0.000	1.000
4394.						
4395.	5	29	38	0.000	0.000	1.000
4395.						
4396.	5	29	37	0.000	0.000	1.000
4396.						
4397.	5	29	36	0.000	0.000	1.000
4397.						
4398.	5	29	35	0.000	0.000	1.000
4398.						
4399.	5	29	35	0.000	0.000	1.000
4399.						
4400.	5	29	34	0.000	0.000	1.000
4400.						
4401.	5	29	33	0.000	0.000	1.000
4401.						
4402.	5	29	32	0.000	0.000	1.000
4402.						
4403.	5	29	32	0.000	0.000	1.000
4403.						
4404.	5	29	31	0.000	0.000	1.000
4404.						
4405.	5	29	45	0.000	0.000	1.000
4405.						
4406.	5	29	44	0.000	0.000	1.000
4406.						
4407.	5	29	43	0.000	0.000	1.000
4407.						
4408.	5	29	42	0.000	0.000	1.000
4408.						
4409.	5	29	42	0.000	0.000	1.000
4409.						
4410.	5	29	41	0.000	0.000	1.000
4410.						
4411.	5	29	40	0.000	0.000	1.000
4411.						
4412.	5	29	39	0.000	0.000	1.000
4412.						
4413.	5	29	39	0.000	0.000	1.000
4413.						
4414.	5	29	38	0.000	0.000	1.000
4414.						
4415.	5	29	37	0.000	0.000	1.000
4415.						
4416.	5	29	36	0.000	0.000	1.000
4416.						
4417.	5	29	35	0.000	0.000	1.000
4417.						
4418.	5	29	34	0.000	0.000	1.000
4418.						
4419.	5	29	34	0.000	0.000	1.000
4419.						
4420.	5	29	33	0.000	0.000	1.000
4420.						
4421.	5	29	32	0.000	0.000	1.000
4421.						
4422.	5	29	31	0.000	0.000	1.000
4422.						
4423.	5	29	31	0.000	0.000	1.000
4423.						
4424.	5	28	45	0.000	0.000	1.000
4424.						

				BARRIER_LOWK.out		
4425	5	28	44	0.000	0.000	1.000
4425.						
4426	5	28	43	0.000	0.000	1.000
4426.						
4427	5	28	42	0.000	0.000	1.000
4427.						
4428	5	28	41	0.000	0.000	1.000
4428.						
4429	5	28	41	0.000	0.000	1.000
4429.						
4430	5	28	40	0.000	0.000	1.000
4430.						
4431	5	28	39	0.000	0.000	1.000
4431.						
4432	5	28	38	0.000	0.000	1.000
4432.						
4433	5	28	38	0.000	0.000	1.000
4433.						
4434	5	28	37	0.000	0.000	1.000
4434.						
4435	5	28	36	0.000	0.000	1.000
4435.						
4436	5	28	35	0.000	0.000	1.000
4436.						
4437	5	28	35	0.000	0.000	1.000
4437.						
4438	5	28	34	0.000	0.000	1.000
4438.						
4439	5	28	33	0.000	0.000	1.000
4439.						
4440	5	28	32	0.000	0.000	1.000
4440.						
4441	5	28	32	0.000	0.000	1.000
4441.						
4442	5	28	31	0.000	0.000	1.000
4442.						
4443	5	28	44	0.000	0.000	1.000
4443.						
4444	5	28	43	0.000	0.000	1.000
4444.						
4445	5	28	42	0.000	0.000	1.000
4445.						
4446	5	28	42	0.000	0.000	1.000
4446.						
4447	5	28	41	0.000	0.000	1.000
4447.						
4448	5	28	40	0.000	0.000	1.000
4448.						
4449	5	28	39	0.000	0.000	1.000
4449.						
4450	5	28	39	0.000	0.000	1.000
4450.						
4451	5	28	38	0.000	0.000	1.000
4451.						
4452	5	28	37	0.000	0.000	1.000
4452.						
4453	5	28	36	0.000	0.000	1.000
4453.						
4454	5	28	35	0.000	0.000	1.000
4454.						
4455	5	28	34	0.000	0.000	1.000
4455.						
4456	5	28	34	0.000	0.000	1.000

BARRIER_LOWK.out

4456.						
4457.	5	28	33	0.000	0.000	1.000
4457.						
4458.	5	28	32	0.000	0.000	1.000
4458.						
4459.	5	28	31	0.000	0.000	1.000
4459.						
4460.	5	28	31	0.000	0.000	1.000
4460.						
4461.	5	27	45	0.000	0.000	1.000
4461.						
4462.	5	27	44	0.000	0.000	1.000
4462.						
4463.	5	27	43	0.000	0.000	1.000
4463.						
4464.	5	27	42	0.000	0.000	1.000
4464.						
4465.	5	27	41	0.000	0.000	1.000
4465.						
4466.	5	27	41	0.000	0.000	1.000
4466.						
4467.	5	27	40	0.000	0.000	1.000
4467.						
4468.	5	27	39	0.000	0.000	1.000
4468.						
4469.	5	27	38	0.000	0.000	1.000
4469.						
4470.	5	27	38	0.000	0.000	1.000
4470.						
4471.	5	27	37	0.000	0.000	1.000
4471.						
4472.	5	27	36	0.000	0.000	1.000
4472.						
4473.	5	27	35	0.000	0.000	1.000
4473.						
4474.	5	27	35	0.000	0.000	1.000
4474.						
4475.	5	27	34	0.000	0.000	1.000
4475.						
4476.	5	27	33	0.000	0.000	1.000
4476.						
4477.	5	27	32	0.000	0.000	1.000
4477.						
4478.	5	27	32	0.000	0.000	1.000
4478.						
4479.	5	27	31	0.000	0.000	1.000
4479.						
4480.	5	27	30	0.000	0.000	1.000
4480.						
4481.	5	27	44	0.000	0.000	1.000
4481.						
4482.	5	27	43	0.000	0.000	1.000
4482.						
4483.	5	27	42	0.000	0.000	1.000
4483.						
4484.	5	27	42	0.000	0.000	1.000
4484.						
4485.	5	27	41	0.000	0.000	1.000
4485.						
4486.	5	27	40	0.000	0.000	1.000
4486.						
4487.	5	27	39	0.000	0.000	1.000
4487.						

				BARRIER_LOWK.out		
4488	5	27	39	0.000	0.000	1.000
4488.						
4489	5	27	38	0.000	0.000	1.000
4489.						
4490	5	27	37	0.000	0.000	1.000
4490.						
4491	5	27	36	0.000	0.000	1.000
4491.						
4492	5	27	35	0.000	0.000	1.000
4492.						
4493	5	27	34	0.000	0.000	1.000
4493.						
4494	5	27	34	0.000	0.000	1.000
4494.						
4495	5	27	33	0.000	0.000	1.000
4495.						
4496	5	27	32	0.000	0.000	1.000
4496.						
4497	5	27	31	0.000	0.000	1.000
4497.						
4498	5	27	31	0.000	0.000	1.000
4498.						
4499	5	27	44	0.000	0.000	1.000
4499.						
4500	5	27	43	0.000	0.000	1.000
4500.						
4501	5	27	42	0.000	0.000	1.000
4501.						
4502	5	27	41	0.000	0.000	1.000
4502.						
4503	5	27	41	0.000	0.000	1.000
4503.						
4504	5	27	40	0.000	0.000	1.000
4504.						
4505	5	27	39	0.000	0.000	1.000
4505.						
4506	5	27	38	0.000	0.000	1.000
4506.						
4507	5	27	38	0.000	0.000	1.000
4507.						
4508	5	27	37	0.000	0.000	1.000
4508.						
4509	5	27	36	0.000	0.000	1.000
4509.						
4510	5	27	35	0.000	0.000	1.000
4510.						
4511	5	27	35	0.000	0.000	1.000
4511.						
4512	5	27	34	0.000	0.000	1.000
4512.						
4513	5	27	33	0.000	0.000	1.000
4513.						
4514	5	27	32	0.000	0.000	1.000
4514.						
4515	5	27	32	0.000	0.000	1.000
4515.						
4516	5	27	31	0.000	0.000	1.000
4516.						
4517	5	27	30	0.000	0.000	1.000
4517.						
4518	5	26	44	0.000	0.000	1.000
4518.						
4519	5	26	43	0.000	0.000	1.000

				BARRIER_LOWK.out		
4519.						
4520.	5	26	42	0.000	0.000	1.000
4521.						
4521.	5	26	42	0.000	0.000	1.000
4522.						
4522.	5	26	41	0.000	0.000	1.000
4523.						
4523.	5	26	40	0.000	0.000	1.000
4524.						
4524.	5	26	39	0.000	0.000	1.000
4525.						
4525.	5	26	39	0.000	0.000	1.000
4526.						
4526.	5	26	38	0.000	0.000	1.000
4527.						
4527.	5	26	37	0.000	0.000	1.000
4528.						
4528.	5	26	36	0.000	0.000	1.000
4529.						
4529.	5	26	35	0.000	0.000	1.000
4530.						
4530.	5	26	34	0.000	0.000	1.000
4531.						
4531.	5	26	34	0.000	0.000	1.000
4532.						
4532.	5	26	33	0.000	0.000	1.000
4533.						
4533.	5	26	32	0.000	0.000	1.000
4534.						
4534.	5	26	31	0.000	0.000	1.000
4535.						
4535.	5	26	31	0.000	0.000	1.000
4536.						
4536.	5	26	30	0.000	0.000	1.000
4537.						
4537.	5	26	43	0.000	0.000	1.000
4538.						
4538.	5	26	42	0.000	0.000	1.000
4539.						
4539.	5	26	41	0.000	0.000	1.000
4540.						
4540.	5	26	41	0.000	0.000	1.000
4541.						
4541.	5	26	40	0.000	0.000	1.000
4542.						
4542.	5	26	39	0.000	0.000	1.000
4543.						
4543.	5	26	38	0.000	0.000	1.000
4544.						
4544.	5	26	38	0.000	0.000	1.000
4545.						
4545.	5	26	37	0.000	0.000	1.000
4546.						
4546.	5	26	36	0.000	0.000	1.000
4547.						
4547.	5	26	35	0.000	0.000	1.000
4548.						
4548.	5	26	35	0.000	0.000	1.000
4549.						
4549.	5	26	34	0.000	0.000	1.000
4550.						
4550.	5	26	33	0.000	0.000	1.000

				BARRIER_LOWK.out		
4551	5	26	32	0.000	0.000	1.000
4551.						
4552	5	26	32	0.000	0.000	1.000
4552.						
4553	5	26	31	0.000	0.000	1.000
4553.						
4554	5	26	30	0.000	0.000	1.000
4554.						
4555	5	26	44	0.000	0.000	1.000
4555.						
4556	5	26	43	0.000	0.000	1.000
4556.						
4557	5	26	42	0.000	0.000	1.000
4557.						
4558	5	26	42	0.000	0.000	1.000
4558.						
4559	5	26	41	0.000	0.000	1.000
4559.						
4560	5	26	40	0.000	0.000	1.000
4560.						
4561	5	26	39	0.000	0.000	1.000
4561.						
4562	5	26	39	0.000	0.000	1.000
4562.						
4563	5	26	38	0.000	0.000	1.000
4563.						
4564	5	26	37	0.000	0.000	1.000
4564.						
4565	5	26	36	0.000	0.000	1.000
4565.						
4566	5	26	35	0.000	0.000	1.000
4566.						
4567	5	26	34	0.000	0.000	1.000
4567.						
4568	5	26	34	0.000	0.000	1.000
4568.						
4569	5	26	33	0.000	0.000	1.000
4569.						
4570	5	26	32	0.000	0.000	1.000
4570.						
4571	5	26	31	0.000	0.000	1.000
4571.						
4572	5	26	31	0.000	0.000	1.000
4572.						
4573	5	26	30	0.000	0.000	1.000
4573.						
4574	5	25	43	0.000	0.000	1.000
4574.						
4575	5	25	42	0.000	0.000	1.000
4575.						
4576	5	25	41	0.000	0.000	1.000
4576.						
4577	5	25	41	0.000	0.000	1.000
4577.						
4578	5	25	40	0.000	0.000	1.000
4578.						
4579	5	25	39	0.000	0.000	1.000
4579.						
4580	5	25	38	0.000	0.000	1.000
4580.						
4581	5	25	38	0.000	0.000	1.000
4581.						
4582	5	25	37	0.000	0.000	1.000

BARRIER_LOWK.out						
4582.						
4583.	5	25	36	0.000	0.000	1.000
4584.						
4584.	5	25	35	0.000	0.000	1.000
4585.						
4585.	5	25	35	0.000	0.000	1.000
4586.						
4586.	5	25	34	0.000	0.000	1.000
4587.						
4587.	5	25	33	0.000	0.000	1.000
4588.						
4588.	5	25	32	0.000	0.000	1.000
4589.						
4589.	5	25	32	0.000	0.000	1.000
4590.						
4590.	5	25	31	0.000	0.000	1.000
4591.						
4591.	5	25	30	0.000	0.000	1.000
4592.						
4592.	5	25	43	0.000	0.000	1.000
4593.						
4593.	5	25	42	0.000	0.000	1.000
4594.						
4594.	5	25	42	0.000	0.000	1.000
4595.						
4595.	5	25	41	0.000	0.000	1.000
4596.						
4596.	5	25	40	0.000	0.000	1.000
4597.						
4597.	5	25	39	0.000	0.000	1.000
4598.						
4598.	5	25	39	0.000	0.000	1.000
4599.						
4599.	5	25	38	0.000	0.000	1.000
4600.						
4600.	5	25	37	0.000	0.000	1.000
4601.						
4601.	5	25	36	0.000	0.000	1.000
4602.						
4602.	5	25	35	0.000	0.000	1.000
4603.						
4603.	5	25	34	0.000	0.000	1.000
4604.						
4604.	5	25	34	0.000	0.000	1.000
4605.						
4605.	5	25	33	0.000	0.000	1.000
4606.						
4606.	5	25	32	0.000	0.000	1.000
4607.						
4607.	5	25	31	0.000	0.000	1.000
4608.						
4608.	5	25	31	0.000	0.000	1.000
4609.						
4609.	5	25	30	0.000	0.000	1.000
4610.						
4610.	5	24	43	0.000	0.000	1.000
4611.						
4611.	5	24	42	0.000	0.000	1.000
4612.						
4612.	5	24	41	0.000	0.000	1.000
4613.						
4613.	5	24	41	0.000	0.000	1.000

				BARRIER_LOWK.out		
4614	5	24	40	0.000	0.000	1.000
4614.						
4615	5	24	39	0.000	0.000	1.000
4615.						
4616	5	24	38	0.000	0.000	1.000
4616.						
4617	5	24	38	0.000	0.000	1.000
4617.						
4618	5	24	37	0.000	0.000	1.000
4618.						
4619	5	24	36	0.000	0.000	1.000
4619.						
4620	5	24	35	0.000	0.000	1.000
4620.						
4621	5	24	35	0.000	0.000	1.000
4621.						
4622	5	24	34	0.000	0.000	1.000
4622.						
4623	5	24	33	0.000	0.000	1.000
4623.						
4624	5	24	32	0.000	0.000	1.000
4624.						
4625	5	24	32	0.000	0.000	1.000
4625.						
4626	5	24	31	0.000	0.000	1.000
4626.						
4627	5	24	30	0.000	0.000	1.000
4627.						
4628	5	24	42	0.000	0.000	1.000
4628.						
4629	5	24	42	0.000	0.000	1.000
4629.						
4630	5	24	41	0.000	0.000	1.000
4630.						
4631	5	24	40	0.000	0.000	1.000
4631.						
4632	5	24	39	0.000	0.000	1.000
4632.						
4633	5	24	39	0.000	0.000	1.000
4633.						
4634	5	24	38	0.000	0.000	1.000
4634.						
4635	5	24	37	0.000	0.000	1.000
4635.						
4636	5	24	36	0.000	0.000	1.000
4636.						
4637	5	24	35	0.000	0.000	1.000
4637.						
4638	5	24	34	0.000	0.000	1.000
4638.						
4639	5	24	34	0.000	0.000	1.000
4639.						
4640	5	24	33	0.000	0.000	1.000
4640.						
4641	5	24	32	0.000	0.000	1.000
4641.						
4642	5	24	31	0.000	0.000	1.000
4642.						
4643	5	24	31	0.000	0.000	1.000
4643.						
4644	5	24	30	0.000	0.000	1.000
4644.						
4645	5	24	29	0.000	0.000	1.000

BARRIER_LOWK.out

4645.						
4646	5	24	42	0.000	0.000	1.000
4646.						
4647	5	24	41	0.000	0.000	1.000
4647.						
4648	5	24	41	0.000	0.000	1.000
4648.						
4649	5	24	40	0.000	0.000	1.000
4649.						
4650	5	24	39	0.000	0.000	1.000
4650.						
4651	5	24	38	0.000	0.000	1.000
4651.						
4652	5	24	38	0.000	0.000	1.000
4652.						
4653	5	24	37	0.000	0.000	1.000
4653.						
4654	5	24	36	0.000	0.000	1.000
4654.						
4655	5	24	35	0.000	0.000	1.000
4655.						
4656	5	24	35	0.000	0.000	1.000
4656.						
4657	5	24	34	0.000	0.000	1.000
4657.						
4658	5	24	33	0.000	0.000	1.000
4658.						
4659	5	24	32	0.000	0.000	1.000
4659.						
4660	5	24	32	0.000	0.000	1.000
4660.						
4661	5	24	31	0.000	0.000	1.000
4661.						
4662	5	24	30	0.000	0.000	1.000
4662.						
4663	5	23	42	0.000	0.000	1.000
4663.						
4664	5	23	42	0.000	0.000	1.000
4664.						
4665	5	23	41	0.000	0.000	1.000
4665.						
4666	5	23	40	0.000	0.000	1.000
4666.						
4667	5	23	39	0.000	0.000	1.000
4667.						
4668	5	23	39	0.000	0.000	1.000
4668.						
4669	5	23	38	0.000	0.000	1.000
4669.						
4670	5	23	37	0.000	0.000	1.000
4670.						
4671	5	23	36	0.000	0.000	1.000
4671.						
4672	5	23	35	0.000	0.000	1.000
4672.						
4673	5	23	34	0.000	0.000	1.000
4673.						
4674	5	23	34	0.000	0.000	1.000
4674.						
4675	5	23	33	0.000	0.000	1.000
4675.						
4676	5	23	32	0.000	0.000	1.000
4676.						

				BARRIER_LOWK.out		
4677	5	23	31	0.000	0.000	1.000
4677.						
4678	5	23	31	0.000	0.000	1.000
4678.						
4679	5	23	30	0.000	0.000	1.000
4679.						
4680	5	23	29	0.000	0.000	1.000
4680.						
4681	5	23	42	0.000	0.000	1.000
4681.						
4682	5	23	41	0.000	0.000	1.000
4682.						
4683	5	23	41	0.000	0.000	1.000
4683.						
4684	5	23	40	0.000	0.000	1.000
4684.						
4685	5	23	39	0.000	0.000	1.000
4685.						
4686	5	23	38	0.000	0.000	1.000
4686.						
4687	5	23	38	0.000	0.000	1.000
4687.						
4688	5	23	37	0.000	0.000	1.000
4688.						
4689	5	23	36	0.000	0.000	1.000
4689.						
4690	5	23	35	0.000	0.000	1.000
4690.						
4691	5	23	35	0.000	0.000	1.000
4691.						
4692	5	23	34	0.000	0.000	1.000
4692.						
4693	5	23	33	0.000	0.000	1.000
4693.						
4694	5	23	32	0.000	0.000	1.000
4694.						
4695	5	23	32	0.000	0.000	1.000
4695.						
4696	5	23	31	0.000	0.000	1.000
4696.						
4697	5	23	30	0.000	0.000	1.000
4697.						
4698	5	23	29	0.000	0.000	1.000
4698.						
4699	5	23	42	0.000	0.000	1.000
4699.						
4700	5	23	42	0.000	0.000	1.000
4700.						
4701	5	23	41	0.000	0.000	1.000
4701.						
4702	5	23	40	0.000	0.000	1.000
4702.						
4703	5	23	39	0.000	0.000	1.000
4703.						
4704	5	23	39	0.000	0.000	1.000
4704.						
4705	5	23	38	0.000	0.000	1.000
4705.						
4706	5	23	37	0.000	0.000	1.000
4706.						
4707	5	23	36	0.000	0.000	1.000
4707.						
4708	5	23	35	0.000	0.000	1.000

				BARRIER_LOWK.out		
4708.						
4709.	5	23	34	0.000	0.000	1.000
4710.						
4710.	5	23	34	0.000	0.000	1.000
4711.						
4711.	5	23	33	0.000	0.000	1.000
4712.						
4712.	5	23	32	0.000	0.000	1.000
4713.						
4713.	5	23	31	0.000	0.000	1.000
4714.						
4714.	5	23	31	0.000	0.000	1.000
4715.						
4715.	5	23	30	0.000	0.000	1.000
4716.						
4716.	5	23	29	0.000	0.000	1.000
4717.						
4717.	5	22	41	0.000	0.000	1.000
4718.						
4718.	5	22	41	0.000	0.000	1.000
4719.						
4719.	5	22	40	0.000	0.000	1.000
4720.						
4720.	5	22	39	0.000	0.000	1.000
4721.						
4721.	5	22	38	0.000	0.000	1.000
4722.						
4722.	5	22	38	0.000	0.000	1.000
4723.						
4723.	5	22	37	0.000	0.000	1.000
4724.						
4724.	5	22	36	0.000	0.000	1.000
4725.						
4725.	5	22	35	0.000	0.000	1.000
4726.						
4726.	5	22	35	0.000	0.000	1.000
4727.						
4727.	5	22	34	0.000	0.000	1.000
4728.						
4728.	5	22	33	0.000	0.000	1.000
4729.						
4729.	5	22	32	0.000	0.000	1.000
4730.						
4730.	5	22	32	0.000	0.000	1.000
4731.						
4731.	5	22	31	0.000	0.000	1.000
4732.						
4732.	5	22	30	0.000	0.000	1.000
4733.						
4733.	5	22	29	0.000	0.000	1.000
4734.						
4734.	5	22	42	0.000	0.000	1.000
4735.						
4735.	5	22	41	0.000	0.000	1.000
4736.						
4736.	5	22	40	0.000	0.000	1.000
4737.						
4737.	5	22	39	0.000	0.000	1.000
4738.						
4738.	5	22	39	0.000	0.000	1.000
4739.						
4739.	5	22	38	0.000	0.000	1.000

				BARRIER_LOWK.out		
4740	5	22	37	0.000	0.000	1.000
4740.						
4741	5	22	36	0.000	0.000	1.000
4741.						
4742	5	22	35	0.000	0.000	1.000
4742.						
4743	5	22	34	0.000	0.000	1.000
4743.						
4744	5	22	34	0.000	0.000	1.000
4744.						
4745	5	22	33	0.000	0.000	1.000
4745.						
4746	5	22	32	0.000	0.000	1.000
4746.						
4747	5	22	31	0.000	0.000	1.000
4747.						
4748	5	22	31	0.000	0.000	1.000
4748.						
4749	5	22	30	0.000	0.000	1.000
4749.						
4750	5	22	29	0.000	0.000	1.000
4750.						
4751	5	21	41	0.000	0.000	1.000
4751.						
4752	5	21	41	0.000	0.000	1.000
4752.						
4753	5	21	40	0.000	0.000	1.000
4753.						
4754	5	21	39	0.000	0.000	1.000
4754.						
4755	5	21	38	0.000	0.000	1.000
4755.						
4756	5	21	38	0.000	0.000	1.000
4756.						
4757	5	21	37	0.000	0.000	1.000
4757.						
4758	5	21	36	0.000	0.000	1.000
4758.						
4759	5	21	35	0.000	0.000	1.000
4759.						
4760	5	21	35	0.000	0.000	1.000
4760.						
4761	5	21	34	0.000	0.000	1.000
4761.						
4762	5	21	33	0.000	0.000	1.000
4762.						
4763	5	21	32	0.000	0.000	1.000
4763.						
4764	5	21	32	0.000	0.000	1.000
4764.						
4765	5	21	31	0.000	0.000	1.000
4765.						
4766	5	21	30	0.000	0.000	1.000
4766.						
4767	5	21	29	0.000	0.000	1.000
4767.						
4768	5	21	41	0.000	0.000	1.000
4768.						
4769	5	21	40	0.000	0.000	1.000
4769.						
4770	5	21	39	0.000	0.000	1.000
4770.						
4771	5	21	39	0.000	0.000	1.000

				BARRIER_LOWK.out		
4771.						
4772.	5	21	38	0.000	0.000	1.000
4773.						
4774.	5	21	37	0.000	0.000	1.000
4775.						
4776.	5	21	36	0.000	0.000	1.000
4777.						
4778.	5	21	35	0.000	0.000	1.000
4779.						
4780.	5	21	34	0.000	0.000	1.000
4781.						
4782.	5	21	34	0.000	0.000	1.000
4783.						
4784.	5	21	33	0.000	0.000	1.000
4785.						
4786.	5	21	32	0.000	0.000	1.000
4787.						
4788.	5	21	31	0.000	0.000	1.000
4789.						
4790.	5	21	31	0.000	0.000	1.000
4791.						
4792.	5	21	31	0.000	0.000	1.000
4793.						
4794.	5	21	30	0.000	0.000	1.000
4795.						
4796.	5	21	29	0.000	0.000	1.000
4797.						
4798.	5	21	41	0.000	0.000	1.000
4799.						
4800.	5	21	40	0.000	0.000	1.000
4801.						
4802.	5	21	39	0.000	0.000	1.000
4803.						
4804.	5	21	39	0.000	0.000	1.000
4805.						
4806.	5	21	38	0.000	0.000	1.000
4807.						
4808.	5	21	38	0.000	0.000	1.000
4809.						
4810.	5	21	37	0.000	0.000	1.000
4811.						
4812.	5	21	36	0.000	0.000	1.000
4813.						
4814.	5	21	35	0.000	0.000	1.000
4815.						
4816.	5	21	35	0.000	0.000	1.000
4817.						
4818.	5	21	34	0.000	0.000	1.000
4819.						
4820.	5	21	33	0.000	0.000	1.000
4821.						
4822.	5	21	32	0.000	0.000	1.000
4823.						
4824.	5	21	32	0.000	0.000	1.000
4825.						
4826.	5	21	31	0.000	0.000	1.000
4827.						
4828.	5	21	30	0.000	0.000	1.000
4829.						
4830.	5	21	29	0.000	0.000	1.000
4831.						
4832.	5	21	29	0.000	0.000	1.000
4833.						
4834.	5	20	41	0.000	0.000	1.000
4835.						
4836.	5	20	40	0.000	0.000	1.000
4837.						

				BARRIER_LOWK.out		
4803	5	20	39	0.000	0.000	1.000
4803.						
4804	5	20	39	0.000	0.000	1.000
4804.						
4805	5	20	38	0.000	0.000	1.000
4805.						
4806	5	20	37	0.000	0.000	1.000
4806.						
4807	5	20	36	0.000	0.000	1.000
4807.						
4808	5	20	35	0.000	0.000	1.000
4808.						
4809	5	20	34	0.000	0.000	1.000
4809.						
4810	5	20	34	0.000	0.000	1.000
4810.						
4811	5	20	33	0.000	0.000	1.000
4811.						
4812	5	20	32	0.000	0.000	1.000
4812.						
4813	5	20	31	0.000	0.000	1.000
4813.						
4814	5	20	31	0.000	0.000	1.000
4814.						
4815	5	20	30	0.000	0.000	1.000
4815.						
4816	5	20	29	0.000	0.000	1.000
4816.						
4817	5	20	28	0.000	0.000	1.000
4817.						
4818	5	20	41	0.000	0.000	1.000
4818.						
4819	5	20	40	0.000	0.000	1.000
4819.						
4820	5	20	39	0.000	0.000	1.000
4820.						
4821	5	20	38	0.000	0.000	1.000
4821.						
4822	5	20	38	0.000	0.000	1.000
4822.						
4823	5	20	37	0.000	0.000	1.000
4823.						
4824	5	20	36	0.000	0.000	1.000
4824.						
4825	5	20	35	0.000	0.000	1.000
4825.						
4826	5	20	35	0.000	0.000	1.000
4826.						
4827	5	20	34	0.000	0.000	1.000
4827.						
4828	5	20	33	0.000	0.000	1.000
4828.						
4829	5	20	32	0.000	0.000	1.000
4829.						
4830	5	20	32	0.000	0.000	1.000
4830.						
4831	5	20	31	0.000	0.000	1.000
4831.						
4832	5	20	30	0.000	0.000	1.000
4832.						
4833	5	20	29	0.000	0.000	1.000
4833.						
4834	5	20	29	0.000	0.000	1.000

BARRIER_LOWK.out						
4834.						
4835.	5	20	41	0.000	0.000	1.000
4836.						
4837.	5	20	40	0.000	0.000	1.000
4838.						
4839.	5	20	39	0.000	0.000	1.000
4840.						
4841.	5	20	39	0.000	0.000	1.000
4842.						
4843.	5	20	38	0.000	0.000	1.000
4844.						
4845.	5	20	37	0.000	0.000	1.000
4846.						
4847.	5	20	36	0.000	0.000	1.000
4848.						
4849.	5	20	35	0.000	0.000	1.000
4850.						
4851.	5	20	34	0.000	0.000	1.000
4852.						
4853.	5	20	34	0.000	0.000	1.000
4854.						
4855.	5	20	33	0.000	0.000	1.000
4856.						
4857.	5	20	32	0.000	0.000	1.000
4858.						
4859.	5	20	31	0.000	0.000	1.000
4860.						
4861.	5	20	31	0.000	0.000	1.000
4862.						
4863.	5	20	30	0.000	0.000	1.000
4864.						
4865.	5	20	29	0.000	0.000	1.000
4866.						
4867.	5	20	28	0.000	0.000	1.000
4868.						
4869.	5	19	40	0.000	0.000	1.000
4870.						
4871.	5	19	39	0.000	0.000	1.000
4872.						
4873.	5	19	38	0.000	0.000	1.000
4874.						
4875.	5	19	38	0.000	0.000	1.000
4876.						
4877.	5	19	37	0.000	0.000	1.000
4878.						
4879.	5	19	36	0.000	0.000	1.000
4880.						
4881.	5	19	35	0.000	0.000	1.000
4882.						
4883.	5	19	35	0.000	0.000	1.000
4884.						
4885.	5	19	34	0.000	0.000	1.000
4886.						
4887.	5	19	33	0.000	0.000	1.000
4888.						
4889.	5	19	32	0.000	0.000	1.000
4890.						
4891.	5	19	32	0.000	0.000	1.000
4892.						
4893.	5	19	31	0.000	0.000	1.000
4894.						
4895.	5	19	30	0.000	0.000	1.000
4896.						

				BARRIER_LOWK.out		
4866	5	19	29	0.000	0.000	1.000
4866.						
4867	5	19	29	0.000	0.000	1.000
4867.						
4868	5	19	40	0.000	0.000	1.000
4868.						
4869	5	19	39	0.000	0.000	1.000
4869.						
4870	5	19	39	0.000	0.000	1.000
4870.						
4871	5	19	38	0.000	0.000	1.000
4871.						
4872	5	19	37	0.000	0.000	1.000
4872.						
4873	5	19	36	0.000	0.000	1.000
4873.						
4874	5	19	35	0.000	0.000	1.000
4874.						
4875	5	19	34	0.000	0.000	1.000
4875.						
4876	5	19	34	0.000	0.000	1.000
4876.						
4877	5	19	33	0.000	0.000	1.000
4877.						
4878	5	19	32	0.000	0.000	1.000
4878.						
4879	5	19	31	0.000	0.000	1.000
4879.						
4880	5	19	31	0.000	0.000	1.000
4880.						
4881	5	19	30	0.000	0.000	1.000
4881.						
4882	5	19	29	0.000	0.000	1.000
4882.						
4883	5	19	28	0.000	0.000	1.000
4883.						
4884	5	18	40	0.000	0.000	1.000
4884.						
4885	5	18	39	0.000	0.000	1.000
4885.						
4886	5	18	38	0.000	0.000	1.000
4886.						
4887	5	18	38	0.000	0.000	1.000
4887.						
4888	5	18	37	0.000	0.000	1.000
4888.						
4889	5	18	36	0.000	0.000	1.000
4889.						
4890	5	18	35	0.000	0.000	1.000
4890.						
4891	5	18	35	0.000	0.000	1.000
4891.						
4892	5	18	34	0.000	0.000	1.000
4892.						
4893	5	18	33	0.000	0.000	1.000
4893.						
4894	5	18	32	0.000	0.000	1.000
4894.						
4895	5	18	32	0.000	0.000	1.000
4895.						
4896	5	18	31	0.000	0.000	1.000
4896.						
4897	5	18	30	0.000	0.000	1.000

				BARRIER_LOWK.out		
4897.						
4898	5	18	29	0.000	0.000	1.000
4898.						
4899	5	18	29	0.000	0.000	1.000
4899.						
4900	5	18	39	0.000	0.000	1.000
4900.						
4901	5	18	39	0.000	0.000	1.000
4901.						
4902	5	18	38	0.000	0.000	1.000
4902.						
4903	5	18	37	0.000	0.000	1.000
4903.						
4904	5	18	36	0.000	0.000	1.000
4904.						
4905	5	18	35	0.000	0.000	1.000
4905.						
4906	5	18	34	0.000	0.000	1.000
4906.						
4907	5	18	34	0.000	0.000	1.000
4907.						
4908	5	18	33	0.000	0.000	1.000
4908.						
4909	5	18	32	0.000	0.000	1.000
4909.						
4910	5	18	31	0.000	0.000	1.000
4910.						
4911	5	18	31	0.000	0.000	1.000
4911.						
4912	5	18	30	0.000	0.000	1.000
4912.						
4913	5	18	29	0.000	0.000	1.000
4913.						
4914	5	18	28	0.000	0.000	1.000
4914.						
4915	5	18	28	0.000	0.000	1.000
4915.						
4916	5	18	39	0.000	0.000	1.000
4916.						
4917	5	18	38	0.000	0.000	1.000
4917.						
4918	5	18	38	0.000	0.000	1.000
4918.						
4919	5	18	37	0.000	0.000	1.000
4919.						
4920	5	18	36	0.000	0.000	1.000
4920.						
4921	5	18	35	0.000	0.000	1.000
4921.						
4922	5	18	35	0.000	0.000	1.000
4922.						
4923	5	18	34	0.000	0.000	1.000
4923.						
4924	5	18	33	0.000	0.000	1.000
4924.						
4925	5	18	32	0.000	0.000	1.000
4925.						
4926	5	18	32	0.000	0.000	1.000
4926.						
4927	5	18	31	0.000	0.000	1.000
4927.						
4928	5	18	30	0.000	0.000	1.000
4928.						

				BARRIER_LOWK.out		
4929	5	18	29	0.000	0.000	1.000
4929.						
4930	5	18	29	0.000	0.000	1.000
4930.						
4931	5	18	28	0.000	0.000	1.000
4931.						
4932	5	17	39	0.000	0.000	1.000
4932.						
4933	5	17	39	0.000	0.000	1.000
4933.						
4934	5	17	38	0.000	0.000	1.000
4934.						
4935	5	17	37	0.000	0.000	1.000
4935.						
4936	5	17	36	0.000	0.000	1.000
4936.						
4937	5	17	35	0.000	0.000	1.000
4937.						
4938	5	17	34	0.000	0.000	1.000
4938.						
4939	5	17	34	0.000	0.000	1.000
4939.						
4940	5	17	33	0.000	0.000	1.000
4940.						
4941	5	17	32	0.000	0.000	1.000
4941.						
4942	5	17	31	0.000	0.000	1.000
4942.						
4943	5	17	31	0.000	0.000	1.000
4943.						
4944	5	17	30	0.000	0.000	1.000
4944.						
4945	5	17	29	0.000	0.000	1.000
4945.						
4946	5	17	28	0.000	0.000	1.000
4946.						
4947	5	17	28	0.000	0.000	1.000
4947.						
4948	5	17	38	0.000	0.000	1.000
4948.						
4949	5	17	38	0.000	0.000	1.000
4949.						
4950	5	17	37	0.000	0.000	1.000
4950.						
4951	5	17	36	0.000	0.000	1.000
4951.						
4952	5	17	35	0.000	0.000	1.000
4952.						
4953	5	17	35	0.000	0.000	1.000
4953.						
4954	5	17	34	0.000	0.000	1.000
4954.						
4955	5	17	33	0.000	0.000	1.000
4955.						
4956	5	17	32	0.000	0.000	1.000
4956.						
4957	5	17	32	0.000	0.000	1.000
4957.						
4958	5	17	31	0.000	0.000	1.000
4958.						
4959	5	17	30	0.000	0.000	1.000
4959.						
4960	5	17	29	0.000	0.000	1.000

BARRIER_LOWK.out						
4960.						
4961.	5	17	29	0.000	0.000	1.000
4961.						
4962.	5	17	28	0.000	0.000	1.000
4962.						
4963.	5	17	39	0.000	0.000	1.000
4963.						
4964.	5	17	38	0.000	0.000	1.000
4964.						
4965.	5	17	37	0.000	0.000	1.000
4965.						
4966.	5	17	36	0.000	0.000	1.000
4966.						
4967.	5	17	35	0.000	0.000	1.000
4967.						
4968.	5	17	34	0.000	0.000	1.000
4968.						
4969.	5	17	34	0.000	0.000	1.000
4969.						
4970.	5	17	33	0.000	0.000	1.000
4970.						
4971.	5	17	32	0.000	0.000	1.000
4971.						
4972.	5	17	31	0.000	0.000	1.000
4972.						
4973.	5	17	31	0.000	0.000	1.000
4973.						
4974.	5	17	30	0.000	0.000	1.000
4974.						
4975.	5	17	29	0.000	0.000	1.000
4975.						
4976.	5	17	28	0.000	0.000	1.000
4976.						
4977.	5	17	28	0.000	0.000	1.000
4977.						
4978.	5	16	38	0.000	0.000	1.000
4978.						
4979.	5	16	38	0.000	0.000	1.000
4979.						
4980.	5	16	37	0.000	0.000	1.000
4980.						
4981.	5	16	36	0.000	0.000	1.000
4981.						
4982.	5	16	35	0.000	0.000	1.000
4982.						
4983.	5	16	35	0.000	0.000	1.000
4983.						
4984.	5	16	34	0.000	0.000	1.000
4984.						
4985.	5	16	33	0.000	0.000	1.000
4985.						
4986.	5	16	32	0.000	0.000	1.000
4986.						
4987.	5	16	32	0.000	0.000	1.000
4987.						
4988.	5	16	31	0.000	0.000	1.000
4988.						
4989.	5	16	30	0.000	0.000	1.000
4989.						
4990.	5	16	29	0.000	0.000	1.000
4990.						
4991.	5	16	29	0.000	0.000	1.000
4991.						

				BARRIER_LOWK.out		
4992	5	16	28	0.000	0.000	1.000
4992.						
4993	5	16	27	0.000	0.000	1.000
4993.						
4994	5	16	38	0.000	0.000	1.000
4994.						
4995	5	16	37	0.000	0.000	1.000
4995.						
4996	5	16	36	0.000	0.000	1.000
4996.						
4997	5	16	35	0.000	0.000	1.000
4997.						
4998	5	16	34	0.000	0.000	1.000
4998.						
4999	5	16	34	0.000	0.000	1.000
4999.						
5000	5	16	33	0.000	0.000	1.000
5000.						
5001	5	16	32	0.000	0.000	1.000
5001.						
5002	5	16	31	0.000	0.000	1.000
5002.						
5003	5	16	31	0.000	0.000	1.000
5003.						
5004	5	16	30	0.000	0.000	1.000
5004.						
5005	5	16	29	0.000	0.000	1.000
5005.						
5006	5	16	28	0.000	0.000	1.000
5006.						
5007	5	16	28	0.000	0.000	1.000
5007.						
5008	5	15	38	0.000	0.000	1.000
5008.						
5009	5	15	38	0.000	0.000	1.000
5009.						
5010	5	15	37	0.000	0.000	1.000
5010.						
5011	5	15	36	0.000	0.000	1.000
5011.						
5012	5	15	35	0.000	0.000	1.000
5012.						
5013	5	15	35	0.000	0.000	1.000
5013.						
5014	5	15	34	0.000	0.000	1.000
5014.						
5015	5	15	33	0.000	0.000	1.000
5015.						
5016	5	15	32	0.000	0.000	1.000
5016.						
5017	5	15	32	0.000	0.000	1.000
5017.						
5018	5	15	31	0.000	0.000	1.000
5018.						
5019	5	15	30	0.000	0.000	1.000
5019.						
5020	5	15	29	0.000	0.000	1.000
5020.						
5021	5	15	29	0.000	0.000	1.000
5021.						
5022	5	15	28	0.000	0.000	1.000
5022.						
5023	5	15	27	0.000	0.000	1.000

BARRIER_LOWK.out						
5023.						
5024.	5	15	38	0.000	0.000	1.000
5024.						
5025.	5	15	37	0.000	0.000	1.000
5025.						
5026.	5	15	36	0.000	0.000	1.000
5026.						
5027.	5	15	35	0.000	0.000	1.000
5027.						
5028.	5	15	34	0.000	0.000	1.000
5028.						
5029.	5	15	34	0.000	0.000	1.000
5029.						
5030.	5	15	33	0.000	0.000	1.000
5030.						
5031.	5	15	32	0.000	0.000	1.000
5031.						
5032.	5	15	31	0.000	0.000	1.000
5032.						
5033.	5	15	31	0.000	0.000	1.000
5033.						
5034.	5	15	30	0.000	0.000	1.000
5034.						
5035.	5	15	29	0.000	0.000	1.000
5035.						
5036.	5	15	28	0.000	0.000	1.000
5036.						
5037.	5	15	28	0.000	0.000	1.000
5037.						
5038.	5	15	27	0.000	0.000	1.000
5038.						
5039.	5	15	38	0.000	0.000	1.000
5039.						
5040.	5	15	37	0.000	0.000	1.000
5040.						
5041.	5	15	36	0.000	0.000	1.000
5041.						
5042.	5	15	35	0.000	0.000	1.000
5042.						
5043.	5	15	35	0.000	0.000	1.000
5043.						
5044.	5	15	34	0.000	0.000	1.000
5044.						
5045.	5	15	33	0.000	0.000	1.000
5045.						
5046.	5	15	32	0.000	0.000	1.000
5046.						
5047.	5	15	32	0.000	0.000	1.000
5047.						
5048.	5	15	31	0.000	0.000	1.000
5048.						
5049.	5	15	30	0.000	0.000	1.000
5049.						
5050.	5	15	29	0.000	0.000	1.000
5050.						
5051.	5	15	29	0.000	0.000	1.000
5051.						
5052.	5	15	28	0.000	0.000	1.000
5052.						
5053.	5	15	27	0.000	0.000	1.000
5053.						
5054.	5	14	38	0.000	0.000	1.000
5054.						

				BARRIER_LOWK.out		
5055	5	14	37	0.000	0.000	1.000
5055.						
5056	5	14	36	0.000	0.000	1.000
5056.						
5057	5	14	35	0.000	0.000	1.000
5057.						
5058	5	14	34	0.000	0.000	1.000
5058.						
5059	5	14	34	0.000	0.000	1.000
5059.						
5060	5	14	33	0.000	0.000	1.000
5060.						
5061	5	14	32	0.000	0.000	1.000
5061.						
5062	5	14	31	0.000	0.000	1.000
5062.						
5063	5	14	31	0.000	0.000	1.000
5063.						
5064	5	14	30	0.000	0.000	1.000
5064.						
5065	5	14	29	0.000	0.000	1.000
5065.						
5066	5	14	28	0.000	0.000	1.000
5066.						
5067	5	14	28	0.000	0.000	1.000
5067.						
5068	5	14	27	0.000	0.000	1.000
5068.						
5069	5	14	26	0.000	0.000	1.000
5069.						
5070	5	14	37	0.000	0.000	1.000
5070.						
5071	5	14	36	0.000	0.000	1.000
5071.						
5072	5	14	35	0.000	0.000	1.000
5072.						
5073	5	14	35	0.000	0.000	1.000
5073.						
5074	5	14	34	0.000	0.000	1.000
5074.						
5075	5	14	33	0.000	0.000	1.000
5075.						
5076	5	14	32	0.000	0.000	1.000
5076.						
5077	5	14	32	0.000	0.000	1.000
5077.						
5078	5	14	31	0.000	0.000	1.000
5078.						
5079	5	14	30	0.000	0.000	1.000
5079.						
5080	5	14	29	0.000	0.000	1.000
5080.						
5081	5	14	29	0.000	0.000	1.000
5081.						
5082	5	14	28	0.000	0.000	1.000
5082.						
5083	5	14	27	0.000	0.000	1.000
5083.						
5084	5	14	37	0.000	0.000	1.000
5084.						
5085	5	14	36	0.000	0.000	1.000
5085.						
5086	5	14	35	0.000	0.000	1.000

BARRIER_LOWK.out						
5086.						
5087.	5	14	34	0.000	0.000	1.000
5087.						
5088.	5	14	34	0.000	0.000	1.000
5088.						
5089.	5	14	33	0.000	0.000	1.000
5089.						
5090.	5	14	32	0.000	0.000	1.000
5090.						
5091.	5	14	31	0.000	0.000	1.000
5091.						
5092.	5	14	31	0.000	0.000	1.000
5092.						
5093.	5	14	30	0.000	0.000	1.000
5093.						
5094.	5	14	29	0.000	0.000	1.000
5094.						
5095.	5	14	28	0.000	0.000	1.000
5095.						
5096.	5	14	28	0.000	0.000	1.000
5096.						
5097.	5	14	27	0.000	0.000	1.000
5097.						
5098.	5	14	26	0.000	0.000	1.000
5098.						
5099.	5	13	37	0.000	0.000	1.000
5099.						
5100.	5	13	36	0.000	0.000	1.000
5100.						
5101.	5	13	35	0.000	0.000	1.000
5101.						
5102.	5	13	35	0.000	0.000	1.000
5102.						
5103.	5	13	34	0.000	0.000	1.000
5103.						
5104.	5	13	33	0.000	0.000	1.000
5104.						
5105.	5	13	32	0.000	0.000	1.000
5105.						
5106.	5	13	32	0.000	0.000	1.000
5106.						
5107.	5	13	31	0.000	0.000	1.000
5107.						
5108.	5	13	30	0.000	0.000	1.000
5108.						
5109.	5	13	29	0.000	0.000	1.000
5109.						
5110.	5	13	29	0.000	0.000	1.000
5110.						
5111.	5	13	28	0.000	0.000	1.000
5111.						
5112.	5	13	27	0.000	0.000	1.000
5112.						
5113.	5	13	26	0.000	0.000	1.000
5113.						
5114.	5	13	36	0.000	0.000	1.000
5114.						
5115.	5	13	35	0.000	0.000	1.000
5115.						
5116.	5	13	34	0.000	0.000	1.000
5116.						
5117.	5	13	34	0.000	0.000	1.000
5117.						

				BARRIER_LOWK.out		
5118	5	13	33	0.000	0.000	1.000
5118.						
5119	5	13	32	0.000	0.000	1.000
5119.						
5120	5	13	31	0.000	0.000	1.000
5120.						
5121	5	13	31	0.000	0.000	1.000
5121.						
5122	5	13	30	0.000	0.000	1.000
5122.						
5123	5	13	29	0.000	0.000	1.000
5123.						
5124	5	13	28	0.000	0.000	1.000
5124.						
5125	5	13	28	0.000	0.000	1.000
5125.						
5126	5	13	27	0.000	0.000	1.000
5126.						
5127	5	13	26	0.000	0.000	1.000
5127.						
5128	5	12	36	0.000	0.000	1.000
5128.						
5129	5	12	35	0.000	0.000	1.000
5129.						
5130	5	12	35	0.000	0.000	1.000
5130.						
5131	5	12	34	0.000	0.000	1.000
5131.						
5132	5	12	33	0.000	0.000	1.000
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5133	5	12	32	0.000	0.000	1.000
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5134	5	12	32	0.000	0.000	1.000
5134.						
5135	5	12	31	0.000	0.000	1.000
5135.						
5136	5	12	30	0.000	0.000	1.000
5136.						
5137	5	12	29	0.000	0.000	1.000
5137.						
5138	5	12	29	0.000	0.000	1.000
5138.						
5139	5	12	28	0.000	0.000	1.000
5139.						
5140	5	12	27	0.000	0.000	1.000
5140.						
5141	5	12	26	0.000	0.000	1.000
5141.						
5142	5	12	25	0.000	0.000	1.000
5142.						
5143	5	12	36	0.000	0.000	1.000
5143.						
5144	5	12	35	0.000	0.000	1.000
5144.						
5145	5	12	34	0.000	0.000	1.000
5145.						
5146	5	12	34	0.000	0.000	1.000
5146.						
5147	5	12	33	0.000	0.000	1.000
5147.						
5148	5	12	32	0.000	0.000	1.000
5148.						
5149	5	12	31	0.000	0.000	1.000

				BARRIER_LOWK.out		
5149.						
5150.	5	12	31	0.000	0.000	1.000
5151.	5	12	30	0.000	0.000	1.000
5152.	5	12	29	0.000	0.000	1.000
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5154.	5	12	28	0.000	0.000	1.000
5155.	5	12	27	0.000	0.000	1.000
5156.	5	12	26	0.000	0.000	1.000
5157.	5	12	25	0.000	0.000	1.000
5158.	5	12	35	0.000	0.000	1.000
5159.	5	12	35	0.000	0.000	1.000
5160.	5	12	34	0.000	0.000	1.000
5161.	5	12	33	0.000	0.000	1.000
5162.	5	12	32	0.000	0.000	1.000
5163.	5	12	32	0.000	0.000	1.000
5164.	5	12	31	0.000	0.000	1.000
5165.	5	12	30	0.000	0.000	1.000
5166.	5	12	29	0.000	0.000	1.000
5167.	5	12	29	0.000	0.000	1.000
5168.	5	12	28	0.000	0.000	1.000
5169.	5	12	27	0.000	0.000	1.000
5170.	5	12	26	0.000	0.000	1.000
5171.	5	12	25	0.000	0.000	1.000
5172.	5	11	35	0.000	0.000	1.000
5173.	5	11	34	0.000	0.000	1.000
5174.	5	11	34	0.000	0.000	1.000
5175.	5	11	33	0.000	0.000	1.000
5176.	5	11	32	0.000	0.000	1.000
5177.	5	11	31	0.000	0.000	1.000
5178.	5	11	31	0.000	0.000	1.000
5179.	5	11	30	0.000	0.000	1.000
5180.	5	11	29	0.000	0.000	1.000

				BARRIER_LOWK.out		
5181	5	11	28	0.000	0.000	1.000
5181.						
5182	5	11	28	0.000	0.000	1.000
5182.						
5183	5	11	27	0.000	0.000	1.000
5183.						
5184	5	11	26	0.000	0.000	1.000
5184.						
5185	5	11	25	0.000	0.000	1.000
5185.						
5186	5	11	35	0.000	0.000	1.000
5186.						
5187	5	11	35	0.000	0.000	1.000
5187.						
5188	5	11	34	0.000	0.000	1.000
5188.						
5189	5	11	33	0.000	0.000	1.000
5189.						
5190	5	11	32	0.000	0.000	1.000
5190.						
5191	5	11	32	0.000	0.000	1.000
5191.						
5192	5	11	31	0.000	0.000	1.000
5192.						
5193	5	11	30	0.000	0.000	1.000
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5194	5	11	29	0.000	0.000	1.000
5194.						
5195	5	11	29	0.000	0.000	1.000
5195.						
5196	5	11	28	0.000	0.000	1.000
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5197	5	11	27	0.000	0.000	1.000
5197.						
5198	5	11	26	0.000	0.000	1.000
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5199	5	11	25	0.000	0.000	1.000
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5200	5	11	34	0.000	0.000	1.000
5200.						
5201	5	11	34	0.000	0.000	1.000
5201.						
5202	5	11	33	0.000	0.000	1.000
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5203	5	11	32	0.000	0.000	1.000
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5204	5	11	31	0.000	0.000	1.000
5204.						
5205	5	11	31	0.000	0.000	1.000
5205.						
5206	5	11	30	0.000	0.000	1.000
5206.						
5207	5	11	29	0.000	0.000	1.000
5207.						
5208	5	11	28	0.000	0.000	1.000
5208.						
5209	5	11	28	0.000	0.000	1.000
5209.						
5210	5	11	27	0.000	0.000	1.000
5210.						
5211	5	11	26	0.000	0.000	1.000
5211.						
5212	5	11	25	0.000	0.000	1.000

BARRIER_LOWK.out						
5212.						
5213.	5	11	25	0.000	0.000	1.000
5214.	5	10	35	0.000	0.000	1.000
5215.	5	10	35	0.000	0.000	1.000
5216.	5	10	34	0.000	0.000	1.000
5217.	5	10	33	0.000	0.000	1.000
5218.	5	10	32	0.000	0.000	1.000
5219.	5	10	32	0.000	0.000	1.000
5220.	5	10	31	0.000	0.000	1.000
5221.	5	10	30	0.000	0.000	1.000
5222.	5	10	29	0.000	0.000	1.000
5223.	5	10	29	0.000	0.000	1.000
5224.	5	10	28	0.000	0.000	1.000
5225.	5	10	27	0.000	0.000	1.000
5226.	5	10	26	0.000	0.000	1.000
5227.	5	10	25	0.000	0.000	1.000
5228.	5	10	24	0.000	0.000	1.000
5229.	5	10	34	0.000	0.000	1.000
5230.	5	10	34	0.000	0.000	1.000
5231.	5	10	33	0.000	0.000	1.000
5232.	5	10	32	0.000	0.000	1.000
5233.	5	10	31	0.000	0.000	1.000
5234.	5	10	31	0.000	0.000	1.000
5235.	5	10	30	0.000	0.000	1.000
5236.	5	10	29	0.000	0.000	1.000
5237.	5	10	28	0.000	0.000	1.000
5238.	5	10	28	0.000	0.000	1.000
5239.	5	10	27	0.000	0.000	1.000
5240.	5	10	26	0.000	0.000	1.000
5241.	5	10	25	0.000	0.000	1.000
5242.	5	10	25	0.000	0.000	1.000
5243.	5	9	35	0.000	0.000	1.000

				BARRIER_LOWK.out		
5244	5	9	34	0.000	0.000	1.000
5244.						
5245	5	9	33	0.000	0.000	1.000
5245.						
5246	5	9	32	0.000	0.000	1.000
5246.						
5247	5	9	32	0.000	0.000	1.000
5247.						
5248	5	9	31	0.000	0.000	1.000
5248.						
5249	5	9	30	0.000	0.000	1.000
5249.						
5250	5	9	29	0.000	0.000	1.000
5250.						
5251	5	9	29	0.000	0.000	1.000
5251.						
5252	5	9	28	0.000	0.000	1.000
5252.						
5253	5	9	27	0.000	0.000	1.000
5253.						
5254	5	9	26	0.000	0.000	1.000
5254.						
5255	5	9	25	0.000	0.000	1.000
5255.						
5256	5	9	24	0.000	0.000	1.000
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5257	5	9	34	0.000	0.000	1.000
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5258	5	9	34	0.000	0.000	1.000
5258.						
5259	5	9	33	0.000	0.000	1.000
5259.						
5260	5	9	32	0.000	0.000	1.000
5260.						
5261	5	9	31	0.000	0.000	1.000
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5262	5	9	31	0.000	0.000	1.000
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5263	5	9	30	0.000	0.000	1.000
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5264	5	9	29	0.000	0.000	1.000
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5265	5	9	28	0.000	0.000	1.000
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5266	5	9	28	0.000	0.000	1.000
5266.						
5267	5	9	27	0.000	0.000	1.000
5267.						
5268	5	9	26	0.000	0.000	1.000
5268.						
5269	5	9	25	0.000	0.000	1.000
5269.						
5270	5	9	25	0.000	0.000	1.000
5270.						
5271	5	9	34	0.000	0.000	1.000
5271.						
5272	5	9	33	0.000	0.000	1.000
5272.						
5273	5	9	32	0.000	0.000	1.000
5273.						
5274	5	9	32	0.000	0.000	1.000
5274.						
5275	5	9	31	0.000	0.000	1.000

BARRIER_LOWK.out

5275.						
5276	5	9	30	0.000	0.000	1.000
5276.						
5277	5	9	29	0.000	0.000	1.000
5277.						
5278	5	9	29	0.000	0.000	1.000
5278.						
5279	5	9	28	0.000	0.000	1.000
5279.						
5280	5	9	27	0.000	0.000	1.000
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5281	5	9	26	0.000	0.000	1.000
5281.						
5282	5	9	25	0.000	0.000	1.000
5282.						
5283	5	9	24	0.000	0.000	1.000
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5284	5	9	24	0.000	0.000	1.000
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5285	5	8	34	0.000	0.000	1.000
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5286	5	8	33	0.000	0.000	1.000
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5287	5	8	32	0.000	0.000	1.000
5287.						
5288	5	8	31	0.000	0.000	1.000
5288.						
5289	5	8	31	0.000	0.000	1.000
5289.						
5290	5	8	30	0.000	0.000	1.000
5290.						
5291	5	8	29	0.000	0.000	1.000
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5292	5	8	28	0.000	0.000	1.000
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5293	5	8	28	0.000	0.000	1.000
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5294	5	8	27	0.000	0.000	1.000
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5295	5	8	26	0.000	0.000	1.000
5295.						
5296	5	8	25	0.000	0.000	1.000
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5297	5	8	25	0.000	0.000	1.000
5297.						
5298	5	8	24	0.000	0.000	1.000
5298.						
5299	5	8	34	0.000	0.000	1.000
5299.						
5300	5	8	33	0.000	0.000	1.000
5300.						
5301	5	8	32	0.000	0.000	1.000
5301.						
5302	5	8	32	0.000	0.000	1.000
5302.						
5303	5	8	31	0.000	0.000	1.000
5303.						
5304	5	8	30	0.000	0.000	1.000
5304.						
5305	5	8	29	0.000	0.000	1.000
5305.						
5306	5	8	29	0.000	0.000	1.000
5306.						

				BARRIER_LOWK.out		
5307	5	8	28	0.000	0.000	1.000
5307.						
5308	5	8	27	0.000	0.000	1.000
5308.						
5309	5	8	26	0.000	0.000	1.000
5309.						
5310	5	8	25	0.000	0.000	1.000
5310.						
5311	5	8	24	0.000	0.000	1.000
5311.						
5312	5	8	24	0.000	0.000	1.000
5312.						
5313	5	8	33	0.000	0.000	1.000
5313.						
5314	5	8	32	0.000	0.000	1.000
5314.						
5315	5	8	31	0.000	0.000	1.000
5315.						
5316	5	8	31	0.000	0.000	1.000
5316.						
5317	5	8	30	0.000	0.000	1.000
5317.						
5318	5	8	29	0.000	0.000	1.000
5318.						
5319	5	8	28	0.000	0.000	1.000
5319.						
5320	5	8	28	0.000	0.000	1.000
5320.						
5321	5	8	27	0.000	0.000	1.000
5321.						
5322	5	8	26	0.000	0.000	1.000
5322.						
5323	5	8	25	0.000	0.000	1.000
5323.						
5324	5	8	25	0.000	0.000	1.000
5324.						
5325	5	8	24	0.000	0.000	1.000
5325.						
5326	5	7	33	0.000	0.000	1.000
5326.						
5327	5	7	32	0.000	0.000	1.000
5327.						
5328	5	7	32	0.000	0.000	1.000
5328.						
5329	5	7	31	0.000	0.000	1.000
5329.						
5330	5	7	30	0.000	0.000	1.000
5330.						
5331	5	7	29	0.000	0.000	1.000
5331.						
5332	5	7	29	0.000	0.000	1.000
5332.						
5333	5	7	28	0.000	0.000	1.000
5333.						
5334	5	7	27	0.000	0.000	1.000
5334.						
5335	5	7	26	0.000	0.000	1.000
5335.						
5336	5	7	25	0.000	0.000	1.000
5336.						
5337	5	7	24	0.000	0.000	1.000
5337.						
5338	5	7	24	0.000	0.000	1.000

BARRIER_LOWK.out

5338.						
5339	5	7	33	0.000	0.000	1.000
5339.						
5340	5	7	32	0.000	0.000	1.000
5340.						
5341	5	7	31	0.000	0.000	1.000
5341.						
5342	5	7	31	0.000	0.000	1.000
5342.						
5343	5	7	30	0.000	0.000	1.000
5343.						
5344	5	7	29	0.000	0.000	1.000
5344.						
5345	5	7	28	0.000	0.000	1.000
5345.						
5346	5	7	28	0.000	0.000	1.000
5346.						
5347	5	7	27	0.000	0.000	1.000
5347.						
5348	5	7	26	0.000	0.000	1.000
5348.						
5349	5	7	25	0.000	0.000	1.000
5349.						
5350	5	7	25	0.000	0.000	1.000
5350.						
5351	5	7	24	0.000	0.000	1.000
5351.						
5352	5	7	23	0.000	0.000	1.000
5352.						
5353	5	6	32	0.000	0.000	1.000
5353.						
5354	5	6	32	0.000	0.000	1.000
5354.						
5355	5	6	31	0.000	0.000	1.000
5355.						
5356	5	6	30	0.000	0.000	1.000
5356.						
5357	5	6	29	0.000	0.000	1.000
5357.						
5358	5	6	29	0.000	0.000	1.000
5358.						
5359	5	6	28	0.000	0.000	1.000
5359.						
5360	5	6	27	0.000	0.000	1.000
5360.						
5361	5	6	26	0.000	0.000	1.000
5361.						
5362	5	6	25	0.000	0.000	1.000
5362.						
5363	5	6	24	0.000	0.000	1.000
5363.						
5364	5	6	24	0.000	0.000	1.000
5364.						
5365	5	6	23	0.000	0.000	1.000
5365.						
5366	5	6	32	0.000	0.000	1.000
5366.						
5367	5	6	31	0.000	0.000	1.000
5367.						
5368	5	6	31	0.000	0.000	1.000
5368.						
5369	5	6	30	0.000	0.000	1.000
5369.						

				BARRIER_LOWK.out		
5370	5	6	29	0.000	0.000	1.000
5370.						
5371	5	6	28	0.000	0.000	1.000
5371.						
5372	5	6	28	0.000	0.000	1.000
5372.						
5373	5	6	27	0.000	0.000	1.000
5373.						
5374	5	6	26	0.000	0.000	1.000
5374.						
5375	5	6	25	0.000	0.000	1.000
5375.						
5376	5	6	25	0.000	0.000	1.000
5376.						
5377	5	6	24	0.000	0.000	1.000
5377.						
5378	5	6	23	0.000	0.000	1.000
5378.						
5379	5	6	32	0.000	0.000	1.000
5379.						
5380	5	6	32	0.000	0.000	1.000
5380.						
5381	5	6	31	0.000	0.000	1.000
5381.						
5382	5	6	30	0.000	0.000	1.000
5382.						
5383	5	6	29	0.000	0.000	1.000
5383.						
5384	5	6	29	0.000	0.000	1.000
5384.						
5385	5	6	28	0.000	0.000	1.000
5385.						
5386	5	6	27	0.000	0.000	1.000
5386.						
5387	5	6	26	0.000	0.000	1.000
5387.						
5388	5	6	25	0.000	0.000	1.000
5388.						
5389	5	6	24	0.000	0.000	1.000
5389.						
5390	5	6	24	0.000	0.000	1.000
5390.						
5391	5	6	23	0.000	0.000	1.000
5391.						
5392	5	6	22	0.000	0.000	1.000
5392.						
5393	5	5	31	0.000	0.000	1.000
5393.						
5394	5	5	31	0.000	0.000	1.000
5394.						
5395	5	5	30	0.000	0.000	1.000
5395.						
5396	5	5	29	0.000	0.000	1.000
5396.						
5397	5	5	28	0.000	0.000	1.000
5397.						
5398	5	5	28	0.000	0.000	1.000
5398.						
5399	5	5	27	0.000	0.000	1.000
5399.						
5400	5	5	26	0.000	0.000	1.000
5400.						
5401	5	5	25	0.000	0.000	1.000

BARRIER_LOWK.out

5401.						
5402	5	5	25	0.000	0.000	1.000
5402.						
5403	5	5	24	0.000	0.000	1.000
5403.						
5404	5	5	23	0.000	0.000	1.000
5404.						
5405	5	5	22	0.000	0.000	1.000
5405.						
5406	5	5	32	0.000	0.000	1.000
5406.						
5407	5	5	31	0.000	0.000	1.000
5407.						
5408	5	5	30	0.000	0.000	1.000
5408.						
5409	5	5	29	0.000	0.000	1.000
5409.						
5410	5	5	29	0.000	0.000	1.000
5410.						
5411	5	5	28	0.000	0.000	1.000
5411.						
5412	5	5	27	0.000	0.000	1.000
5412.						
5413	5	5	26	0.000	0.000	1.000
5413.						
5414	5	5	25	0.000	0.000	1.000
5414.						
5415	5	5	24	0.000	0.000	1.000
5415.						
5416	5	5	24	0.000	0.000	1.000
5416.						
5417	5	5	23	0.000	0.000	1.000
5417.						
5418	5	5	22	0.000	0.000	1.000
5418.						
5419	5	5	31	0.000	0.000	1.000
5419.						
5420	5	5	31	0.000	0.000	1.000
5420.						
5421	5	5	30	0.000	0.000	1.000
5421.						
5422	5	5	29	0.000	0.000	1.000
5422.						
5423	5	5	28	0.000	0.000	1.000
5423.						
5424	5	5	28	0.000	0.000	1.000
5424.						
5425	5	5	27	0.000	0.000	1.000
5425.						
5426	5	5	26	0.000	0.000	1.000
5426.						
5427	5	5	25	0.000	0.000	1.000
5427.						
5428	5	5	25	0.000	0.000	1.000
5428.						
5429	5	5	24	0.000	0.000	1.000
5429.						
5430	5	5	23	0.000	0.000	1.000
5430.						
5431	5	5	22	0.000	0.000	1.000
5431.						
5432	5	5	22	0.000	0.000	1.000
5432.						

				BARRIER_LOWK.out		
5433	5	4	31	0.000	0.000	1.000
5433.						
5434	5	4	30	0.000	0.000	1.000
5434.						
5435	5	4	29	0.000	0.000	1.000
5435.						
5436	5	4	29	0.000	0.000	1.000
5436.						
5437	5	4	28	0.000	0.000	1.000
5437.						
5438	5	4	27	0.000	0.000	1.000
5438.						
5439	5	4	26	0.000	0.000	1.000
5439.						
5440	5	4	25	0.000	0.000	1.000
5440.						
5441	5	4	24	0.000	0.000	1.000
5441.						
5442	5	4	24	0.000	0.000	1.000
5442.						
5443	5	4	23	0.000	0.000	1.000
5443.						
5444	5	4	22	0.000	0.000	1.000
5444.						
5445	5	4	21	0.000	0.000	1.000
5445.						
5446	5	4	31	0.000	0.000	1.000
5446.						
5447	5	4	30	0.000	0.000	1.000
5447.						
5448	5	4	29	0.000	0.000	1.000
5448.						
5449	5	4	28	0.000	0.000	1.000
5449.						
5450	5	4	28	0.000	0.000	1.000
5450.						
5451	5	4	27	0.000	0.000	1.000
5451.						
5452	5	4	26	0.000	0.000	1.000
5452.						
5453	5	4	25	0.000	0.000	1.000
5453.						
5454	5	4	25	0.000	0.000	1.000
5454.						
5455	5	4	24	0.000	0.000	1.000
5455.						
5456	5	4	23	0.000	0.000	1.000
5456.						
5457	5	4	22	0.000	0.000	1.000
5457.						
5458	5	4	22	0.000	0.000	1.000
5458.						

5458 WELLS

DRAIN NO. CONDFACT	LAYER	ROW CELLGRP	COL	DRAIN EL.	CONDUCTANCE	IFACE
1	1	21	44	3653.	0.5130E+05	6.000
51.30		1.000				
2	1	22	44	3655.	0.5664E+05	6.000

BARRIER_LOWK.out

56.64		1.000				
3	1	22	43	3656.	0.4807E+05	6.000
48.07		1.000				
4	1	22	42	3657.	0.4807E+05	6.000
48.07		1.000				
5	1	22	41	3658.	0.4807E+05	6.000
48.07		1.000				
6	1	22	40	3659.	960.3	6.000
0.9603		1.000				
7	1	23	40	3660.	0.4711E+05	6.000
47.11		1.000				
8	1	23	39	3661.	0.4807E+05	6.000
48.07		1.000				
9	1	23	38	3662.	0.4807E+05	6.000
48.07		1.000				
10	1	23	37	3663.	0.4807E+05	6.000
48.07		1.000				
11	1	23	36	3664.	0.4807E+05	6.000
48.07		1.000				
12	1	23	35	3665.	0.4807E+05	6.000
48.07		1.000				
13	1	23	34	3667.	0.4407E+05	6.000
44.07		1.000				
14	1	24	34	3667.	3999.	6.000
3.999		1.000				
15	1	24	33	3668.	0.4807E+05	6.000
48.07		1.000				
16	1	24	32	3669.	0.4807E+05	6.000
48.07		1.000				
17	1	24	31	3670.	0.4807E+05	6.000
48.07		1.000				
18	1	24	30	3671.	0.4807E+05	6.000
48.07		1.000				
19	1	24	29	3673.	0.4807E+05	6.000
48.07		1.000				
20	1	24	28	3674.	0.4807E+05	6.000
48.07		1.000				
21	1	86	46	3704.	0.3720E+05	6.000
37.20		2.000				
22	1	86	45	3704.	0.5033E+05	6.000
50.33		2.000				
23	1	86	44	3704.	0.5033E+05	6.000
50.33		2.000				
24	1	86	43	3704.	0.3054E+05	6.000
30.54		2.000				
25	1	85	43	3704.	0.1979E+05	6.000
19.79		2.000				
26	1	85	42	3704.	0.5033E+05	6.000
50.33		2.000				
27	1	85	41	3705.	0.5033E+05	6.000
50.33		2.000				
28	1	85	40	3705.	0.4796E+05	6.000
47.96		2.000				
29	1	84	40	3705.	2372.	6.000
2.372		2.000				
30	1	84	39	3705.	0.5033E+05	6.000
50.33		2.000				
31	1	84	38	3705.	0.5033E+05	6.000
50.33		2.000				
32	1	84	37	3705.	0.5033E+05	6.000
50.33		2.000				
33	1	4	53	3625.	0.6183E+05	6.000
61.83		3.000				

				BARRIER_LOWK.out		
34	1	5	53	3627.	0.5138E+05	6.000
51.38		3.000				
35	1	5	52	3627.	0.1046E+05	6.000
10.46		3.000				
36	1	6	52	3628.	0.6183E+05	6.000
61.83		3.000				
37	1	7	52	3630.	0.5000E+05	6.000
50.00		3.000				
38	1	7	51	3630.	0.1183E+05	6.000
11.83		3.000				
39	1	8	51	3631.	0.6183E+05	6.000
61.83		3.000				
40	1	9	51	3633.	0.4863E+05	6.000
48.63		3.000				
41	1	9	50	3633.	0.1320E+05	6.000
13.20		3.000				
42	1	10	50	3634.	0.6183E+05	6.000
61.83		3.000				
43	1	11	50	3636.	0.4726E+05	6.000
47.26		3.000				
44	1	11	49	3636.	0.1457E+05	6.000
14.57		3.000				
45	1	12	49	3637.	0.6183E+05	6.000
61.83		3.000				
46	1	13	49	3639.	0.4027E+05	6.000
40.27		3.000				
47	1	13	48	3639.	0.3152E+05	6.000
31.52		3.000				
48	1	14	48	3640.	0.3300E+05	6.000
33.00		3.000				
49	1	14	47	3641.	0.5093E+05	6.000
50.93		3.000				
50	1	15	47	3642.	0.1360E+05	6.000
13.60		3.000				
51	1	15	46	3643.	0.6453E+05	6.000
64.53		3.000				
52	1	15	45	3644.	5810.	6.000
5.810		3.000				
53	1	16	45	3645.	0.5872E+05	6.000
58.72		3.000				
54	1	16	44	3646.	0.2522E+05	6.000
25.22		3.000				
55	1	17	44	3646.	0.3931E+05	6.000
39.31		3.000				
56	1	17	43	3647.	0.4462E+05	6.000
44.62		3.000				
57	1	18	43	3648.	0.1990E+05	6.000
19.90		3.000				
58	1	18	42	3649.	0.2773E+05	6.000
27.73		3.000				
59	1	18	43	3649.	0.2064E+05	6.000
20.64		3.000				
60	1	19	43	3650.	0.6027E+05	6.000
60.27		3.000				
61	1	20	43	3652.	0.6027E+05	6.000
60.27		3.000				
62	1	21	43	3653.	4694.	6.000
4.694		3.000				
63	1	21	44	3653.	4275.	6.000
4.275		3.000				

63 DRAINS

BOUND. NO. CONDFACT	LAYER	ROW CELLGRP	COL	BARRIER_LOWK.out STAGE	CONDUCTANCE	IFACE
1	5	18	74	3700.	3.986	6.000
0.6643		1.000				
2	5	18	73	3700.	284.7	6.000
47.45		1.000				
3	5	18	72	3700.	284.7	6.000
47.45		1.000				
4	5	18	71	3700.	284.7	6.000
47.45		1.000				
5	5	18	70	3700.	284.7	6.000
47.45		1.000				
6	5	18	69	3700.	284.7	6.000
47.45		1.000				
7	5	18	68	3700.	284.7	6.000
47.45		1.000				
8	5	18	67	3700.	150.4	6.000
25.07		1.000				
9	5	17	67	3700.	134.3	6.000
22.38		1.000				
10	5	17	66	3700.	284.7	6.000
47.45		1.000				
11	5	17	65	3701.	284.7	6.000
47.45		1.000				
12	5	17	64	3701.	284.7	6.000
47.45		1.000				
13	5	17	63	3701.	284.7	6.000
47.45		1.000				
14	5	17	62	3701.	284.7	6.000
47.45		1.000				
15	5	17	61	3701.	284.7	6.000
47.45		1.000				
16	5	17	60	3701.	284.7	6.000
47.45		1.000				
17	5	17	59	3701.	284.7	6.000
47.45		1.000				
18	5	17	58	3701.	284.7	6.000
47.45		1.000				
19	5	17	57	3701.	284.7	6.000
47.45		1.000				
20	5	17	56	3701.	231.7	6.000
38.62		1.000				
21	5	16	56	3701.	342.6	6.000
57.10		1.000				
22	5	15	56	3701.	342.6	6.000
57.10		1.000				
23	5	14	56	3701.	342.6	6.000
57.10		1.000				
24	5	13	56	3701.	223.0	6.000
37.17		1.000				
25	5	13	57	3701.	119.6	6.000
19.93		1.000				
26	5	12	57	3702.	342.6	6.000
57.10		1.000				
27	5	11	57	3702.	342.6	6.000
57.10		1.000				
28	5	10	57	3702.	342.6	6.000
57.10		1.000				
29	5	9	57	3702.	342.6	6.000
57.10		1.000				

			BARRIER_LOWK.out		
30	5	8	57	3702.	342.6
57.10		1.000			6.000
31	5	7	57	3702.	342.6
57.10		1.000			6.000
32	5	6	57	3702.	342.6
57.10		1.000			6.000
33	5	5	57	3702.	342.6
57.10		1.000			6.000
34	5	4	57	3702.	342.6
57.10		1.000			6.000
35	5	3	57	3702.	236.3
39.39		1.000			6.000
36	5	3	56	3702.	284.4
47.40		1.000			6.000
37	5	3	55	3702.	284.4
47.40		1.000			6.000
38	5	3	54	3702.	284.4
47.40		1.000			6.000
39	5	3	53	3702.	284.4
47.40		1.000			6.000
40	5	3	52	3703.	284.4
47.40		1.000			6.000
41	5	3	51	3703.	284.4
47.40		1.000			6.000
42	5	3	50	3703.	284.4
47.40		1.000			6.000
43	5	3	49	3703.	284.4
47.40		1.000			6.000
44	5	3	48	3703.	284.4
47.40		1.000			6.000
45	5	3	47	3703.	284.4
47.40		1.000			6.000
46	5	3	46	3703.	284.4
47.40		1.000			6.000
47	5	3	45	3703.	284.4
47.40		1.000			6.000
48	5	3	44	3703.	284.4
47.40		1.000			6.000
49	5	3	43	3703.	284.4
47.40		1.000			6.000
50	5	3	42	3703.	284.4
47.40		1.000			6.000
51	5	3	41	3703.	284.4
47.40		1.000			6.000
52	5	3	40	3703.	284.4
47.40		1.000			6.000
53	5	3	39	3703.	284.4
47.40		1.000			6.000
54	5	3	38	3703.	284.4
47.40		1.000			6.000
55	5	3	37	3704.	284.4
47.40		1.000			6.000
56	5	3	36	3704.	284.4
47.40		1.000			6.000
57	5	3	35	3704.	284.4
47.40		1.000			6.000
58	5	3	34	3704.	258.2
43.03		1.000			6.000
59	5	2	34	3704.	26.26
4.377		1.000			6.000
60	5	2	33	3704.	284.4
47.40		1.000			6.000
61	5	2	32	3704.	284.4

BARRIER_LOWK.out

47.40		1.000				
62	5	2	31	3704.	284.4	6.000
47.40		1.000				
63	5	2	30	3704.	284.4	6.000
47.40		1.000				
64	5	2	29	3704.	284.4	6.000
47.40		1.000				
65	5	2	28	3704.	284.4	6.000
47.40		1.000				
66	5	2	27	3704.	284.4	6.000
47.40		1.000				
67	5	2	26	3704.	284.4	6.000
47.40		1.000				
68	5	2	25	3704.	284.4	6.000
47.40		1.000				
69	5	2	24	3704.	284.4	6.000
47.40		1.000				
70	5	2	23	3704.	284.4	6.000
47.40		1.000				
71	5	2	22	3704.	284.4	6.000
47.40		1.000				
72	5	2	21	3705.	284.4	6.000
47.40		1.000				
73	5	2	20	3705.	284.4	6.000
47.40		1.000				
74	5	2	19	3705.	284.4	6.000
47.40		1.000				
75	5	2	18	3705.	284.4	6.000
47.40		1.000				
76	5	2	17	3705.	284.4	6.000
47.40		1.000				
77	5	2	16	3705.	284.4	6.000
47.40		1.000				
78	5	2	15	3705.	284.4	6.000
47.40		1.000				
79	5	2	14	3705.	49.38	6.000
8.229		1.000				
80	5	66	28	3711.	2.025	6.000
12.94		2.000				
81	5	65	28	3711.	8.934	6.000
57.09		2.000				
82	5	64	28	3711.	8.934	6.000
57.09		2.000				
83	5	63	28	3711.	8.934	6.000
57.09		2.000				
84	5	62	28	3711.	8.934	6.000
57.09		2.000				
85	5	61	28	3711.	7.960	6.000
50.86		2.000				
86	5	61	29	3711.	0.9736	6.000
6.221		2.000				
87	5	60	29	3710.	8.934	6.000
57.09		2.000				
88	5	59	29	3710.	8.934	6.000
57.09		2.000				
89	5	58	29	3710.	8.934	6.000
57.09		2.000				
90	5	57	29	3710.	8.934	6.000
57.09		2.000				
91	5	56	29	3710.	8.934	6.000
57.09		2.000				
92	5	55	29	3710.	8.934	6.000
57.09		2.000				

				BARRIER_LOWK.out		
93	5	54	29	3710.	8.934	6.000
57.09		2.000				
94	5	53	29	3710.	8.934	6.000
57.09		2.000				
95	5	52	29	3710.	8.934	6.000
57.09		2.000				
96	5	51	29	3710.	8.934	6.000
57.09		2.000				
97	5	50	29	3710.	8.934	6.000
57.09		2.000				
98	5	49	29	3709.	8.934	6.000
57.09		2.000				
99	5	48	29	3709.	8.934	6.000
57.09		2.000				
100	5	47	29	3709.	8.934	6.000
57.09		2.000				
101	5	46	29	3709.	8.934	6.000
57.09		2.000				
102	5	45	29	3709.	7.171	6.000
45.82		2.000				
103	5	45	30	3709.	1.763	6.000
11.27		2.000				
104	5	44	30	3709.	8.934	6.000
57.09		2.000				
105	5	43	30	3709.	8.934	6.000
57.09		2.000				
106	5	42	30	3709.	8.934	6.000
57.09		2.000				
107	5	41	30	3709.	8.934	6.000
57.09		2.000				
108	5	40	30	3709.	8.934	6.000
57.09		2.000				
109	5	39	30	3709.	8.934	6.000
57.09		2.000				
110	5	38	30	3709.	8.934	6.000
57.09		2.000				
111	5	37	30	3708.	8.934	6.000
57.09		2.000				
112	5	36	30	3708.	8.934	6.000
57.09		2.000				
113	5	35	30	3708.	8.934	6.000
57.09		2.000				
114	5	34	30	3708.	8.934	6.000
57.09		2.000				
115	5	33	30	3708.	8.934	6.000
57.09		2.000				
116	5	32	30	3708.	8.934	6.000
57.09		2.000				
117	5	31	30	3708.	9.186	6.000
58.69		2.000				
118	5	30	30	3708.	9.820	6.000
62.75		2.000				
119	5	29	30	3708.	2.896	6.000
18.50		2.000				
120	5	29	29	3708.	6.924	6.000
44.25		2.000				
121	5	28	29	3708.	9.820	6.000
62.75		2.000				
122	5	27	29	3708.	0.9883	6.000
6.315		2.000				
123	5	27	28	3707.	8.832	6.000
56.44		2.000				
124	5	26	28	3707.	8.901	6.000

BARRIER_LOWK.out

56.88		2.000				
125	5	26	27	3707.	0.9194	6.000
5.875		2.000				
126	5	25	27	3707.	9.820	6.000
62.75		2.000				
127	5	24	27	3707.	6.993	6.000
44.69		2.000				
128	5	24	26	3707.	2.827	6.000
18.07		2.000				
129	5	23	26	3707.	9.820	6.000
62.75		2.000				
130	5	22	26	3707.	5.086	6.000
32.50		2.000				
131	5	22	25	3707.	4.735	6.000
30.26		2.000				
132	5	21	25	3707.	9.820	6.000
62.75		2.000				
133	5	20	25	3707.	3.178	6.000
20.31		2.000				
134	5	20	24	3707.	6.643	6.000
42.45		2.000				
135	5	19	24	3707.	9.820	6.000
62.75		2.000				
136	5	18	24	3707.	1.270	6.000
8.116		2.000				
137	5	18	23	3707.	8.550	6.000
54.64		2.000				
138	5	17	23	3707.	9.183	6.000
58.68		2.000				
139	5	17	22	3706.	0.6376	6.000
4.074		2.000				
140	5	16	22	3706.	9.820	6.000
62.75		2.000				
141	5	15	22	3706.	7.275	6.000
46.49		2.000				
142	5	15	21	3706.	2.545	6.000
16.26		2.000				
143	5	14	21	3706.	9.820	6.000
62.75		2.000				
144	5	13	21	3706.	5.367	6.000
34.30		2.000				
145	5	13	20	3706.	4.453	6.000
28.45		2.000				
146	5	12	20	3706.	9.820	6.000
62.75		2.000				
147	5	11	20	3706.	3.460	6.000
22.11		2.000				
148	5	11	19	3706.	6.361	6.000
40.64		2.000				
149	5	10	19	3706.	9.820	6.000
62.75		2.000				
150	5	9	19	3706.	1.552	6.000
9.917		2.000				
151	5	9	18	3706.	8.268	6.000
52.83		2.000				
152	5	8	18	3706.	9.465	6.000
60.48		2.000				
153	5	8	17	3706.	0.3557	6.000
2.273		2.000				
154	5	7	17	3706.	9.820	6.000
62.75		2.000				
155	5	6	17	3705.	7.557	6.000
48.29		2.000				

				BARRIER_LOWK.out		
156	5	6	16	3705.	2.263	6.000
14.46		2.000				
157	5	5	16	3705.	9.820	6.000
62.75		2.000				
158	5	4	16	3705.	5.649	6.000
36.10		2.000				
159	5	4	15	3705.	4.171	6.000
26.65		2.000				
160	5	3	15	3705.	9.820	6.000
62.75		2.000				
161	5	2	15	3705.	3.742	6.000
23.91		2.000				
162	5	2	14	3705.	3.079	6.000
19.67		2.000				
163	5	97	46	3704.	0.3208E+05	6.000
32.08		3.000				
164	5	97	45	3704.	0.3684E+05	6.000
36.84		3.000				
165	5	96	45	3704.	0.3662E+05	6.000
36.62		3.000				
166	5	96	44	3704.	0.3795E+05	6.000
37.95		3.000				
167	5	95	44	3704.	0.3551E+05	6.000
35.51		3.000				
168	5	95	43	3705.	0.3906E+05	6.000
39.06		3.000				
169	5	94	43	3705.	0.3440E+05	6.000
34.40		3.000				
170	5	94	42	3705.	0.4017E+05	6.000
40.17		3.000				
171	5	93	42	3705.	0.3329E+05	6.000
33.29		3.000				
172	5	93	41	3705.	0.4129E+05	6.000
41.29		3.000				
173	5	92	41	3705.	0.3217E+05	6.000
32.17		3.000				
174	5	92	40	3705.	0.4240E+05	6.000
42.40		3.000				
175	5	91	40	3705.	0.3106E+05	6.000
31.06		3.000				
176	5	91	39	3705.	0.4351E+05	6.000
43.51		3.000				
177	5	90	39	3706.	0.2995E+05	6.000
29.95		3.000				
178	5	90	38	3706.	0.4462E+05	6.000
44.62		3.000				
179	5	89	38	3706.	0.2884E+05	6.000
28.84		3.000				
180	5	89	37	3706.	0.4574E+05	6.000
45.74		3.000				
181	5	88	37	3706.	0.2772E+05	6.000
27.72		3.000				
182	5	88	36	3706.	0.4685E+05	6.000
46.85		3.000				
183	5	87	36	3706.	0.5774E+05	6.000
57.74		3.000				
184	5	86	36	3706.	0.5705E+05	6.000
57.05		3.000				
185	5	85	36	3707.	0.5705E+05	6.000
57.05		3.000				
186	5	84	36	3707.	0.5705E+05	6.000
57.05		3.000				
187	5	83	36	3707.	0.5705E+05	6.000

BARRIER_LOWK.out

57.05		3.000				
188	5	82	36	3707.	0.5705E+05	6.000
57.05		3.000				
189	5	81	36	3707.	0.5705E+05	6.000
57.05		3.000				
190	5	80	36	3707.	0.5705E+05	6.000
57.05		3.000				
191	5	79	36	3708.	0.5705E+05	6.000
57.05		3.000				
192	5	78	36	3708.	0.5705E+05	6.000
57.05		3.000				
193	5	77	36	3708.	0.5705E+05	6.000
57.05		3.000				
194	5	76	36	3708.	0.5705E+05	6.000
57.05		3.000				
195	5	75	36	3708.	0.5705E+05	6.000
57.05		3.000				
196	5	74	36	3708.	0.5705E+05	6.000
57.05		3.000				
197	5	73	36	3709.	0.5705E+05	6.000
57.05		3.000				
198	5	72	36	3709.	0.2976E+05	6.000
29.76		3.000				
199	5	72	37	3709.	0.2728E+05	6.000
27.28		3.000				
200	5	71	37	3709.	0.5705E+05	6.000
57.05		3.000				
201	5	70	37	3709.	0.5705E+05	6.000
57.05		3.000				
202	5	69	37	3709.	0.5705E+05	6.000
57.05		3.000				
203	5	68	37	3709.	0.5705E+05	6.000
57.05		3.000				
204	5	67	37	3710.	0.5705E+05	6.000
57.05		3.000				
205	5	66	37	3710.	0.2703E+05	6.000
27.03		3.000				
206	5	66	36	3710.	0.4748E+05	6.000
47.48		3.000				
207	5	66	35	3710.	0.4748E+05	6.000
47.48		3.000				
208	5	66	34	3710.	0.4748E+05	6.000
47.48		3.000				
209	5	66	33	3710.	0.4748E+05	6.000
47.48		3.000				
210	5	66	32	3710.	0.4748E+05	6.000
47.48		3.000				
211	5	66	31	3711.	0.4748E+05	6.000
47.48		3.000				
212	5	66	30	3711.	0.4748E+05	6.000
47.48		3.000				
213	5	66	29	3711.	0.4748E+05	6.000
47.48		3.000				
214	5	66	28	3711.	0.1527E+05	6.000
15.27		3.000				
215	5	47	93	3705.	0.1811E-01	6.000
1.811		4.000				
216	5	47	92	3705.	0.2785	6.000
27.85		4.000				
217	5	46	92	3705.	0.6485	6.000
64.85		4.000				
218	5	45	92	3705.	0.6669E-01	6.000
6.669		4.000				

				BARRIER_LOWK.out		
219	5	45	91	3705.	0.5818	6.000
58.18		4.000				
220	5	44	91	3705.	0.4118	6.000
41.18		4.000				
221	5	44	90	3704.	0.2366	6.000
23.66		4.000				
222	5	43	90	3704.	0.6485	6.000
64.85		4.000				
223	5	42	90	3704.	0.1085	6.000
10.85		4.000				
224	5	42	89	3704.	0.5400	6.000
54.00		4.000				
225	5	41	89	3704.	0.4536	6.000
45.36		4.000				
226	5	41	88	3704.	0.1948	6.000
19.48		4.000				
227	5	40	88	3704.	0.6485	6.000
64.85		4.000				
228	5	39	88	3704.	0.1503	6.000
15.03		4.000				
229	5	39	87	3704.	0.4982	6.000
49.82		4.000				
230	5	38	87	3703.	0.4954	6.000
49.54		4.000				
231	5	38	86	3703.	0.1530	6.000
15.30		4.000				
232	5	37	86	3703.	0.6485	6.000
64.85		4.000				
233	5	36	86	3703.	0.1921	6.000
19.21		4.000				
234	5	36	85	3703.	0.4564	6.000
45.64		4.000				
235	5	35	85	3703.	0.5372	6.000
53.72		4.000				
236	5	35	84	3703.	0.1112	6.000
11.12		4.000				
237	5	34	84	3703.	0.6485	6.000
64.85		4.000				
238	5	33	84	3703.	0.2339	6.000
23.39		4.000				
239	5	33	83	3703.	0.4146	6.000
41.46		4.000				
240	5	32	83	3702.	0.5790	6.000
57.90		4.000				
241	5	32	82	3702.	0.6944E-01	6.000
6.944		4.000				
242	5	31	82	3702.	0.6485	6.000
64.85		4.000				
243	5	30	82	3702.	0.2757	6.000
27.57		4.000				
244	5	30	81	3702.	0.3728	6.000
37.28		4.000				
245	5	29	81	3702.	0.6208	6.000
62.08		4.000				
246	5	29	80	3702.	0.2763E-01	6.000
2.763		4.000				
247	5	28	80	3702.	0.6485	6.000
64.85		4.000				
248	5	27	80	3702.	0.3175	6.000
31.75		4.000				
249	5	27	79	3702.	0.3310	6.000
33.10		4.000				
250	5	26	79	3701.	0.6485	6.000

BARRIER_LOWK.out

64.85		4.000				
251	5	25	79	3701.	0.1417E-01	6.000
1.417		4.000				
252	5	25	78	3701.	0.6343	6.000
63.43		4.000				
253	5	24	78	3701.	0.3593	6.000
35.93		4.000				
254	5	24	77	3701.	0.2892	6.000
28.92		4.000				
255	5	23	77	3701.	0.6485	6.000
64.85		4.000				
256	5	22	77	3701.	0.5597E-01	6.000
5.597		4.000				
257	5	22	76	3701.	0.5925	6.000
59.25		4.000				
258	5	21	76	3701.	0.4011	6.000
40.11		4.000				
259	5	21	75	3700.	0.2474	6.000
24.74		4.000				
260	5	20	75	3700.	0.6485	6.000
64.85		4.000				
261	5	19	75	3700.	0.9778E-01	6.000
9.778		4.000				
262	5	19	74	3700.	0.5507	6.000
55.07		4.000				
263	5	18	74	3700.	0.4290	6.000
42.90		4.000				

263 GHB CELLS

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

				BARRIER_LOWK.out	
32	1	66	81	1804.	1804.
33	1	67	81	1805.	1805.
34	1	68	81	1806.	1806.
35	1	69	81	1807.	1807.
36	1	70	81	1807.	1807.
37	1	70	80	1808.	1808.
38	1	71	80	1808.	1808.
39	1	72	80	1809.	1809.
40	1	73	80	1810.	1810.
41	1	73	79	1811.	1811.
42	1	73	78	1811.	1811.
43	1	74	78	1812.	1812.
44	1	74	77	1812.	1812.
45	1	74	76	1813.	1813.
46	1	74	75	1814.	1814.
47	1	75	75	1814.	1814.
48	1	75	74	1815.	1815.
49	1	75	73	1816.	1816.
50	1	76	73	1816.	1816.
51	1	76	72	1817.	1817.
52	1	76	71	1817.	1817.
53	1	77	71	1818.	1818.
54	1	77	70	1818.	1818.
55	1	77	69	1819.	1819.
56	1	77	68	1820.	1820.
57	1	77	67	1820.	1820.
58	1	76	67	1821.	1821.
59	1	76	66	1822.	1822.
60	1	75	66	1822.	1822.
61	1	75	65	1823.	1823.
62	1	74	65	1823.	1823.
63	1	73	65	1824.	1824.
64	1	73	64	1825.	1825.
65	1	72	64	1825.	1825.
66	1	72	63	1826.	1826.
67	1	72	62	1827.	1827.
68	1	73	62	1827.	1827.
69	1	73	61	1828.	1828.
70	1	74	61	1828.	1828.
71	1	75	61	1829.	1829.
72	1	76	61	1830.	1830.
73	1	76	60	1830.	1830.
74	1	77	60	1831.	1831.
75	1	78	60	1832.	1832.
76	1	78	59	1832.	1832.
77	1	79	59	1833.	1833.
78	1	80	59	1834.	1834.
79	1	81	59	1835.	1835.
80	1	81	58	1835.	1835.
81	1	82	58	1836.	1836.
82	1	83	58	1837.	1837.
83	1	83	57	1837.	1837.
84	1	84	57	1838.	1838.
85	1	84	56	1839.	1839.
86	1	84	55	1839.	1839.
87	1	85	55	1840.	1840.
88	1	85	54	1840.	1840.
89	1	85	53	1841.	1841.
90	1	85	52	1842.	1842.
91	1	85	51	1843.	1843.
92	1	86	51	1843.	1843.
93	1	86	50	1844.	1844.
94	1	86	49	1844.	1844.

				BARRIER_LOWK.out	
95	1	86	48	1845.	1845.
96	1	86	47	1846.	1846.
97	1	87	47	1846.	1846.
98	1	87	46	151.7	151.7
99	1	2	14	541.2	541.2
100	1	2	15	1220.	1220.
101	1	2	16	1834.	1834.
102	1	2	17	1833.	1833.
103	1	2	18	1833.	1833.
104	1	2	19	1832.	1832.
105	1	2	20	1832.	1832.
106	1	2	21	1831.	1831.
107	1	2	22	1831.	1831.
108	1	2	23	1830.	1830.
109	1	2	24	1830.	1830.
110	1	2	25	1829.	1829.
111	1	2	26	1828.	1828.
112	1	2	27	1828.	1828.
113	1	2	28	1827.	1827.
114	1	2	29	1827.	1827.
115	1	2	30	1826.	1826.
116	1	2	31	1826.	1826.
117	1	2	32	1825.	1825.
118	1	2	33	1825.	1825.
119	1	2	34	1824.	1824.
120	1	3	34	1824.	1824.
121	1	3	35	1823.	1823.
122	1	3	36	1823.	1823.
123	1	3	37	1822.	1822.
124	1	3	38	1822.	1822.
125	1	3	39	1821.	1821.
126	1	3	40	1821.	1821.
127	1	3	41	1820.	1820.
128	1	3	42	1819.	1819.
129	1	3	43	1819.	1819.
130	1	3	44	1818.	1818.
131	1	3	45	1818.	1818.
132	1	3	46	1817.	1817.
133	1	3	47	1817.	1817.
134	1	3	48	1816.	1816.
135	1	3	49	1816.	1816.
136	1	3	50	1815.	1815.
137	1	3	51	1814.	1814.
138	1	3	52	1814.	1814.
139	1	3	53	1813.	1813.
140	1	3	54	122.0	122.0
141	1	2	14	1294.	1294.
142	1	2	15	615.3	615.3
143	1	3	15	1835.	1835.
144	1	4	15	1836.	1836.
145	1	4	16	1836.	1836.
146	1	5	16	1836.	1836.
147	1	6	16	1836.	1836.
148	1	6	17	1837.	1837.
149	1	7	17	1837.	1837.
150	1	8	17	1837.	1837.
151	1	8	18	1837.	1837.
152	1	9	18	1838.	1838.
153	1	9	19	1838.	1838.
154	1	10	19	1838.	1838.
155	1	11	19	1838.	1838.
156	1	11	20	1838.	1838.
157	1	12	20	1839.	1839.

				BARRIER_LOWK.out	
158	1	13	20	1839.	1839.
159	1	13	21	1839.	1839.
160	1	14	21	1839.	1839.
161	1	15	21	1840.	1840.
162	1	15	22	1840.	1840.
163	1	16	22	1840.	1840.
164	1	17	22	1840.	1840.
165	1	17	23	1840.	1840.
166	1	18	23	1841.	1841.
167	1	18	24	1841.	1841.
168	1	19	24	1841.	1841.
169	1	20	24	1841.	1841.
170	1	20	25	1842.	1842.
171	1	21	25	1842.	1842.
172	1	22	25	1842.	1842.
173	1	22	26	1842.	1842.
174	1	23	26	1842.	1842.
175	1	24	26	1843.	1843.
176	1	24	27	1771.	1771.
177	1	87	36	93.94	93.94
178	1	88	36	1847.	1847.
179	1	88	37	1847.	1847.
180	1	89	37	1846.	1846.
181	1	89	38	1846.	1846.
182	1	90	38	1846.	1846.
183	1	90	39	1845.	1845.
184	1	91	39	1845.	1845.
185	1	91	40	1845.	1845.
186	1	92	40	1844.	1844.
187	1	92	41	1844.	1844.
188	1	93	41	1843.	1843.
189	1	93	42	1843.	1843.
190	1	94	42	1843.	1843.
191	1	94	43	1842.	1842.
192	1	95	43	1842.	1842.
193	1	95	44	1842.	1842.
194	1	96	44	1841.	1841.
195	1	96	45	1841.	1841.
196	1	97	45	1841.	1841.
197	1	97	46	696.2	696.2
198	1	18	74	1782.	1782.
199	1	19	74	1809.	1809.
200	1	19	75	1809.	1809.
201	1	20	75	1808.	1808.
202	1	21	75	1807.	1807.
203	1	21	76	1807.	1807.
204	1	22	76	1806.	1806.
205	1	22	77	1806.	1806.
206	1	23	77	1805.	1805.
207	1	24	77	1804.	1804.
208	1	24	78	1804.	1804.
209	1	25	78	1803.	1803.
210	1	25	79	1803.	1803.
211	1	26	79	1802.	1802.
212	1	27	79	1802.	1802.
213	1	27	80	1801.	1801.
214	1	28	80	1800.	1800.
215	1	29	80	1800.	1800.
216	1	29	81	1799.	1799.
217	1	30	81	1799.	1799.
218	1	30	82	1798.	1798.
219	1	31	82	1798.	1798.
220	1	32	82	1797.	1797.

				BARRIER_LOWK.out	
221	1	32	83	1797.	1797.
222	1	33	83	1796.	1796.
223	1	33	84	1795.	1795.
224	1	34	84	1795.	1795.
225	1	35	84	1794.	1794.
226	1	35	85	1794.	1794.
227	1	36	85	1793.	1793.
228	1	36	86	1793.	1793.
229	1	37	86	1792.	1792.
230	1	38	86	1791.	1791.
231	1	38	87	1791.	1791.
232	1	39	87	1790.	1790.
233	1	39	88	1790.	1790.
234	1	40	88	1789.	1789.
235	1	41	88	1788.	1788.
236	1	41	89	1788.	1788.
237	1	42	89	1787.	1787.
238	1	42	90	1787.	1787.
239	1	43	90	1786.	1786.
240	1	44	90	1786.	1786.
241	1	44	91	1785.	1785.
242	1	45	91	1784.	1784.
243	1	45	92	1784.	1784.
244	1	46	92	1783.	1783.
245	1	47	92	672.9	672.9
246	1	47	93	1092.	1092.
247	1	66	28	995.9	995.9
248	1	66	29	1840.	1840.
249	1	66	30	1840.	1840.
250	1	66	31	1841.	1841.
251	1	66	32	1841.	1841.
252	1	66	33	1841.	1841.
253	1	66	34	1841.	1841.
254	1	66	35	1842.	1842.
255	1	66	36	1842.	1842.
256	1	66	37	1842.	1842.
257	1	67	37	1842.	1842.
258	1	68	37	1843.	1843.
259	1	69	37	1843.	1843.
260	1	70	37	1843.	1843.
261	1	71	37	1843.	1843.
262	1	72	37	1844.	1844.
263	1	72	36	1844.	1844.
264	1	73	36	1844.	1844.
265	1	74	36	1844.	1844.
266	1	75	36	1845.	1845.
267	1	76	36	1845.	1845.
268	1	77	36	1845.	1845.
269	1	78	36	1845.	1845.
270	1	79	36	1846.	1846.
271	1	80	36	1846.	1846.
272	1	81	36	1846.	1846.
273	1	82	36	1847.	1847.
274	1	83	36	1735.	1735.
275	1	24	27	72.26	72.26
276	1	25	27	1843.	1843.
277	1	26	27	1843.	1843.
278	1	26	28	1843.	1843.
279	1	27	28	1843.	1843.
280	1	27	29	1843.	1843.
281	1	28	29	1843.	1843.
282	1	29	29	1843.	1843.
283	1	29	30	1843.	1843.

				BARRIER_LOWK.out	
284	1	30	30	1843.	1843.
285	1	31	30	1842.	1842.
286	1	32	30	1842.	1842.
287	1	33	30	1842.	1842.
288	1	34	30	1842.	1842.
289	1	35	30	1842.	1842.
290	1	36	30	1842.	1842.
291	1	37	30	1842.	1842.
292	1	38	30	1842.	1842.
293	1	39	30	1842.	1842.
294	1	40	30	1842.	1842.
295	1	41	30	1842.	1842.
296	1	42	30	1842.	1842.
297	1	43	30	1842.	1842.
298	1	44	30	1842.	1842.
299	1	45	30	1842.	1842.
300	1	45	29	1841.	1841.
301	1	46	29	1841.	1841.
302	1	47	29	1841.	1841.
303	1	48	29	1841.	1841.
304	1	49	29	1841.	1841.
305	1	50	29	1841.	1841.
306	1	51	29	1841.	1841.
307	1	52	29	1841.	1841.
308	1	53	29	1841.	1841.
309	1	54	29	1841.	1841.
310	1	55	29	1841.	1841.
311	1	56	29	1841.	1841.
312	1	57	29	1841.	1841.
313	1	58	29	1841.	1841.
314	1	59	29	1840.	1840.
315	1	60	29	1840.	1840.
316	1	61	29	1840.	1840.
317	1	61	28	1840.	1840.
318	1	62	28	1840.	1840.
319	1	63	28	1840.	1840.
320	1	64	28	1840.	1840.
321	1	65	28	1840.	1840.
322	1	66	28	844.1	844.1
323	1	3	54	1691.	1691.
324	1	3	55	1813.	1813.
325	1	3	56	1813.	1813.
326	1	3	57	1813.	1813.
327	1	4	57	1813.	1813.
328	1	5	57	1813.	1813.
329	1	6	57	1812.	1812.
330	1	7	57	1812.	1812.
331	1	8	57	1812.	1812.
332	1	9	57	1812.	1812.
333	1	10	57	1812.	1812.
334	1	11	57	1812.	1812.
335	1	12	57	1812.	1812.
336	1	13	57	1812.	1812.
337	1	13	56	1812.	1812.
338	1	14	56	1812.	1812.
339	1	15	56	1812.	1812.
340	1	16	56	1811.	1811.
341	1	17	56	1811.	1811.
342	1	17	57	1811.	1811.
343	1	17	58	1811.	1811.
344	1	17	59	1811.	1811.
345	1	17	60	1811.	1811.
346	1	17	61	1811.	1811.

				BARRIER_LOWK.out	
347	1	17	62	1811.	1811.
348	1	17	63	1811.	1811.
349	1	17	64	1811.	1811.
350	1	17	65	1811.	1811.
351	1	17	66	1811.	1811.
352	1	17	67	1811.	1811.
353	1	18	67	1810.	1810.
354	1	18	68	1810.	1810.
355	1	18	69	1810.	1810.
356	1	18	70	1810.	1810.
357	1	18	71	1810.	1810.
358	1	18	72	1810.	1810.
359	1	18	73	1810.	1810.
360	1	18	74	27.60	27.60
361	1	83	36	112.0	112.0
362	1	84	36	1847.	1847.
363	1	85	36	1847.	1847.
364	1	86	36	1847.	1847.
365	1	87	36	1754.	1754.
366	1	87	46	1695.	1695.
367	1	88	46	1846.	1846.
368	1	89	46	1845.	1845.
369	1	90	46	1844.	1844.
370	1	91	46	1844.	1844.
371	1	92	46	1843.	1843.
372	1	93	46	1843.	1843.
373	1	94	46	1842.	1842.
374	1	95	46	1841.	1841.
375	1	96	46	1841.	1841.
376	1	97	46	1144.	1144.
377	1	47	93	701.2	701.2
378	1	47	92	1127.	1127.
379	1	48	92	1810.	1810.
380	1	48	91	1810.	1810.
381	1	48	90	1810.	1810.
382	1	49	90	1810.	1810.
383	1	49	89	1810.	1810.
384	1	50	89	1810.	1810.
385	1	50	88	1810.	1810.
386	1	51	88	1810.	1810.
387	1	51	87	1810.	1810.
388	1	51	86	1810.	1810.
389	1	52	86	1810.	1810.
390	1	52	85	1810.	1810.
391	1	53	85	1810.	1810.
392	1	53	84	1810.	1810.
393	1	53	83	1810.	1810.
394	1	54	83	1810.	1810.
395	1	54	82	1810.	1810.
396	1	55	82	1810.	1810.
397	1	55	81	1810.	1810.
398	1	56	81	1810.	1810.
399	1	57	81	1810.	1810.
400	1	58	81	1810.	1810.
401	1	59	81	1810.	1810.
402	1	60	81	1810.	1810.
403	1	61	81	1810.	1810.
404	1	62	81	1810.	1810.
405	1	63	81	1810.	1810.
406	1	64	81	1810.	1810.
407	1	65	81	1810.	1810.
408	1	66	81	1810.	1810.
409	1	67	81	1810.	1810.

				BARRIER_LOWK.out	
410	1	68	81	1810.	1810.
411	1	69	81	1810.	1810.
412	1	70	81	1810.	1810.
413	1	70	80	1810.	1810.
414	1	71	80	1810.	1810.
415	1	72	80	1810.	1810.
416	1	73	80	1810.	1810.
417	1	73	79	1810.	1810.
418	1	73	78	1810.	1810.
419	1	74	78	1810.	1810.
420	1	74	77	1810.	1810.
421	1	74	76	1810.	1810.
422	1	74	75	1810.	1810.
423	1	75	75	1810.	1810.
424	1	75	74	1810.	1810.
425	1	75	73	1810.	1810.
426	1	76	73	1810.	1810.
427	1	76	72	1810.	1810.
428	1	76	71	1810.	1810.
429	1	77	71	1810.	1810.
430	1	77	70	1810.	1810.
431	1	77	69	1810.	1810.
432	1	77	68	1810.	1810.
433	1	77	67	1810.	1810.
434	1	76	67	1810.	1810.
435	1	76	66	1810.	1810.
436	1	75	66	1810.	1810.
437	1	75	65	1810.	1810.
438	1	74	65	1810.	1810.
439	1	73	65	1810.	1810.
440	1	73	64	1810.	1810.
441	1	72	64	1810.	1810.
442	1	72	63	1810.	1810.
443	1	72	62	1810.	1810.
444	1	73	62	1810.	1810.
445	1	73	61	1810.	1810.
446	1	74	61	1810.	1810.
447	1	75	61	1810.	1810.
448	1	76	61	1810.	1810.
449	1	76	60	1810.	1810.
450	1	77	60	1810.	1810.
451	1	78	60	1810.	1810.
452	1	78	59	1810.	1810.
453	1	79	59	1810.	1810.
454	1	80	59	1810.	1810.
455	1	81	59	1810.	1810.
456	1	81	58	1810.	1810.
457	1	82	58	1810.	1810.
458	1	83	58	1810.	1810.
459	1	83	57	1810.	1810.
460	1	84	57	1810.	1810.
461	1	84	56	1810.	1810.
462	1	84	55	1810.	1810.
463	1	85	55	1810.	1810.
464	1	85	54	1810.	1810.
465	1	85	53	1810.	1810.
466	1	85	52	1810.	1810.
467	1	85	51	1810.	1810.
468	1	86	51	1810.	1810.
469	1	86	50	1810.	1810.
470	1	86	49	1810.	1810.
471	1	86	48	1810.	1810.
472	1	86	47	1810.	1810.

				BARRIER_LOWK.out	
473	1	87	47	1810.	1810.
474	1	87	46	148.7	148.7
475	1	2	14	533.9	533.9
476	1	2	15	1203.	1203.
477	1	2	16	1810.	1810.
478	1	2	17	1810.	1810.
479	1	2	18	1810.	1810.
480	1	2	19	1810.	1810.
481	1	2	20	1810.	1810.
482	1	2	21	1810.	1810.
483	1	2	22	1810.	1810.
484	1	2	23	1810.	1810.
485	1	2	24	1810.	1810.
486	1	2	25	1810.	1810.
487	1	2	26	1810.	1810.
488	1	2	27	1810.	1810.
489	1	2	28	1810.	1810.
490	1	2	29	1810.	1810.
491	1	2	30	1810.	1810.
492	1	2	31	1810.	1810.
493	1	2	32	1810.	1810.
494	1	2	33	1810.	1810.
495	1	2	34	1810.	1810.
496	1	3	34	1810.	1810.
497	1	3	35	1810.	1810.
498	1	3	36	1810.	1810.
499	1	3	37	1810.	1810.
500	1	3	38	1810.	1810.
501	1	3	39	1810.	1810.
502	1	3	40	1810.	1810.
503	1	3	41	1810.	1810.
504	1	3	42	1810.	1810.
505	1	3	43	1810.	1810.
506	1	3	44	1810.	1810.
507	1	3	45	1810.	1810.
508	1	3	46	1810.	1810.
509	1	3	47	1810.	1810.
510	1	3	48	1810.	1810.
511	1	3	49	1810.	1810.
512	1	3	50	1810.	1810.
513	1	3	51	1810.	1810.
514	1	3	52	1810.	1810.
515	1	3	53	1810.	1810.
516	1	3	54	121.8	121.8
517	1	2	14	1276.	1276.
518	1	2	15	606.8	606.8
519	1	3	15	1810.	1810.
520	1	4	15	1810.	1810.
521	1	4	16	1810.	1810.
522	1	5	16	1810.	1810.
523	1	6	16	1810.	1810.
524	1	6	17	1810.	1810.
525	1	7	17	1810.	1810.
526	1	8	17	1810.	1810.
527	1	8	18	1810.	1810.
528	1	9	18	1810.	1810.
529	1	9	19	1810.	1810.
530	1	10	19	1810.	1810.
531	1	11	19	1810.	1810.
532	1	11	20	1810.	1810.
533	1	12	20	1810.	1810.
534	1	13	20	1810.	1810.
535	1	13	21	1810.	1810.

				BARRIER_LOWK.out	
536	1	14	21	1810.	1810.
537	1	15	21	1810.	1810.
538	1	15	22	1810.	1810.
539	1	16	22	1810.	1810.
540	1	17	22	1810.	1810.
541	1	17	23	1810.	1810.
542	1	18	23	1810.	1810.
543	1	18	24	1810.	1810.
544	1	19	24	1810.	1810.
545	1	20	24	1810.	1810.
546	1	20	25	1810.	1810.
547	1	21	25	1810.	1810.
548	1	22	25	1810.	1810.
549	1	22	26	1810.	1810.
550	1	23	26	1810.	1810.
551	1	24	26	1810.	1810.
552	1	24	27	1739.	1739.
553	1	87	36	92.03	92.03
554	1	88	36	1810.	1810.
555	1	88	37	1810.	1810.
556	1	89	37	1810.	1810.
557	1	89	38	1810.	1810.
558	1	90	38	1810.	1810.
559	1	90	39	1810.	1810.
560	1	91	39	1810.	1810.
561	1	91	40	1810.	1810.
562	1	92	40	1810.	1810.
563	1	92	41	1810.	1810.
564	1	93	41	1810.	1810.
565	1	93	42	1810.	1810.
566	1	94	42	1810.	1810.
567	1	94	43	1810.	1810.
568	1	95	43	1810.	1810.
569	1	95	44	1810.	1810.
570	1	96	44	1810.	1810.
571	1	96	45	1810.	1810.
572	1	97	45	1810.	1810.
573	1	97	46	684.8	684.8
574	1	18	74	1782.	1782.
575	1	19	74	1810.	1810.
576	1	19	75	1810.	1810.
577	1	20	75	1810.	1810.
578	1	21	75	1810.	1810.
579	1	21	76	1810.	1810.
580	1	22	76	1810.	1810.
581	1	22	77	1810.	1810.
582	1	23	77	1810.	1810.
583	1	24	77	1810.	1810.
584	1	24	78	1810.	1810.
585	1	25	78	1810.	1810.
586	1	25	79	1810.	1810.
587	1	26	79	1810.	1810.
588	1	27	79	1810.	1810.
589	1	27	80	1810.	1810.
590	1	28	80	1810.	1810.
591	1	29	80	1810.	1810.
592	1	29	81	1810.	1810.
593	1	30	81	1810.	1810.
594	1	30	82	1810.	1810.
595	1	31	82	1810.	1810.
596	1	32	82	1810.	1810.
597	1	32	83	1810.	1810.
598	1	33	83	1810.	1810.

				BARRIER_LOWK.out	
599	1	33	84	1810.	1810.
600	1	34	84	1810.	1810.
601	1	35	84	1810.	1810.
602	1	35	85	1810.	1810.
603	1	36	85	1810.	1810.
604	1	36	86	1810.	1810.
605	1	37	86	1810.	1810.
606	1	38	86	1810.	1810.
607	1	38	87	1810.	1810.
608	1	39	87	1810.	1810.
609	1	39	88	1810.	1810.
610	1	40	88	1810.	1810.
611	1	41	88	1810.	1810.
612	1	41	89	1810.	1810.
613	1	42	89	1810.	1810.
614	1	42	90	1810.	1810.
615	1	43	90	1810.	1810.
616	1	44	90	1810.	1810.
617	1	44	91	1810.	1810.
618	1	45	91	1810.	1810.
619	1	45	92	1810.	1810.
620	1	46	92	1810.	1810.
621	1	47	92	683.2	683.2
622	1	47	93	1109.	1109.
623	1	66	28	979.7	979.7
624	1	66	29	1810.	1810.
625	1	66	30	1810.	1810.
626	1	66	31	1810.	1810.
627	1	66	32	1810.	1810.
628	1	66	33	1810.	1810.
629	1	66	34	1810.	1810.
630	1	66	35	1810.	1810.
631	1	66	36	1810.	1810.
632	1	66	37	1810.	1810.
633	1	67	37	1810.	1810.
634	1	68	37	1810.	1810.
635	1	69	37	1810.	1810.
636	1	70	37	1810.	1810.
637	1	71	37	1810.	1810.
638	1	72	37	1810.	1810.
639	1	72	36	1810.	1810.
640	1	73	36	1810.	1810.
641	1	74	36	1810.	1810.
642	1	75	36	1810.	1810.
643	1	76	36	1810.	1810.
644	1	77	36	1810.	1810.
645	1	78	36	1810.	1810.
646	1	79	36	1810.	1810.
647	1	80	36	1810.	1810.
648	1	81	36	1810.	1810.
649	1	82	36	1810.	1810.
650	1	83	36	1700.	1700.
651	1	24	27	70.96	70.96
652	1	25	27	1810.	1810.
653	1	26	27	1810.	1810.
654	1	26	28	1810.	1810.
655	1	27	28	1810.	1810.
656	1	27	29	1810.	1810.
657	1	28	29	1810.	1810.
658	1	29	29	1810.	1810.
659	1	29	30	1810.	1810.
660	1	30	30	1810.	1810.
661	1	31	30	1810.	1810.

				BARRIER_LOWK.out	
662	1	32	30	1810.	1810.
663	1	33	30	1810.	1810.
664	1	34	30	1810.	1810.
665	1	35	30	1810.	1810.
666	1	36	30	1810.	1810.
667	1	37	30	1810.	1810.
668	1	38	30	1810.	1810.
669	1	39	30	1810.	1810.
670	1	40	30	1810.	1810.
671	1	41	30	1810.	1810.
672	1	42	30	1810.	1810.
673	1	43	30	1810.	1810.
674	1	44	30	1810.	1810.
675	1	45	30	1810.	1810.
676	1	45	29	1810.	1810.
677	1	46	29	1810.	1810.
678	1	47	29	1810.	1810.
679	1	48	29	1810.	1810.
680	1	49	29	1810.	1810.
681	1	50	29	1810.	1810.
682	1	51	29	1810.	1810.
683	1	52	29	1810.	1810.
684	1	53	29	1810.	1810.
685	1	54	29	1810.	1810.
686	1	55	29	1810.	1810.
687	1	56	29	1810.	1810.
688	1	57	29	1810.	1810.
689	1	58	29	1810.	1810.
690	1	59	29	1810.	1810.
691	1	60	29	1810.	1810.
692	1	61	29	1810.	1810.
693	1	61	28	1810.	1810.
694	1	62	28	1810.	1810.
695	1	63	28	1810.	1810.
696	1	64	28	1810.	1810.
697	1	65	28	1810.	1810.
698	1	66	28	830.3	830.3
699	1	3	54	1688.	1688.
700	1	3	55	1810.	1810.
701	1	3	56	1810.	1810.
702	1	3	57	1810.	1810.
703	1	4	57	1810.	1810.
704	1	5	57	1810.	1810.
705	1	6	57	1810.	1810.
706	1	7	57	1810.	1810.
707	1	8	57	1810.	1810.
708	1	9	57	1810.	1810.
709	1	10	57	1810.	1810.
710	1	11	57	1810.	1810.
711	1	12	57	1810.	1810.
712	1	13	57	1810.	1810.
713	1	13	56	1810.	1810.
714	1	14	56	1810.	1810.
715	1	15	56	1810.	1810.
716	1	16	56	1810.	1810.
717	1	17	56	1810.	1810.
718	1	17	57	1810.	1810.
719	1	17	58	1810.	1810.
720	1	17	59	1810.	1810.
721	1	17	60	1810.	1810.
722	1	17	61	1810.	1810.
723	1	17	62	1810.	1810.
724	1	17	63	1810.	1810.

				BARRIER_LOWK.out	
725	1	17	64	1810.	1810.
726	1	17	65	1810.	1810.
727	1	17	66	1810.	1810.
728	1	17	67	1810.	1810.
729	1	18	67	1810.	1810.
730	1	18	68	1810.	1810.
731	1	18	69	1810.	1810.
732	1	18	70	1810.	1810.
733	1	18	71	1810.	1810.
734	1	18	72	1810.	1810.
735	1	18	73	1810.	1810.
736	1	18	74	27.60	27.60
737	1	83	36	109.7	109.7
738	1	84	36	1810.	1810.
739	1	85	36	1810.	1810.
740	1	86	36	1810.	1810.
741	1	87	36	1718.	1718.
742	1	87	46	1661.	1661.
743	1	88	46	1810.	1810.
744	1	89	46	1810.	1810.
745	1	90	46	1810.	1810.
746	1	91	46	1810.	1810.
747	1	92	46	1810.	1810.
748	1	93	46	1810.	1810.
749	1	94	46	1810.	1810.
750	1	95	46	1810.	1810.
751	1	96	46	1810.	1810.
752	1	97	46	1125.	1125.

752 TIME-VARIANT SPECIFIED-HEAD CELLS

SOLVING FOR HEAD

OUTPUT CONTROL FOR STRESS PERIOD 1 TIME STEP 1

PRINT BUDGET

SAVE HEAD FOR ALL LAYERS

SAVE BUDGET

UBDSV2	SAVING	"	CONSTANT HEAD"	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV1	SAVING	"	FLOW RIGHT FACE "	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV1	SAVING	"	FLOW FRONT FACE "	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV1	SAVING	"	FLOW LOWER FACE "	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV4	SAVING	"	WELLS"	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV4	SAVING	"	DRAINS"	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV3	SAVING	"	ET"	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV4	SAVING	"	HEAD DEP BOUNDS"	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1
UBDSV3	SAVING	"	RECHARGE"	ON UNIT	40	AT TIME STEP	1,	STRESS PERIOD	1

Link-MT3DMS Package

OPENING LINK-MT3DMS OUTPUT FILE: BARRIER_LOWK.hff

ON UNIT NUMBER: 333

FILE TYPE: UNFORMATTED

HEADER OPTION: STANDARD

Link-MT3DMS Package

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

HEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP 1, STRESS PERIOD 1
 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 =	1616.9885	CONSTANT HEAD =	1616.9885
WELLS =	0.0000	WELLS =	0.0000
DRAINS =	0.0000	DRAINS =	0.0000
ET =	0.0000	ET =	0.0000
HEAD DEP BOUNDS =	3236.7483	HEAD DEP BOUNDS =	3236.7483
RECHARGE =	964420.4375	RECHARGE =	964420.4375
TOTAL IN =	969274.1875	TOTAL IN =	969274.1875
OUT:		OUT:	
----		----	
STORAGE =	0.0000	STORAGE =	0.0000
CONSTANT HEAD =	948775.0625	CONSTANT HEAD =	948775.0625
WELLS =	3100.0000	WELLS =	3100.0000
DRAINS =	17242.0234	DRAINS =	17242.0234
ET =	1.0073	ET =	1.0073
HEAD DEP BOUNDS =	107.2312	HEAD DEP BOUNDS =	107.2312
RECHARGE =	0.0000	RECHARGE =	0.0000
TOTAL OUT =	969225.3125	TOTAL OUT =	969225.3125
IN - OUT =	48.8750	IN - OUT =	48.8750
PERCENT DISCREPANCY =	0.01	PERCENT DISCREPANCY =	0.01

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

1

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

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

BARRIER_LOWK.out

1 84 40
 1 84 39
 1 84 38
 1 84 37
 12 OF THE 12 REACHES OR CELLS USED TO SIMULATE THE GAIN OR LOSS ARE
 AFFECTED.

OBS# 9, ID no_drnf1 , TIME STEP 1
 LAYER ROW COLUMN
 1 4 53
 1 5 53
 1 5 52
 1 7 52
 1 9 51
 1 11 50
 1 13 49
 1 18 43
 1 19 43
 1 20 43
 1 21 43
 1 21 44
 12 OF THE 31 REACHES OR CELLS USED TO SIMULATE THE GAIN OR LOSS ARE
 AFFECTED.

OBS# 10, ID no_drnf2 , TIME STEP 1
 LAYER ROW COLUMN
 1 21 44
 1 22 44
 1 22 43
 1 22 42
 1 22 41
 1 22 40
 1 23 40
 1 23 39
 1 23 38
 1 23 37
 1 23 36
 1 23 35
 1 23 34
 1 24 34
 1 24 33
 1 24 32
 1 24 31
 1 24 30
 1 24 29
 1 24 28
 20 OF THE 20 REACHES OR CELLS USED TO SIMULATE THE GAIN OR LOSS ARE
 AFFECTED.

DATA AT HEAD LOCATIONS

OBS#	OBSERVATION NAME	OBSER- VATION *	SIMUL. EQUIV. *	RESIDUAL	WEIGHT**.5	WEIGHTED RESIDUAL
1	hed1	0.369E+04	0.369E+04	-5.24	0.653	-3.42
2	hed2	0.370E+04	0.370E+04	-2.19	0.653	-1.43
3	hed3	0.370E+04	0.370E+04	-1.26	0.653	-0.822
4	hed4	0.370E+04	0.370E+04	3.60	0.653	2.35
5	hed5	0.371E+04	0.370E+04	3.89	0.653	2.54
6	hed6	0.370E+04	0.370E+04	-1.05	0.653	-0.686
7	hed7	0.360E+04	0.360E+04	0.626	0.653	0.409

* THE OBSERVATION (AND CORRESPONDING SIMULATED EQUIVALENT) IS HEAD OR TEMPORAL
 Page 399

BARRIER_LOWK.out

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

STATISTICS FOR HEAD RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL : 2.54 OBS# 5
 MINIMUM WEIGHTED RESIDUAL : -3.42 OBS# 1
 AVERAGE WEIGHTED RESIDUAL :-0.151
 # RESIDUALS >= 0. : 3
 # RESIDUALS < 0. : 4
 NUMBER OF RUNS : 4 IN 7 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS (HEADS ONLY) 27.038

DATA FOR FLOWS REPRESENTED USING THE DRAIN PACKAGE

OBS#	OBSERVATION NAME	MEAS. FLOW	CALC. FLOW	RESIDUAL	WEIGHT**.5	WEIGHTED RESIDUAL
8	no_drnf0	1.00	0.00	1.00	0.100E-18	0.100E-18
9	no_drnf1	1.00	-0.172E+05	0.172E+05	0.100E-18	0.172E-14
10	no_drnf2	1.00	0.00	1.00	0.100E-18	0.100E-18

STATISTICS FOR DRAIN FLOW RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL : 0.172E-14 OBS# 9
 MINIMUM WEIGHTED RESIDUAL : 0.100E-18 OBS# 8
 AVERAGE WEIGHTED RESIDUAL : 0.575E-15
 # RESIDUALS >= 0. : 3
 # RESIDUALS < 0. : 0
 NUMBER OF RUNS: 1 IN 3 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS (DRAIN FLOWS ONLY) 0.29732E-29

DATA FOR FLOWS REPRESENTED USING THE GENERAL-HEAD BOUNDARY PACKAGE

OBS#	OBSERVATION NAME	MEAS. FLOW	CALC. FLOW	RESIDUAL	WEIGHT**.5	WEIGHTED RESIDUAL
11	no_ghbf0	1.00	318.	-317.	0.100E-18	-0.317E-16
12	no_ghbf1	1.00	0.147E+04	-0.146E+04	0.100E-18	-0.146E-15
13	no_ghbf2	1.00	0.123E+04	-0.123E+04	0.100E-18	-0.123E-15
14	no_ghbf3	1.00	112.	-111.	0.100E-18	-0.111E-16

STATISTICS FOR GENERAL-HEAD BOUNDARY FLOW RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL :-0.111E-16 OBS# 14
 MINIMUM WEIGHTED RESIDUAL :-0.146E-15 OBS# 12
 AVERAGE WEIGHTED RESIDUAL :-0.781E-16
 # RESIDUALS >= 0. : 0
 # RESIDUALS < 0. : 4
 NUMBER OF RUNS: 1 IN 4 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS
 (GENERAL-HEAD BOUNDARY FLOWS ONLY) 0.37792E-31

DATA FOR FLOW OBSERVATIONS AT BOUNDARIES REPRESENTED AS CONSTANT-HEAD

OBS#	OBSERVATION NAME	MEAS. FLOW	CALC. FLOW	RESIDUAL	WEIGHT**.5	WEIGHTED RESIDUAL
15	no_chdf0	1.00	-0.133E+06	0.133E+06	0.100E-18	0.133E-13
16	no_chdf1	1.00	-0.171E+04	0.171E+04	0.100E-18	0.171E-15
17	no_chdf2	1.00	-0.268E+04	0.268E+04	0.100E-18	0.268E-15
18	no_chdf3	1.00	-0.437E+05	0.437E+05	0.100E-18	0.437E-14
19	no_chdf4	1.00	-0.121E+05	0.121E+05	0.100E-18	0.121E-14

BARRIER_LOWK.out						
20	no_chdf5	1.00	-0.323E+04	0.323E+04	0.100E-18	0.323E-15
21	no_chdf6	1.00	-0.111E+06	0.111E+06	0.100E-18	0.111E-13
22	no_chdf7	1.00	-0.355E+05	0.355E+05	0.100E-18	0.355E-14
23	no_chdf8	1.00	-0.679E+05	0.679E+05	0.100E-18	0.679E-14
24	no_chdf9	1.00	-0.632E+05	0.632E+05	0.100E-18	0.632E-14
25	no_chdf10	1.00	-0.133E+06	0.133E+06	0.100E-18	0.133E-13
26	no_chdf11	1.00	-0.168E+04	0.168E+04	0.100E-18	0.168E-15
27	no_chdf12	1.00	-0.262E+04	0.263E+04	0.100E-18	0.263E-15
28	no_chdf13	1.00	-0.433E+05	0.433E+05	0.100E-18	0.433E-14
29	no_chdf14	1.00	-0.119E+05	0.119E+05	0.100E-18	0.119E-14
30	no_chdf15	1.00	-0.317E+04	0.317E+04	0.100E-18	0.317E-15
31	no_chdf16	1.00	-0.112E+06	0.112E+06	0.100E-18	0.112E-13
32	no_chdf17	1.00	-0.349E+05	0.349E+05	0.100E-18	0.349E-14
33	no_chdf18	1.00	-0.667E+05	0.667E+05	0.100E-18	0.667E-14
34	no_chdf19	1.00	-0.632E+05	0.632E+05	0.100E-18	0.632E-14

STATISTICS FOR CONSTANT-HEAD BOUNDARY FLOW RESIDUALS :

MAXIMUM WEIGHTED RESIDUAL : 0.133E-13 OBS# 25
MINIMUM WEIGHTED RESIDUAL : 0.168E-15 OBS# 26
AVERAGE WEIGHTED RESIDUAL : 0.474E-14

RESIDUALS >= 0. : 20

RESIDUALS < 0. : 0

NUMBER OF RUNS : 1 IN 20 OBSERVATIONS

SUM OF SQUARED WEIGHTED RESIDUALS

(CONSTANT-HEAD BOUNDARY FLOWS ONLY) 0.84053E-27

SUM OF SQUARED WEIGHTED RESIDUALS (ALL DEPENDENT VARIABLES) 27.038

STATISTICS FOR ALL RESIDUALS :

AVERAGE WEIGHTED RESIDUAL :-0.312E-01

RESIDUALS >= 0. : 26

RESIDUALS < 0. : 8

NUMBER OF RUNS : 6 IN 34 OBSERVATIONS

INTERPRETING THE CALCULATED RUNS STATISTIC VALUE OF -3.30

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: 34

-3.42	-1.43	-0.822	-0.686	-0.146E-15	-0.123E-15	-0.317E-16
-0.111E-16	0.100E-18	0.100E-18	0.168E-15	0.171E-15	0.263E-15	0.268E-15
0.317E-15	0.323E-15	0.119E-14	0.121E-14	0.172E-14	0.349E-14	0.355E-14
0.433E-14	0.437E-14	0.632E-14	0.632E-14	0.667E-14	0.679E-14	0.111E-13
0.112E-13	0.133E-13	0.133E-13	0.409	2.35	2.54	

CORRELATION BETWEEN ORDERED WEIGHTED RESIDUALS AND NORMAL ORDER STATISTICS
FOR OBSERVATIONS = 0.551

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

Generally, IF the reported CORRELATION is LESS than the critical value, at the selected significance level (usually 5 or 10%), the hypothesis that the weighted residuals are INDEPENDENT AND NORMALLY DISTRIBUTED would be REJECTED. HOWEVER, in this case, conditions are outside of the range of published critical values as discussed below.

The sum of the number of observations and prior information items is 34 which is less than 35, the minimum value for which critical values are published. Therefore, the critical values for the 5 and 10% significance levels are less than 0.943 and 0.952, respectively.

CORRELATIONS GREATER than these critical values indicate that, probably, the weighted residuals ARE INDEPENDENT AND NORMALLY DISTRIBUTED.

Correlations LESS than these critical values MAY BE ACCEPTABLE, and rejection of the hypothesis is not necessarily warranted.

The Kolmogorov-Smirnov test can be used to further evaluate the residuals.

BARRIER_LOWK.pcg

25 50 1
0.1 0.1 1.0 0 0 2 1.0

BARRIER_LOWK.pes

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

BARRIER_LOWK.rch

#GMS_HDF5_01

3 40

1 1

HDF5 1.0 -1 "BARRIER_LOWK.h5" "Recharge/07. Property" 3 0 1 0 10000 0 1

barrier_lowk.rec

PEST RUN RECORD: CASE barrier_lowk

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	:	34
Number of prior estimates	:	0

Model command line(s):-

start /w /min BARRIER_LOWK_bat1.bat

Jacobian command line:-

na

Model interface files:-

Templates:

BARRIER_LOWK.tpl_1
for model input files:
BARRIER_LOWK.snn_1

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

Instruction files:

BARRIER_LOWK.ins
for reading model output files:
BARRIER_LOWK._os

PEST-to-model message file:-

na

Derivatives calculation:-

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

Parameter definitions:-

Name	Trans-formation	Change limit	Initial value	Lower bound	Upper bound
hk_100	log	factor	1.40000	1.000000E-03	20.0000
ghb_300	none	factor	0.100000	1.000000E-03	1000.00

ghb_400	none	barrier_lowk.rec factor	0.100000	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	0.6533	head
hed2	3698.05	0.6533	head
hed3	3696.72	0.6533	head
hed4	3700.85	0.6533	head
hed5	3706.41	0.6533	head
hed6	3702.56	0.6533	head
hed7	3604.85	0.6533	head
no_drnf0	1.00000	1.0000E-19	drain
no_drnf1	1.00000	1.0000E-19	drain
no_drnf2	1.00000	1.0000E-19	drain
no_ghbf0	1.00000	1.0000E-19	ghb
no_ghbf1	1.00000	1.0000E-19	ghb
no_ghbf2	1.00000	1.0000E-19	ghb
no_ghbf3	1.00000	1.0000E-19	ghb
no_chdf0	1.00000	1.0000E-19	const_head
no_chdf1	1.00000	1.0000E-19	const_head
no_chdf2	1.00000	1.0000E-19	const_head
no_chdf3	1.00000	1.0000E-19	const_head
no_chdf4	1.00000	1.0000E-19	const_head
no_chdf5	1.00000	1.0000E-19	const_head
no_chdf6	1.00000	1.0000E-19	const_head
no_chdf7	1.00000	1.0000E-19	const_head
no_chdf8	1.00000	1.0000E-19	const_head
no_chdf9	1.00000	1.0000E-19	const_head
no_chdf10	1.00000	1.0000E-19	const_head
no_chdf11	1.00000	1.0000E-19	const_head
no_chdf12	1.00000	1.0000E-19	const_head
no_chdf13	1.00000	1.0000E-19	const_head
no_chdf14	1.00000	1.0000E-19	const_head
no_chdf15	1.00000	1.0000E-19	const_head
no_chdf16	1.00000	1.0000E-19	const_head
no_chdf17	1.00000	1.0000E-19	const_head
no_chdf18	1.00000	1.0000E-19	const_head
no_chdf19	1.00000	1.0000E-19	const_head

Control settings:-

Initial lambda	:	10.000
Lambda adjustment factor	:	2.0000
Sufficient new/old phi ratio per optimisation iteration	:	0.30000
Limiting relative phi reduction between lambdas	:	3.00000E-02
Maximum trial lambdas per iteration	:	10
Maximum factor parameter change (factor-limited changes)	:	5.0000
Maximum relative parameter change (relative-limited changes)	:	na
Fraction of initial parameter values used in computing	:	

```

                                barrier_lowk.rec
change limit for near-zero parameters      : 1.00000E-03
Allow bending of parameter upgrade vector  : no
Allow parameters to stick to their bounds   : no

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

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

Attempt automatic user intervention : no

```

OPTIMISATION RECORD

INITIAL CONDITIONS:

```

Sum of squared weighted residuals (ie phi) = 107.91
Contribution to phi from observation group "head" = 107.91
Contribution to phi from observation group "drain" = 2.97335E-30
Contribution to phi from observation group "ghb" = 3.60348E-32
Contribution to phi from observation group "const_head" = 8.40531E-28

```

Current parameter values

```

hk_100      1.40000
ghb_300     0.100000
ghb_400     0.100000

```

```

OPTIMISATION ITERATION NO. : 1
Model calls so far : 1
Starting phi for this iteration : 107.91
Contribution to phi from observation group "head" : 107.91
Contribution to phi from observation group "drain" : 2.97335E-30
Contribution to phi from observation group "ghb" : 3.60348E-32
Contribution to phi from observation group "const_head" : 8.40531E-28

```

```

Lambda = 10.000 ----->
Phi = 40.060 ( 0.371 of starting phi)

```

```

Lambda = 5.0000 ----->
Phi = 40.035 ( 0.371 of starting phi)

```

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 40.035

Current parameter values		Previous parameter values	
hk_100	1.68579	hk_100	1.40000
ghb_300	0.199510	ghb_300	0.100000
ghb_400	0.178145	ghb_400	0.100000
Maximum factor change:	1.995	["ghb_300"]	
Maximum relative change:	0.9951	["ghb_300"]	

```

OPTIMISATION ITERATION NO. : 2
Model calls so far : 6
Starting phi for this iteration : 40.035

```

```

                                barrier_lowk.rec
Contribution to phi from observation group "head"      : 40.035
Contribution to phi from observation group "drain"     : 2.97337E-30
Contribution to phi from observation group "ghb"       : 4.16321E-32
Contribution to phi from observation group "const_head": 8.40532E-28

```

```

Lambda = 2.5000 ----->
Phi = 32.665 ( 0.816 of starting phi)

```

```

Lambda = 1.2500 ----->
Phi = 31.784 ( 0.794 of starting phi)

```

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 31.784

Current parameter values		Previous parameter values	
hk_100	1.79016	hk_100	1.68579
ghb_300	0.268927	ghb_300	0.199510
ghb_400	0.347458	ghb_400	0.178145
Maximum factor change:	1.950	["ghb_400"]	
Maximum relative change:	0.9504	["ghb_400"]	

```

OPTIMISATION ITERATION NO.      : 3
Model calls so far              : 11
Starting phi for this iteration  : 31.784
Contribution to phi from observation group "head"      : 31.784
Contribution to phi from observation group "drain"     : 2.97326E-30
Contribution to phi from observation group "ghb"       : 4.29084E-32
Contribution to phi from observation group "const_head": 8.40532E-28

```

```

Lambda = 0.62500 ----->
Phi = 30.778 ( 0.968 of starting phi)

```

```

Lambda = 0.31250 ----->
Phi = 30.706 ( 0.966 of starting phi)

```

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 30.706
Relative phi reduction between optimisation iterations less than 0.1000
Switch to central derivatives calculation

Current parameter values		Previous parameter values	
hk_100	1.73719	hk_100	1.79016
ghb_300	0.270174	ghb_300	0.268927
ghb_400	0.489170	ghb_400	0.347458
Maximum factor change:	1.408	["ghb_400"]	
Maximum relative change:	0.4079	["ghb_400"]	

```

OPTIMISATION ITERATION NO.      : 4
Model calls so far              : 16
Starting phi for this iteration  : 30.706
Contribution to phi from observation group "head"      : 30.706
Contribution to phi from observation group "drain"     : 2.97322E-30
Contribution to phi from observation group "ghb"       : 4.19681E-32
Contribution to phi from observation group "const_head": 8.40532E-28

```

```

Lambda = 0.15625 ----->
Phi = 35.399 ( 1.153 times starting phi)

```

```

Lambda = 7.81250E-02 ----->
Phi = 35.962 ( 1.171 times starting phi)

```

```

                                barrier_lowk.rec
Lambda = 0.31250 ----->
Phi = 34.769 ( 1.132 times starting phi)

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 34.769

```

Current parameter values		Previous parameter values	
hk_100	1.43101	hk_100	1.73719
ghb_300	0.203631	ghb_300	0.270174
ghb_400	2.44585	ghb_400	0.489170
Maximum factor change:	5.000	["ghb_400"]	
Maximum relative change:	4.000	["ghb_400"]	

```

OPTIMISATION ITERATION NO.      :    5
Model calls so far              :   25
Starting phi for this iteration  :   34.769
Contribution to phi from observation group "head"      :   34.769
Contribution to phi from observation group "drain"     :  2.97322E-30
Contribution to phi from observation group "ghb"       :  3.76722E-32
Contribution to phi from observation group "const_head":  8.40531E-28

```

```

Lambda = 0.31250 ----->
Phi = 31.118 ( 0.895 of starting phi)

```

```

Lambda = 0.15625 ----->
Phi = 32.854 ( 0.945 of starting phi)

```

```

Lambda = 0.62500 ----->
Phi = 29.199 ( 0.840 of starting phi)

```

```

Lambda = 1.2500 ----->
Phi = 28.949 ( 0.833 of starting phi)

```

```

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 28.949

```

Current parameter values		Previous parameter values	
hk_100	1.56274	hk_100	1.43101
ghb_300	0.187416	ghb_300	0.203631
ghb_400	6.68311	ghb_400	2.44585
Maximum factor change:	2.732	["ghb_400"]	
Maximum relative change:	1.732	["ghb_400"]	

```

OPTIMISATION ITERATION NO.      :    6
Model calls so far              :   35
Starting phi for this iteration  :   28.949
Contribution to phi from observation group "head"      :   28.949
Contribution to phi from observation group "drain"     :  2.97321E-30
Contribution to phi from observation group "ghb"       :  3.75678E-32
Contribution to phi from observation group "const_head":  8.40531E-28

```

```

Lambda = 1.2500 ----->
Phi = 27.931 ( 0.965 of starting phi)

```

```

Lambda = 0.62500 ----->
Phi = 28.483 ( 0.984 of starting phi)

```

```

Lambda = 2.5000 ----->
Phi = 27.277 ( 0.942 of starting phi)

```

```

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

```

barrier_lowk.rec
Lowest phi this iteration: 27.277

Current parameter values		Previous parameter values	
hk_100	1.68514	hk_100	1.56274
ghb_300	0.152893	ghb_300	0.187416
ghb_400	33.4156	ghb_400	6.68311
Maximum factor change:	5.000	["ghb_400"]	
Maximum relative change:	4.000	["ghb_400"]	

OPTIMISATION ITERATION NO. : 7
Model calls so far : 44
Starting phi for this iteration : 27.277
Contribution to phi from observation group "head" : 27.277
Contribution to phi from observation group "drain" : 2.97322E-30
Contribution to phi from observation group "ghb" : 3.67995E-32
Contribution to phi from observation group "const_head" : 8.40531E-28

Lambda = 2.5000 ----->
Phi = 27.111 (0.994 of starting phi)

Lambda = 1.2500 ----->
Phi = 27.154 (0.995 of starting phi)

Lambda = 5.0000 ----->
Phi = 27.062 (0.992 of starting phi)

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 27.062

Current parameter values		Previous parameter values	
hk_100	1.73279	hk_100	1.68514
ghb_300	0.145608	ghb_300	0.152893
ghb_400	167.078	ghb_400	33.4156
Maximum factor change:	5.000	["ghb_400"]	
Maximum relative change:	4.000	["ghb_400"]	

OPTIMISATION ITERATION NO. : 8
Model calls so far : 53
Starting phi for this iteration : 27.062
Contribution to phi from observation group "head" : 27.062
Contribution to phi from observation group "drain" : 2.97322E-30
Contribution to phi from observation group "ghb" : 3.67334E-32
Contribution to phi from observation group "const_head" : 8.40532E-28

Lambda = 5.0000 ----->
Phi = 27.056 (1.000 of starting phi)

Lambda = 2.5000 ----->
Phi = 27.052 (1.000 of starting phi)

No more lambdas: relative phi reduction between lambdas less than 0.0300
Lowest phi this iteration: 27.052

Current parameter values		Previous parameter values	
hk_100	1.72424	hk_100	1.73279
ghb_300	0.153463	ghb_300	0.145608
ghb_400	207.789	ghb_400	167.078
Maximum factor change:	1.244	["ghb_400"]	
Maximum relative change:	0.2437	["ghb_400"]	

```

barrier_lowk.rec
OPTIMISATION ITERATION NO. : 9
Model calls so far : 61
Starting phi for this iteration : 27.052
Contribution to phi from observation group "head" : 27.052
Contribution to phi from observation group "drain" : 2.97322E-30
Contribution to phi from observation group "ghb" : 3.68629E-32
Contribution to phi from observation group "const_head" : 8.40531E-28

```

```

Lambda = 1.2500 ----->
Phi = 27.037 ( 0.999 of starting phi)

```

```

Lambda = 0.62500 ----->
Phi = 27.039 ( 1.000 of starting phi)

```

```

Lambda = 2.5000 ----->
Phi = 27.038 ( 1.000 of starting phi)

```

No more lambdas: phi rising
Lowest phi this iteration: 27.037

Current parameter values		Previous parameter values	
hk_100	1.71513	hk_100	1.72424
ghb_300	0.156498	ghb_300	0.153463
ghb_400	1000.00	ghb_400	207.789
Maximum factor change:	4.813	["ghb_400"]	
Maximum relative change:	3.813	["ghb_400"]	

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

Total model calls: 70

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

OPTIMISATION RESULTS

Parameters ----->

Parameter	Estimated value	95% percent confidence limits	
		lower limit	upper limit
hk_100	1.71513	1.29443	2.27254
ghb_300	0.156498	-0.109491	0.422487
ghb_400	1000.00	-18516.9	20516.9

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 barrier_lowk.sen for parameter sensitivities.

Observations ----->

Observation	Measured value	Calculated value	Residual	weight	Group
hed1	3689.73	3694.97	-5.23900	0.6533	head
hed2	3698.05	3700.24	-2.18600	0.6533	head
hed3	3696.72	3697.98	-1.25800	0.6533	head

Page 7

barrier_lowk.rec

hed4	3700.85	3697.26	3.59500	0.6533	head
hed5	3706.41	3702.52	3.88800	0.6533	head
hed6	3702.56	3703.61	-1.05000	0.6533	head
hed7	3604.85	3604.22	0.626000	0.6533	head
no_drnf0	1.00000	0.00000	1.00000	1.0000E-19	drain
no_drnf1	1.00000	-17242.0	17243.0	1.0000E-19	drain
no_drnf2	1.00000	0.00000	1.00000	1.0000E-19	drain
no_ghbf0	1.00000	317.805	-316.805	1.0000E-19	ghb
no_ghbf1	1.00000	1465.87	-1464.87	1.0000E-19	ghb
no_ghbf2	1.00000	1234.17	-1233.17	1.0000E-19	ghb
no_ghbf3	1.00000	111.665	-110.665	1.0000E-19	ghb
no_chdf0	1.00000	-133187.	133188.	1.0000E-19	
const_head					
no_chdf1	1.00000	-1711.24	1712.24	1.0000E-19	
const_head					
no_chdf2	1.00000	-2675.09	2676.09	1.0000E-19	
const_head					
no_chdf3	1.00000	-43654.8	43655.8	1.0000E-19	
const_head					
no_chdf4	1.00000	-12137.5	12138.5	1.0000E-19	
const_head					
no_chdf5	1.00000	-3228.31	3229.31	1.0000E-19	
const_head					
no_chdf6	1.00000	-111096.	111097.	1.0000E-19	
const_head					
no_chdf7	1.00000	-35496.3	35497.3	1.0000E-19	
const_head					
no_chdf8	1.00000	-67885.4	67886.4	1.0000E-19	
const_head					
no_chdf9	1.00000	-63217.2	63218.2	1.0000E-19	
const_head					
no_chdf10	1.00000	-133393.	133394.	1.0000E-19	
const_head					
no_chdf11	1.00000	-1676.78	1677.78	1.0000E-19	
const_head					
no_chdf12	1.00000	-2624.37	2625.37	1.0000E-19	
const_head					
no_chdf13	1.00000	-43338.9	43339.9	1.0000E-19	
const_head					
no_chdf14	1.00000	-11935.5	11936.5	1.0000E-19	
const_head					
no_chdf15	1.00000	-3167.38	3168.38	1.0000E-19	
const_head					
no_chdf16	1.00000	-111982.	111983.	1.0000E-19	
const_head					
no_chdf17	1.00000	-34856.1	34857.1	1.0000E-19	
const_head					
no_chdf18	1.00000	-66723.8	66724.8	1.0000E-19	
const_head					
no_chdf19	1.00000	-63171.6	63172.6	1.0000E-19	
const_head					

barrier_lowk.rec

See file barrier_lowk.res for more details of residuals in graph-ready format.

See file barrier_lowk.seo for composite observation sensitivities.

Objective function ----->

Sum of squared weighted residuals (ie phi)	=	27.04
Contribution to phi from observation group "head"	=	27.04
Contribution to phi from observation group "drain"	=	2.9732E-30
Contribution to phi from observation group "ghb"	=	3.7792E-32
Contribution to phi from observation group "const_head"	=	8.4053E-28

Correlation Coefficient ----->

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

Analysis of residuals ----->

All residuals:-

Number of residuals with non-zero weight	=	34
Mean value of non-zero weighted residuals	=	-3.1206E-02
Maximum weighted residual [observation "hed5"]	=	2.540
Minimum weighted residual [observation "hed1"]	=	-3.423
Standard variance of weighted residuals	=	0.8722
Standard error of weighted residuals	=	0.9339

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

Residuals for observation group "head":-

Number of residuals with non-zero weight	=	7
Mean value of non-zero weighted residuals	=	-0.1516
Maximum weighted residual [observation "hed5"]	=	2.540
Minimum weighted residual [observation "hed1"]	=	-3.423
"Variance" of weighted residuals	=	3.862
"Standard error" of weighted residuals	=	1.965

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

Residuals for observation group "drain":-

Number of residuals with non-zero weight	=	3
Mean value of non-zero weighted residuals	=	5.7483E-16
Maximum weighted residual [observation "no_drnf1"]	=	1.7243E-15
Minimum weighted residual [observation "no_drnf0"]	=	1.0000E-19
"Variance" of weighted residuals	=	9.9107E-31
"Standard error" of weighted residuals	=	9.9553E-16

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

Residuals for observation group "ghb":-

Number of residuals with non-zero weight	=	4
Mean value of non-zero weighted residuals	=	-7.8138E-17

	barrier_lowk.rec	
Maximum weighted residual	[observation "no_ghbf3"]	= -1.1067E-17
Minimum weighted residual	[observation "no_ghbf1"]	= -1.4649E-16
"Variance" of weighted residuals		= 9.4479E-33
"Standard error" of weighted residuals		= 9.7200E-17

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

Residuals for observation group "const_head":-

Number of residuals with non-zero weight	= 20
Mean value of non-zero weighted residuals	= 4.7359E-15
Maximum weighted residual [observation "no_chdf10"]	= 1.3339E-14
Minimum weighted residual [observation "no_chdf11"]	= 1.6778E-16
"Variance" of weighted residuals	= 4.2027E-29
"Standard error" of weighted residuals	= 6.4828E-15

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

Parameter covariance matrix ----->

	hk_100	ghb_300	ghb_400
hk_100	3.5895E-03	-6.5240E-03	-245.6
ghb_300	-6.5240E-03	1.7002E-02	300.0
ghb_400	-245.6	300.0	9.1538E+07

Parameter correlation coefficient matrix ----->

	hk_100	ghb_300	ghb_400
hk_100	1.000	-0.8351	-0.4284
ghb_300	-0.8351	1.000	0.2405
ghb_400	-0.4284	0.2405	1.000

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

	Vector_1	Vector_2	Vector_3
hk_100	0.9362	0.3514	-2.6827E-06
ghb_300	0.3514	-0.9362	3.2776E-06
ghb_400	1.3597E-06	4.0113E-06	1.000

Eigenvalues ----->

7.8386E-04	1.8166E-02	9.1538E+07
------------	------------	------------

BARRIER_LOWK.snn

3 0 0 3
0 0 0 0

HK_100 1 1 1.4 0.001 20.0 1.0
GHB_300 1 0 0.1 0.001 1000.0 1.0
GHB_400 1 0 0.1 0.001 1000.0 1.0

BARRIER_LOWK.well

#GMS_HDF5_01

5458 40 AUX IFACE AUX QFACT AUX CELLGRP

5458 0 0

GMS_HDF5_01 "BARRIER_LOWK.h5" "well" 1

```

BARRIER_LOWK.gbob
# CoverageGUID ObjectType ID X Y Time OBNAME
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 2 219899.98547031
328399.37538393 1.0 no_ghbf0
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 3 219323.21532894
326636.73976194 1.0 no_ghbf1
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 4 219606.20168673
324019.54638495 1.0 no_ghbf2
#GMSCOMMENT 1f3d23e2-2acf-45ac-a9bb-7eeafc33a6e7 ARC 5 221825.0 326713.0 1.0
no_ghbf3
4 263 4
1.0 1.0 0
1 79
no_ghbf0 1 0.0 1.0 1.0e+019 1 1
5 18 74 1.0
5 18 73 1.0
5 18 72 1.0
5 18 71 1.0
5 18 70 1.0
5 18 69 1.0
5 18 68 1.0
5 18 67 1.0
5 17 67 1.0
5 17 66 1.0
5 17 65 1.0
5 17 64 1.0
5 17 63 1.0
5 17 62 1.0
5 17 61 1.0
5 17 60 1.0
5 17 59 1.0
5 17 58 1.0
5 17 57 1.0
5 17 56 1.0
5 16 56 1.0
5 15 56 1.0
5 14 56 1.0
5 13 56 1.0
5 13 57 1.0
5 12 57 1.0
5 11 57 1.0
5 10 57 1.0
5 9 57 1.0
5 8 57 1.0
5 7 57 1.0
5 6 57 1.0
5 5 57 1.0
5 4 57 1.0
5 3 57 1.0
5 3 56 1.0
5 3 55 1.0
5 3 54 1.0
5 3 53 1.0
5 3 52 1.0
5 3 51 1.0
5 3 50 1.0
5 3 49 1.0
5 3 48 1.0
5 3 47 1.0
5 3 46 1.0
5 3 45 1.0
5 3 44 1.0
5 3 43 1.0
5 3 42 1.0

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BARRIER_LOWK.gbob

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5 3 41 1.0
5 3 40 1.0
5 3 39 1.0
5 3 38 1.0
5 3 37 1.0
5 3 36 1.0
5 3 35 1.0
5 3 34 1.0
5 2 34 1.0
5 2 33 1.0
5 2 32 1.0
5 2 31 1.0
5 2 30 1.0
5 2 29 1.0
5 2 28 1.0
5 2 27 1.0
5 2 26 1.0
5 2 25 1.0
5 2 24 1.0
5 2 23 1.0
5 2 22 1.0
5 2 21 1.0
5 2 20 1.0
5 2 19 1.0
5 2 18 1.0
5 2 17 1.0
5 2 16 1.0
5 2 15 1.0
5 2 14 1.0
1 83
no_ghbf1 1 0.0 1.0 1.0e+019 1 1
5 66 28 1.0
5 65 28 1.0
5 64 28 1.0
5 63 28 1.0
5 62 28 1.0
5 61 28 1.0
5 61 29 1.0
5 60 29 1.0
5 59 29 1.0
5 58 29 1.0
5 57 29 1.0
5 56 29 1.0
5 55 29 1.0
5 54 29 1.0
5 53 29 1.0
5 52 29 1.0
5 51 29 1.0
5 50 29 1.0
5 49 29 1.0
5 48 29 1.0
5 47 29 1.0
5 46 29 1.0
5 45 29 1.0
5 45 30 1.0
5 44 30 1.0
5 43 30 1.0
5 42 30 1.0
5 41 30 1.0
5 40 30 1.0
5 39 30 1.0
5 38 30 1.0
5 37 30 1.0

```

BARRIER_LOWK.gbob

```

5 36 30 1.0
5 35 30 1.0
5 34 30 1.0
5 33 30 1.0
5 32 30 1.0
5 31 30 1.0
5 30 30 1.0
5 29 30 1.0
5 29 29 1.0
5 28 29 1.0
5 27 29 1.0
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5 26 28 1.0
5 26 27 1.0
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5 24 27 1.0
5 24 26 1.0
5 23 26 1.0
5 22 26 1.0
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5 9 19 1.0
5 9 18 1.0
5 8 18 1.0
5 8 17 1.0
5 7 17 1.0
5 6 17 1.0
5 6 16 1.0
5 5 16 1.0
5 4 16 1.0
5 4 15 1.0
5 3 15 1.0
5 2 15 1.0
5 2 14 1.0
1 52
no_ghbf2 1 0.0 1.0 1.0e+019 1 1
5 97 46 1.0
5 97 45 1.0
5 96 45 1.0
5 96 44 1.0
5 95 44 1.0
5 95 43 1.0
5 94 43 1.0
5 94 42 1.0
5 93 42 1.0
5 93 41 1.0

```

BARRIER_LOWK.gbob

```

5 92 41 1.0
5 92 40 1.0
5 91 40 1.0
5 91 39 1.0
5 90 39 1.0
5 90 38 1.0
5 89 38 1.0
5 89 37 1.0
5 88 37 1.0
5 88 36 1.0
5 87 36 1.0
5 86 36 1.0
5 85 36 1.0
5 84 36 1.0
5 83 36 1.0
5 82 36 1.0
5 81 36 1.0
5 80 36 1.0
5 79 36 1.0
5 78 36 1.0
5 77 36 1.0
5 76 36 1.0
5 75 36 1.0
5 74 36 1.0
5 73 36 1.0
5 72 36 1.0
5 72 37 1.0
5 71 37 1.0
5 70 37 1.0
5 69 37 1.0
5 68 37 1.0
5 67 37 1.0
5 66 37 1.0
5 66 36 1.0
5 66 35 1.0
5 66 34 1.0
5 66 33 1.0
5 66 32 1.0
5 66 31 1.0
5 66 30 1.0
5 66 29 1.0
5 66 28 1.0
1 49
no_ghbf3 1 0.0 1.0 1.0e+019 1 1
5 47 93 1.0
5 47 92 1.0
5 46 92 1.0
5 45 92 1.0
5 45 91 1.0
5 44 91 1.0
5 44 90 1.0
5 43 90 1.0
5 42 90 1.0
5 42 89 1.0
5 41 89 1.0
5 41 88 1.0
5 40 88 1.0
5 39 88 1.0
5 39 87 1.0
5 38 87 1.0
5 38 86 1.0
5 37 86 1.0
5 36 86 1.0

```

BARRIER_LOWK.gbob

5	36	85	1.0
5	35	85	1.0
5	35	84	1.0
5	34	84	1.0
5	33	84	1.0
5	33	83	1.0
5	32	83	1.0
5	32	82	1.0
5	31	82	1.0
5	30	82	1.0
5	30	81	1.0
5	29	81	1.0
5	29	80	1.0
5	28	80	1.0
5	27	80	1.0
5	27	79	1.0
5	26	79	1.0
5	25	79	1.0
5	25	78	1.0
5	24	78	1.0
5	24	77	1.0
5	23	77	1.0
5	22	77	1.0
5	22	76	1.0
5	21	76	1.0
5	21	75	1.0
5	20	75	1.0
5	19	75	1.0
5	19	74	1.0
5	18	74	1.0