# R2

# Запуск 1

TESTFILE: solver\_test/new/r2/r2.txt

DiskCount = 10

Column = 10

Err = OK

Cost [1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

[1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

BF 000-D>444

BF 444-D>111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 193264

mkGen #8 68040

mkGen #9 16800

mkGen #10 2940

mkGen #11 378

mkGen #12 35

mkGen #13 2

mkGen #14 0

Solved!

BF 0000000-D>1111111

815 ['000', '100', '120', '124', '144', '444', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '444', '044', '024', '021', '011', '111']

Exec time: 49.67723274230957 seconds

Total cost: 815

BF 0000-D>4444

BF 4444-D>1111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 16800

mkGen #8 2940

mkGen #9 378

mkGen #10 35

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

1015 ['0000', '1000', '1200', '1230', '1234', '1244', '1444', '4444', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '4444', '0444', '0244', '0234', '0231', '0211', '0111', '1111']

Exec time: 9.506648540496826 seconds

Total cost: 1015

BF 00000-D>44444

BF 44444-D>11111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 2940

mkGen #7 378

mkGen #8 35

mkGen #9 2

mkGen #10 0

Solved!

BF 00000-D>11111

1215 ['00000', '10000', '12000', '12300', '12350', '12354', '12344', '12444', '14444', '44444', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '44444', '04444', '02444', '02344', '02354', '02351', '02311', '02111', '01111', '11111']

Exec time: 7.335162878036499 seconds

Total cost: 1215

BF 000000-D>444444

BF 444444-D>111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1415 ['000000', '100000', '120000', '123000', '123500', '123560', '123564', '123544', '123444', '124444', '144444', '444444', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '444444', '044444', '024444', '023444', '023544', '023564', '023561', '023511', '023111', '021111', '011111', '111111']

Exec time: 43.90166425704956 seconds

Total cost: 1415

STAGE 4: ERR count disk

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

BF 0000-D>4444

BF 4444-D>1111

BF 000-D>444

BF 444-D>111

Exec time: 0.6572442054748535 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 30

mkGen #5 2

mkGen #6 0

Solved!

BF 000-D>111

1019 ['0000', '1000', '1200', '1230', '1234', '1244', '1444', '4444', '000', '100', '120', '124', '144', '444', '000', '200', '230', '231', '211', '111', '4444', '0444', '0244', '0234', '0231', '0211', '0111', '1111', '444', '044', '024', '021', '011', '111']

Exec time: 0.6688292026519775 seconds

Total cost: 1019

BF 000-D>444

BF 444-D>111

BF 000-D>444

BF 444-D>111

Exec time: 0.09547710418701172 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 270

mkGen #6 30

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

819 ['000', '100', '120', '124', '144', '444', '000', '100', '120', '124', '144', '444', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '444', '044', '024', '021', '011', '111', '444', '044', '024', '021', '011', '111']

Exec time: 0.18566155433654785 seconds

Total cost: 819

BF 0000000-D>4444444

BF 4444444-D>1111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1716 ['0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111']

Exec time: 284.02534008026123 seconds

Total cost: 1716

STAGE 15: ERR count disk

STAGE 16: ERR count disk

STAGE 16: ERR count disk

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 4

Stage cost

Stage 1 pyr 3 : 815

Stage 1 pyr 4 : 1015

Stage 1 pyr 5 : 1215

Stage 1 pyr 6 : 1415

Stage 2 pyr 66 : 0

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 1019

Stage 2 pyr 33 : 819

Stage 1 pyr 7 : 1716

Stage 2 pyr 77 : 0

Stage 2 pyr 76 : 0

Stage 2 pyr 75 : 0

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 395.3373544216156 seconds

# Запуск 2

TESTFILE: solver\_test/new/r2/r2.txt

DiskCount = 10

Column = 10

Err = OK

Cost [1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

[1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

BF 000-D>333

BF 333-D>111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 193264

mkGen #8 68040

mkGen #9 16800

mkGen #10 2940

mkGen #11 378

mkGen #12 35

mkGen #13 2

mkGen #14 0

Solved!

BF 0000000-D>1111111

815 ['000', '100', '120', '123', '133', '333', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '333', '033', '023', '021', '011', '111']

Exec time: 48.74730944633484 seconds

Total cost: 815

BF 0000-D>3333

BF 3333-D>1111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 16800

mkGen #8 2940

mkGen #9 378

mkGen #10 35

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

1015 ['0000', '1000', '1200', '1240', '1243', '1233', '1333', '3333', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '3333', '0333', '0233', '0243', '0241', '0211', '0111', '1111']

Exec time: 9.332360744476318 seconds

Total cost: 1015

BF 00000-D>33333

BF 33333-D>11111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 2940

mkGen #7 378

mkGen #8 35

mkGen #9 2

mkGen #10 0

Solved!

BF 00000-D>11111

1215 ['00000', '10000', '12000', '12400', '12450', '12453', '12433', '12333', '13333', '33333', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '33333', '03333', '02333', '02433', '02453', '02451', '02411', '02111', '01111', '11111']

Exec time: 7.146425247192383 seconds

Total cost: 1215

BF 000000-D>333333

BF 333333-D>111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1415 ['000000', '100000', '120000', '124000', '124500', '124560', '124563', '124533', '124333', '123333', '133333', '333333', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '333333', '033333', '023333', '024333', '024533', '024563', '024561', '024511', '024111', '021111', '011111', '111111']

Exec time: 43.26666522026062 seconds

Total cost: 1415

STAGE 4: ERR count disk

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

BF 0000-D>3333

BF 3333-D>1111

BF 000-D>333

BF 333-D>111

Exec time: 0.6301171779632568 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 30

mkGen #5 2

mkGen #6 0

Solved!

BF 000-D>111

1019 ['0000', '1000', '1200', '1240', '1243', '1233', '1333', '3333', '000', '100', '120', '123', '133', '333', '000', '200', '230', '231', '211', '111', '3333', '0333', '0233', '0243', '0241', '0211', '0111', '1111', '333', '033', '023', '021', '011', '111']

Exec time: 0.6419434547424316 seconds

Total cost: 1019

BF 000-D>333

BF 333-D>111

BF 000-D>333

BF 333-D>111

Exec time: 0.09272265434265137 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 270

mkGen #6 30

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

819 ['000', '100', '120', '123', '133', '333', '000', '100', '120', '123', '133', '333', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '333', '033', '023', '021', '011', '111', '333', '033', '023', '021', '011', '111']

Exec time: 0.1843256950378418 seconds

Total cost: 819

BF 0000000-D>3333333

BF 3333333-D>1111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1716 ['0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111']

Exec time: 283.48338437080383 seconds

Total cost: 1716

STAGE 15: ERR count disk

STAGE 16: ERR count disk

STAGE 16: ERR count disk

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 3

Stage cost

Stage 1 pyr 3 : 815

Stage 1 pyr 4 : 1015

Stage 1 pyr 5 : 1215

Stage 1 pyr 6 : 1415

Stage 2 pyr 66 : 0

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 1019

Stage 2 pyr 33 : 819

Stage 1 pyr 7 : 1716

Stage 2 pyr 77 : 0

Stage 2 pyr 76 : 0

Stage 2 pyr 75 : 0

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 392.86027216911316 seconds

# Запуск 3+

TESTFILE: solver\_test/new/r2/r2.txt

DiskCount = 10

Column = 10

Err = OK

Cost [1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

[1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

BF 000-D>555

BF 555-D>111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 193264

mkGen #8 68040

mkGen #9 16800

mkGen #10 2940

mkGen #11 378

mkGen #12 35

mkGen #13 2

mkGen #14 0

Solved!

BF 0000000-D>1111111

815 ['000', '100', '120', '125', '155', '555', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '555', '055', '025', '021', '011', '111']

Exec time: 51.137646198272705 seconds

Total cost: 815

BF 0000-D>5555

BF 5555-D>1111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 16800

mkGen #8 2940

mkGen #9 378

mkGen #10 35

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

1015 ['0000', '1000', '1200', '1230', '1235', '1255', '1555', '5555', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '5555', '0555', '0255', '0235', '0231', '0211', '0111', '1111']

Exec time: 9.559822082519531 seconds

Total cost: 1015

BF 00000-D>55555

BF 55555-D>11111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 2940

mkGen #7 378

mkGen #8 35

mkGen #9 2

mkGen #10 0

Solved!

BF 00000-D>11111

1215 ['00000', '10000', '12000', '12300', '12340', '12345', '12355', '12555', '15555', '55555', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '55555', '05555', '02555', '02355', '02345', '02341', '02311', '02111', '01111', '11111']

Exec time: 7.227973937988281 seconds

Total cost: 1215

BF 000000-D>555555

BF 555555-D>111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1415 ['000000', '100000', '120000', '123000', '123400', '123460', '123465', '123455', '123555', '125555', '155555', '555555', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '555555', '055555', '025555', '023555', '023455', '023465', '023461', '023411', '023111', '021111', '011111', '111111']

Exec time: 44.25291466712952 seconds

Total cost: 1415

STAGE 4: ERR count disk

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

BF 0000-D>5555

BF 5555-D>1111

BF 000-D>555

BF 555-D>111

Exec time: 0.6397910118103027 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 30

mkGen #5 2

mkGen #6 0

Solved!

BF 000-D>111

1019 ['0000', '1000', '1200', '1230', '1235', '1255', '1555', '5555', '000', '100', '120', '125', '155', '555', '000', '200', '230', '231', '211', '111', '5555', '0555', '0255', '0235', '0231', '0211', '0111', '1111', '555', '055', '025', '021', '011', '111']

Exec time: 0.6516029834747314 seconds

Total cost: 1019

BF 000-D>555

BF 555-D>111

BF 000-D>555

BF 555-D>111

Exec time: 0.09601473808288574 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 270

mkGen #6 30

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

819 ['000', '100', '120', '125', '155', '555', '000', '100', '120', '125', '155', '555', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '555', '055', '025', '021', '011', '111', '555', '055', '025', '021', '011', '111']

Exec time: 0.19274330139160156 seconds

Total cost: 819

BF 0000000-D>5555555

BF 5555555-D>1111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1716 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 288.3307023048401 seconds

Total cost: 1716

STAGE 15: ERR count disk

STAGE 16: ERR count disk

STAGE 16: ERR count disk

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 5

Stage cost

Stage 1 pyr 3 : 815

Stage 1 pyr 4 : 1015

Stage 1 pyr 5 : 1215

Stage 1 pyr 6 : 1415

Stage 2 pyr 66 : 0

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 1019

Stage 2 pyr 33 : 819

Stage 1 pyr 7 : 1716

Stage 2 pyr 77 : 0

Stage 2 pyr 76 : 0

Stage 2 pyr 75 : 0

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 401.3912568092346 seconds

# Запуск 4

TESTFILE: solver\_test/new/r2/r2.txt

DiskCount = 10

Column = 10

Err = OK

Cost [1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

[1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

BF 000-D>666

BF 666-D>111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 193264

mkGen #8 68040

mkGen #9 16800

mkGen #10 2940

mkGen #11 378

mkGen #12 35

mkGen #13 2

mkGen #14 0

Solved!

BF 0000000-D>1111111

815 ['000', '100', '120', '126', '166', '666', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '666', '066', '026', '021', '011', '111']

Exec time: 51.70851969718933 seconds

Total cost: 815

BF 0000-D>6666

BF 6666-D>1111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 16800

mkGen #8 2940

mkGen #9 378

mkGen #10 35

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

1015 ['0000', '1000', '1200', '1230', '1236', '1266', '1666', '6666', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '6666', '0666', '0266', '0236', '0231', '0211', '0111', '1111']

Exec time: 9.592742681503296 seconds

Total cost: 1015

BF 00000-D>66666

BF 66666-D>11111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 2940

mkGen #7 378

mkGen #8 35

mkGen #9 2

mkGen #10 0

Solved!

BF 00000-D>11111

1215 ['00000', '10000', '12000', '12300', '12340', '12346', '12366', '12666', '16666', '66666', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '66666', '06666', '02666', '02366', '02346', '02341', '02311', '02111', '01111', '11111']

Exec time: 7.316616535186768 seconds

Total cost: 1215

BF 000000-D>666666

BF 666666-D>111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1415 ['000000', '100000', '120000', '123000', '123400', '123450', '123456', '123466', '123666', '126666', '166666', '666666', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '666666', '066666', '026666', '023666', '023466', '023456', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 44.42670822143555 seconds

Total cost: 1415

STAGE 4: ERR count disk

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

BF 0000-D>6666

BF 6666-D>1111

BF 000-D>666

BF 666-D>111

Exec time: 0.6606767177581787 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 30

mkGen #5 2

mkGen #6 0

Solved!

BF 000-D>111

1019 ['0000', '1000', '1200', '1230', '1236', '1266', '1666', '6666', '000', '100', '120', '126', '166', '666', '000', '200', '230', '231', '211', '111', '6666', '0666', '0266', '0236', '0231', '0211', '0111', '1111', '666', '066', '026', '021', '011', '111']

Exec time: 0.6725637912750244 seconds

Total cost: 1019

BF 000-D>666

BF 666-D>111

BF 000-D>666

BF 666-D>111

Exec time: 0.09532046318054199 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 270

mkGen #6 30

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

819 ['000', '100', '120', '126', '166', '666', '000', '100', '120', '126', '166', '666', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '666', '066', '026', '021', '011', '111', '666', '066', '026', '021', '011', '111']

Exec time: 0.17990469932556152 seconds

Total cost: 819

BF 0000000-D>6666666

BF 6666666-D>1111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1716 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 286.4857759475708 seconds

Total cost: 1716

STAGE 15: ERR count disk

STAGE 16: ERR count disk

STAGE 16: ERR count disk

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 6

Stage cost

Stage 1 pyr 3 : 815

Stage 1 pyr 4 : 1015

Stage 1 pyr 5 : 1215

Stage 1 pyr 6 : 1415

Stage 2 pyr 66 : 0

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 1019

Stage 2 pyr 33 : 819

Stage 1 pyr 7 : 1716

Stage 2 pyr 77 : 0

Stage 2 pyr 76 : 0

Stage 2 pyr 75 : 0

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 400.44217824935913 seconds

# Запуск 5

TESTFILE: solver\_test/new/r2/r2.txt

DiskCount = 10

Column = 10

Err = OK

Cost [1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

[1, 1, 1, 100, 100, 100, 100, 100, 100, 100]

BF 000-D>222

BF 222-D>111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 193264

mkGen #8 68040

mkGen #9 16800

mkGen #10 2940

mkGen #11 378

mkGen #12 35

mkGen #13 2

mkGen #14 0

Solved!

BF 0000000-D>1111111

815 ['000', '100', '130', '132', '122', '222', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '222', '022', '032', '031', '011', '111']

Exec time: 51.73487114906311 seconds

Total cost: 815

BF 0000-D>2222

BF 2222-D>1111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 44744

mkGen #7 16800

mkGen #8 2940

mkGen #9 378

mkGen #10 35

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

916 ['0000', '1000', '1300', '1340', '1342', '1322', '1222', '2222', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '2222', '0222', '0322', '0342', '0341', '0311', '0111', '1111']

Exec time: 9.656745433807373 seconds

Total cost: 916

BF 00000-D>22222

BF 22222-D>11111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 9776

mkGen #6 2940

mkGen #7 378

mkGen #8 35

mkGen #9 2

mkGen #10 0

Solved!

BF 00000-D>11111

1017 ['00000', '10000', '13000', '13400', '13450', '13452', '13422', '13222', '12222', '22222', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '22222', '02222', '03222', '03422', '03452', '03451', '03411', '03111', '01111', '11111']

Exec time: 7.363538026809692 seconds

Total cost: 1017

BF 000000-D>222222

BF 222222-D>111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1118 ['000000', '100000', '130000', '134000', '134500', '134560', '134562', '134522', '134222', '132222', '122222', '222222', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '222222', '022222', '032222', '034222', '034522', '034562', '034561', '034511', '034111', '031111', '011111', '111111']

Exec time: 45.570674896240234 seconds

Total cost: 1118

STAGE 4: ERR count disk

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

BF 0000-D>2222

BF 2222-D>1111

BF 000-D>222

BF 222-D>111

Exec time: 0.649726152420044 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 30

mkGen #5 2

mkGen #6 0

Solved!

BF 000-D>111

1118 ['0000', '1000', '1300', '1340', '1342', '1322', '1222', '2222', '000', '100', '130', '132', '122', '222', '000', '200', '230', '231', '211', '111', '2222', '0222', '0322', '0342', '0341', '0311', '0111', '1111', '222', '022', '032', '031', '011', '111']

Exec time: 0.661191463470459 seconds

Total cost: 1118

BF 000-D>222

BF 222-D>111

BF 000-D>222

BF 222-D>111

Exec time: 0.09488058090209961 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 270

mkGen #6 30

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1017 ['000', '100', '130', '132', '122', '222', '000', '100', '130', '132', '122', '222', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '222', '022', '032', '031', '011', '111', '222', '022', '032', '031', '011', '111']

Exec time: 0.18457794189453125 seconds

Total cost: 1017

BF 0000000-D>2222222

BF 2222222-D>1111111

mkGen #1 8

mkGen #2 56

mkGen #3 352

mkGen #4 1960

mkGen #5 378

mkGen #6 35

mkGen #7 2

mkGen #8 0

Solved!

BF 0000-D>1111

1320 ['0000000', '1000000', '1300000', '1340000', '1345000', '1345600', '1345670', '1345672', '1345622', '1345222', '1342222', '1322222', '1222222', '2222222', '0000', '2000', '2300', '2340', '2341', '2311', '2111', '1111', '2222222', '0222222', '0322222', '0342222', '0345222', '0345622', '0345672', '0345671', '0345611', '0345111', '0341111', '0311111', '0111111', '1111111']

Exec time: 301.44585514068604 seconds

Total cost: 1320

STAGE 15: ERR count disk

STAGE 16: ERR count disk

STAGE 16: ERR count disk

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 2

Stage cost

Stage 1 pyr 3 : 815

Stage 1 pyr 4 : 916

Stage 1 pyr 5 : 1017

Stage 1 pyr 6 : 1118

Stage 2 pyr 66 : 0

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 1118

Stage 2 pyr 33 : 1017

Stage 1 pyr 7 : 1320

Stage 2 pyr 77 : 0

Stage 2 pyr 76 : 0

Stage 2 pyr 75 : 0

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 416.65405106544495 seconds

# R5

# Запуск 1

TESTFILE: solver\_test/new/r5/r5.txt

DiskCount = 20

Column = 9

Err = OK

Cost [98, 96, 102, 102, 92, 96, 116, 94, 100]

[98, 92, 94, 96, 96, 100, 102, 102, 116]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>333333

BF 333333-D>111111

BF 000000-D>333333

BF 333333-D>111111

Exec time: 25.523087739944458 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6040 ['000000', '100000', '120000', '124000', '124500', '124560', '124563', '124533', '124333', '123333', '133333', '333333', '000000', '100000', '120000', '124000', '124500', '124560', '124563', '124533', '124333', '123333', '133333', '333333', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '333333', '033333', '023333', '024333', '024533', '024563', '024561', '024511', '024111', '021111', '011111', '111111', '333333', '033333', '023333', '024333', '024533', '024563', '024561', '024511', '024111', '021111', '011111', '111111']

Exec time: 115.50923728942871 seconds

Total cost: 6040

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>3333333

BF 3333333-D>1111111

BF 0000000-D>3333333

BF 3333333-D>1111111

Exec time: 127.77285051345825 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

6094 ['0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111']

Exec time: 128.7760112285614 seconds

Total cost: 6094

BF 0000000-D>3333333

BF 3333333-D>1111111

BF 000000-D>333333

BF 333333-D>111111

Exec time: 104.96619987487793 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

6050 ['0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '000000', '100000', '120000', '124000', '124500', '124560', '124563', '124533', '124333', '123333', '133333', '333333', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111', '333333', '033333', '023333', '024333', '024533', '024563', '024561', '024511', '024111', '021111', '011111', '111111']

Exec time: 116.52250552177429 seconds

Total cost: 6050

BF 0000000-D>3333333

BF 3333333-D>1111111

BF 00000-D>33333

BF 33333-D>11111

Exec time: 101.08795666694641 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6040 ['0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '00000', '10000', '12000', '12400', '12450', '12453', '12433', '12333', '13333', '33333', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111', '33333', '03333', '02333', '02433', '02453', '02451', '02411', '02111', '01111', '11111']

Exec time: 200.02057147026062 seconds

Total cost: 6040

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 3

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 6040

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 6094

Stage 2 pyr 76 : 6050

Stage 2 pyr 75 : 6040

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 560.8486034870148 seconds

# Запуск 2

TESTFILE: solver\_test/new/r5/r5.txt

DiskCount = 20

Column = 9

Err = OK

Cost [98, 96, 102, 102, 92, 96, 116, 94, 100]

[98, 92, 94, 96, 96, 100, 102, 102, 116]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>222222

BF 222222-D>111111

BF 000000-D>222222

BF 222222-D>111111

Exec time: 26.553353786468506 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6040 ['000000', '100000', '130000', '134000', '134500', '134560', '134562', '134522', '134222', '132222', '122222', '222222', '000000', '100000', '130000', '134000', '134500', '134560', '134562', '134522', '134222', '132222', '122222', '222222', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '222222', '022222', '032222', '034222', '034522', '034562', '034561', '034511', '034111', '031111', '011111', '111111', '222222', '022222', '032222', '034222', '034522', '034562', '034561', '034511', '034111', '031111', '011111', '111111']

Exec time: 121.44249200820923 seconds

Total cost: 6040

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>2222222

BF 2222222-D>1111111

BF 0000000-D>2222222

BF 2222222-D>1111111

Exec time: 128.64910316467285 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

6090 ['0000000', '1000000', '1300000', '1340000', '1345000', '1345600', '1345670', '1345672', '1345622', '1345222', '1342222', '1322222', '1222222', '2222222', '0000000', '1000000', '1300000', '1340000', '1345000', '1345600', '1345670', '1345672', '1345622', '1345222', '1342222', '1322222', '1222222', '2222222', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '2222222', '0222222', '0322222', '0342222', '0345222', '0345622', '0345672', '0345671', '0345611', '0345111', '0341111', '0311111', '0111111', '1111111', '2222222', '0222222', '0322222', '0342222', '0345222', '0345622', '0345672', '0345671', '0345611', '0345111', '0341111', '0311111', '0111111', '1111111']

Exec time: 129.65904879570007 seconds

Total cost: 6090

BF 0000000-D>2222222

BF 2222222-D>1111111

BF 000000-D>222222

BF 222222-D>111111

Exec time: 108.13911843299866 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

6048 ['0000000', '1000000', '1300000', '1340000', '1345000', '1345600', '1345670', '1345672', '1345622', '1345222', '1342222', '1322222', '1222222', '2222222', '000000', '100000', '130000', '134000', '134500', '134560', '134562', '134522', '134222', '132222', '122222', '222222', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '2222222', '0222222', '0322222', '0342222', '0345222', '0345622', '0345672', '0345671', '0345611', '0345111', '0341111', '0311111', '0111111', '1111111', '222222', '022222', '032222', '034222', '034522', '034562', '034561', '034511', '034111', '031111', '011111', '111111']

Exec time: 119.78485679626465 seconds

Total cost: 6048

BF 0000000-D>2222222

BF 2222222-D>1111111

BF 00000-D>22222

BF 22222-D>11111

Exec time: 100.25786352157593 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6038 ['0000000', '1000000', '1300000', '1340000', '1345000', '1345600', '1345670', '1345672', '1345622', '1345222', '1342222', '1322222', '1222222', '2222222', '00000', '10000', '13000', '13400', '13450', '13452', '13422', '13222', '12222', '22222', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '2222222', '0222222', '0322222', '0342222', '0345222', '0345622', '0345672', '0345671', '0345611', '0345111', '0341111', '0311111', '0111111', '1111111', '22222', '02222', '03222', '03422', '03452', '03451', '03411', '03111', '01111', '11111']

Exec time: 194.39756035804749 seconds

Total cost: 6038

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 2

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 6040

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 6090

Stage 2 pyr 76 : 6048

Stage 2 pyr 75 : 6038

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 565.3047721385956 seconds

# Запуск 3

TESTFILE: solver\_test/new/r5/r5.txt

DiskCount = 20

Column = 9

Err = OK

Cost [98, 96, 102, 102, 92, 96, 116, 94, 100]

[98, 92, 94, 96, 96, 100, 102, 102, 116]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>111111

BF 111111-D>111111

BF 000000-D>111111

BF 111111-D>111111

Exec time: 13.910609006881714 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

3968 ['000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '111111', '111111']

Exec time: 113.15003061294556 seconds

Total cost: 3968

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 0000000-D>1111111

BF 1111111-D>1111111

Exec time: 65.1417396068573 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

3596 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '1111111', '1111111']

Exec time: 66.15996313095093 seconds

Total cost: 3596

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 000000-D>111111

BF 111111-D>111111

Exec time: 54.34953498840332 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

3772 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '1111111', '111111']

Exec time: 66.23076152801514 seconds

Total cost: 3772

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 00000-D>11111

BF 11111-D>11111

Exec time: 53.9521906375885 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

3966 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '1111111', '11111']

Exec time: 146.4509482383728 seconds

Total cost: 3966

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 1

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 3968

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 3596

Stage 2 pyr 76 : 3772

Stage 2 pyr 75 : 3966

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 392.03665494918823 seconds

# Запуск 4

TESTFILE: solver\_test/new/r5/r5.txt

DiskCount = 20

Column = 9

Err = OK

Cost [98, 96, 102, 102, 92, 96, 116, 94, 100]

[98, 92, 94, 96, 96, 100, 102, 102, 116]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>444444

BF 444444-D>111111

BF 000000-D>444444

BF 444444-D>111111

Exec time: 26.065160989761353 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6048 ['000000', '100000', '120000', '123000', '123500', '123560', '123564', '123544', '123444', '124444', '144444', '444444', '000000', '100000', '120000', '123000', '123500', '123560', '123564', '123544', '123444', '124444', '144444', '444444', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '444444', '044444', '024444', '023444', '023544', '023564', '023561', '023511', '023111', '021111', '011111', '111111', '444444', '044444', '024444', '023444', '023544', '023564', '023561', '023511', '023111', '021111', '011111', '111111']

Exec time: 121.93448257446289 seconds

Total cost: 6048

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>4444444

BF 4444444-D>1111111

BF 0000000-D>4444444

BF 4444444-D>1111111

Exec time: 131.43964385986328 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

6110 ['0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111']

Exec time: 132.45495700836182 seconds

Total cost: 6110

BF 0000000-D>4444444

BF 4444444-D>1111111

BF 000000-D>444444

BF 444444-D>111111

Exec time: 109.2062406539917 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

6062 ['0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '000000', '100000', '120000', '123000', '123500', '123560', '123564', '123544', '123444', '124444', '144444', '444444', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111', '444444', '044444', '024444', '023444', '023544', '023564', '023561', '023511', '023111', '021111', '011111', '111111']

Exec time: 121.43337750434875 seconds

Total cost: 6062

BF 0000000-D>4444444

BF 4444444-D>1111111

BF 00000-D>44444

BF 44444-D>11111

Exec time: 104.02910852432251 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6044 ['0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '00000', '10000', '12000', '12300', '12350', '12354', '12344', '12444', '14444', '44444', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111', '44444', '04444', '02444', '02344', '02354', '02351', '02311', '02111', '01111', '11111']

Exec time: 196.16744685173035 seconds

Total cost: 6044

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 4

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 6048

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 6110

Stage 2 pyr 76 : 6062

Stage 2 pyr 75 : 6044

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 572.0166258811951 seconds

# Запуск 5

TESTFILE: solver\_test/new/r5/r5.txt

DiskCount = 20

Column = 9

Err = OK

Cost [98, 96, 102, 102, 92, 96, 116, 94, 100]

[98, 92, 94, 96, 96, 100, 102, 102, 116]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>666666

BF 666666-D>111111

BF 000000-D>666666

BF 666666-D>111111

Exec time: 25.524954557418823 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6060 ['000000', '100000', '120000', '123000', '123400', '123450', '123456', '123466', '123666', '126666', '166666', '666666', '000000', '100000', '120000', '123000', '123400', '123450', '123456', '123466', '123666', '126666', '166666', '666666', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '666666', '066666', '026666', '023666', '023466', '023456', '023451', '023411', '023111', '021111', '011111', '111111', '666666', '066666', '026666', '023666', '023466', '023456', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 118.1277825832367 seconds

Total cost: 6060

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>6666666

BF 6666666-D>1111111

BF 0000000-D>6666666

BF 6666666-D>1111111

Exec time: 128.812415599823 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

6130 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 129.81745219230652 seconds

Total cost: 6130

BF 0000000-D>6666666

BF 6666666-D>1111111

BF 000000-D>666666

BF 666666-D>111111

Exec time: 106.69625735282898 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

6080 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '000000', '100000', '120000', '123000', '123400', '123450', '123456', '123466', '123666', '126666', '166666', '666666', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '666666', '066666', '026666', '023666', '023466', '023456', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 118.60915660858154 seconds

Total cost: 6080

BF 0000000-D>6666666

BF 6666666-D>1111111

BF 00000-D>66666

BF 66666-D>11111

Exec time: 101.71167135238647 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6064 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '00000', '10000', '12000', '12300', '12340', '12346', '12366', '12666', '16666', '66666', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '66666', '06666', '02666', '02366', '02346', '02341', '02311', '02111', '01111', '11111']

Exec time: 193.22084856033325 seconds

Total cost: 6064

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 6

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 6060

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 6130

Stage 2 pyr 76 : 6080

Stage 2 pyr 75 : 6064

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 559.7970995903015 seconds

# Запуск 6

TESTFILE: solver\_test/new/r5/r5.txt

DiskCount = 20

Column = 9

Err = OK

Cost [98, 96, 102, 102, 92, 96, 116, 94, 100]

[98, 92, 94, 96, 96, 100, 102, 102, 116]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>777777

BF 777777-D>111111

BF 000000-D>777777

BF 777777-D>111111

Exec time: 26.060619592666626 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6130 ['000000', '100000', '120000', '123000', '123400', '123450', '123457', '123477', '123777', '127777', '177777', '777777', '000000', '100000', '120000', '123000', '123400', '123450', '123457', '123477', '123777', '127777', '177777', '777777', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '777777', '077777', '027777', '023777', '023477', '023457', '023451', '023411', '023111', '021111', '011111', '111111', '777777', '077777', '027777', '023777', '023477', '023457', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 118.75405287742615 seconds

Total cost: 6130

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>7777777

BF 7777777-D>1111111

BF 0000000-D>7777777

BF 7777777-D>1111111

Exec time: 129.9989528656006 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

6186 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 130.99242281913757 seconds

Total cost: 6186

BF 0000000-D>7777777

BF 7777777-D>1111111

BF 000000-D>777777

BF 777777-D>111111

Exec time: 108.39625859260559 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

6150 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '000000', '100000', '120000', '123000', '123400', '123450', '123457', '123477', '123777', '127777', '177777', '777777', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '777777', '077777', '027777', '023777', '023477', '023457', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 120.57456827163696 seconds

Total cost: 6150

BF 0000000-D>7777777

BF 7777777-D>1111111

BF 00000-D>77777

BF 77777-D>11111

Exec time: 102.86491465568542 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6120 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '00000', '10000', '12000', '12300', '12340', '12347', '12377', '12777', '17777', '77777', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '77777', '07777', '02777', '02377', '02347', '02341', '02311', '02111', '01111', '11111']

Exec time: 193.511465549469 seconds

Total cost: 6120

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 7

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 6130

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 6186

Stage 2 pyr 76 : 6150

Stage 2 pyr 75 : 6120

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 563.8531424999237 seconds

# Запуск 7

TESTFILE: solver\_test/new/r5/r5.txt

DiskCount = 20

Column = 9

Err = OK

Cost [98, 96, 102, 102, 92, 96, 116, 94, 100]

[98, 92, 94, 96, 96, 100, 102, 102, 116]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>555555

BF 555555-D>111111

BF 000000-D>555555

BF 555555-D>111111

Exec time: 25.55306339263916 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6058 ['000000', '100000', '120000', '123000', '123400', '123460', '123465', '123455', '123555', '125555', '155555', '555555', '000000', '100000', '120000', '123000', '123400', '123460', '123465', '123455', '123555', '125555', '155555', '555555', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '555555', '055555', '025555', '023555', '023455', '023465', '023461', '023411', '023111', '021111', '011111', '111111', '555555', '055555', '025555', '023555', '023455', '023465', '023461', '023411', '023111', '021111', '011111', '111111']

Exec time: 117.72358250617981 seconds

Total cost: 6058

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>5555555

BF 5555555-D>1111111

BF 0000000-D>5555555

BF 5555555-D>1111111

Exec time: 128.3086941242218 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

6126 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 129.31174564361572 seconds

Total cost: 6126

BF 0000000-D>5555555

BF 5555555-D>1111111

BF 000000-D>555555

BF 555555-D>111111

Exec time: 107.89000868797302 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

6076 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '000000', '100000', '120000', '123000', '123400', '123460', '123465', '123455', '123555', '125555', '155555', '555555', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111', '555555', '055555', '025555', '023555', '023455', '023465', '023461', '023411', '023111', '021111', '011111', '111111']

Exec time: 119.76851463317871 seconds

Total cost: 6076

BF 0000000-D>5555555

BF 5555555-D>1111111

BF 00000-D>55555

BF 55555-D>11111

Exec time: 101.35448169708252 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

6056 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '00000', '10000', '12000', '12300', '12340', '12345', '12355', '12555', '15555', '55555', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111', '55555', '05555', '02555', '02355', '02345', '02341', '02311', '02111', '01111', '11111']

Exec time: 193.1363754272461 seconds

Total cost: 6056

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 5

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 6058

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 6126

Stage 2 pyr 76 : 6076

Stage 2 pyr 75 : 6056

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 559.9774558544159 seconds

# R4

# Запуск 1

TESTFILE: solver\_test/new/r4/r4.txt

DiskCount = 20

Column = 9

Err = OK

Cost [1, 2, 2, 4, 4, 6, 6, 7, 7]

[1, 2, 2, 4, 4, 6, 6, 7, 7]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>333333

BF 333333-D>111111

BF 000000-D>333333

BF 333333-D>111111

Exec time: 25.133085012435913 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

214 ['000000', '100000', '120000', '124000', '124500', '124560', '124563', '124533', '124333', '123333', '133333', '333333', '000000', '100000', '120000', '124000', '124500', '124560', '124563', '124533', '124333', '123333', '133333', '333333', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '333333', '033333', '023333', '024333', '024533', '024563', '024561', '024511', '024111', '021111', '011111', '111111', '333333', '033333', '023333', '024333', '024533', '024563', '024561', '024511', '024111', '021111', '011111', '111111']

Exec time: 117.67027401924133 seconds

Total cost: 214

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>3333333

BF 3333333-D>1111111

BF 0000000-D>3333333

BF 3333333-D>1111111

Exec time: 126.88976502418518 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

236 ['0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111']

Exec time: 127.86006474494934 seconds

Total cost: 236

BF 0000000-D>3333333

BF 3333333-D>1111111

BF 000000-D>333333

BF 333333-D>111111

Exec time: 104.96031165122986 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

223 ['0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '000000', '100000', '120000', '124000', '124500', '124560', '124563', '124533', '124333', '123333', '133333', '333333', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111', '333333', '033333', '023333', '024333', '024533', '024563', '024561', '024511', '024111', '021111', '011111', '111111']

Exec time: 116.6922721862793 seconds

Total cost: 223

BF 0000000-D>3333333

BF 3333333-D>1111111

BF 00000-D>33333

BF 33333-D>11111

Exec time: 99.93906140327454 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

214 ['0000000', '1000000', '1200000', '1240000', '1245000', '1245600', '1245670', '1245673', '1245633', '1245333', '1243333', '1233333', '1333333', '3333333', '00000', '10000', '12000', '12400', '12450', '12453', '12433', '12333', '13333', '33333', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '3333333', '0333333', '0233333', '0243333', '0245333', '0245633', '0245673', '0245671', '0245611', '0245111', '0241111', '0211111', '0111111', '1111111', '33333', '03333', '02333', '02433', '02453', '02451', '02411', '02111', '01111', '11111']

Exec time: 189.26254272460938 seconds

Total cost: 214

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 3

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 214

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 236

Stage 2 pyr 76 : 223

Stage 2 pyr 75 : 214

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 551.5069801807404 seconds

# Запуск 2

TESTFILE: solver\_test/new/r4/r4.txt

DiskCount = 20

Column = 9

Err = OK

Cost [1, 2, 2, 4, 4, 6, 6, 7, 7]

[1, 2, 2, 4, 4, 6, 6, 7, 7]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>444444

BF 444444-D>111111

BF 000000-D>444444

BF 444444-D>111111

Exec time: 25.09547710418701 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

218 ['000000', '100000', '120000', '123000', '123500', '123560', '123564', '123544', '123444', '124444', '144444', '444444', '000000', '100000', '120000', '123000', '123500', '123560', '123564', '123544', '123444', '124444', '144444', '444444', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '444444', '044444', '024444', '023444', '023544', '023564', '023561', '023511', '023111', '021111', '011111', '111111', '444444', '044444', '024444', '023444', '023544', '023564', '023561', '023511', '023111', '021111', '011111', '111111']

Exec time: 116.18270063400269 seconds

Total cost: 218

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>4444444

BF 4444444-D>1111111

BF 0000000-D>4444444

BF 4444444-D>1111111

Exec time: 128.3894464969635 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

244 ['0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111']

Exec time: 129.361670255661 seconds

Total cost: 244

BF 0000000-D>4444444

BF 4444444-D>1111111

BF 000000-D>444444

BF 444444-D>111111

Exec time: 104.78065848350525 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

229 ['0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '000000', '100000', '120000', '123000', '123500', '123560', '123564', '123544', '123444', '124444', '144444', '444444', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111', '444444', '044444', '024444', '023444', '023544', '023564', '023561', '023511', '023111', '021111', '011111', '111111']

Exec time: 116.45732760429382 seconds

Total cost: 229

BF 0000000-D>4444444

BF 4444444-D>1111111

BF 00000-D>44444

BF 44444-D>11111

Exec time: 99.81275463104248 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

216 ['0000000', '1000000', '1200000', '1230000', '1235000', '1235600', '1235670', '1235674', '1235644', '1235444', '1234444', '1244444', '1444444', '4444444', '00000', '10000', '12000', '12300', '12350', '12354', '12344', '12444', '14444', '44444', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '4444444', '0444444', '0244444', '0234444', '0235444', '0235644', '0235674', '0235671', '0235611', '0235111', '0231111', '0211111', '0111111', '1111111', '44444', '04444', '02444', '02344', '02354', '02351', '02311', '02111', '01111', '11111']

Exec time: 189.37378644943237 seconds

Total cost: 216

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 4

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 218

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 244

Stage 2 pyr 76 : 229

Stage 2 pyr 75 : 216

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 551.3996033668518 seconds

# Запуск 3

TESTFILE: solver\_test/new/r4/r4.txt

DiskCount = 20

Column = 9

Err = OK

Cost [1, 2, 2, 4, 4, 6, 6, 7, 7]

[1, 2, 2, 4, 4, 6, 6, 7, 7]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>555555

BF 555555-D>111111

BF 000000-D>555555

BF 555555-D>111111

Exec time: 25.136285305023193 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

220 ['000000', '100000', '120000', '123000', '123400', '123460', '123465', '123455', '123555', '125555', '155555', '555555', '000000', '100000', '120000', '123000', '123400', '123460', '123465', '123455', '123555', '125555', '155555', '555555', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '555555', '055555', '025555', '023555', '023455', '023465', '023461', '023411', '023111', '021111', '011111', '111111', '555555', '055555', '025555', '023555', '023455', '023465', '023461', '023411', '023111', '021111', '011111', '111111']

Exec time: 116.79951810836792 seconds

Total cost: 220

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>5555555

BF 5555555-D>1111111

BF 0000000-D>5555555

BF 5555555-D>1111111

Exec time: 126.33933067321777 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

248 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 127.31036472320557 seconds

Total cost: 248

BF 0000000-D>5555555

BF 5555555-D>1111111

BF 000000-D>555555

BF 555555-D>111111

Exec time: 104.50868105888367 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

233 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '000000', '100000', '120000', '123000', '123400', '123460', '123465', '123455', '123555', '125555', '155555', '555555', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111', '555555', '055555', '025555', '023555', '023455', '023465', '023461', '023411', '023111', '021111', '011111', '111111']

Exec time: 116.20795607566833 seconds

Total cost: 233

BF 0000000-D>5555555

BF 5555555-D>1111111

BF 00000-D>55555

BF 55555-D>11111

Exec time: 99.45964407920837 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

220 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234600', '1234670', '1234675', '1234655', '1234555', '1235555', '1255555', '1555555', '5555555', '00000', '10000', '12000', '12300', '12340', '12345', '12355', '12555', '15555', '55555', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '5555555', '0555555', '0255555', '0235555', '0234555', '0234655', '0234675', '0234671', '0234611', '0234111', '0231111', '0211111', '0111111', '1111111', '55555', '05555', '02555', '02355', '02345', '02341', '02311', '02111', '01111', '11111']

Exec time: 189.12197947502136 seconds

Total cost: 220

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 5

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 220

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 248

Stage 2 pyr 76 : 233

Stage 2 pyr 75 : 220

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 549.4642806053162 seconds

# Запуск 4

TESTFILE: solver\_test/new/r4/r4.txt

DiskCount = 20

Column = 9

Err = OK

Cost [1, 2, 2, 4, 4, 6, 6, 7, 7]

[1, 2, 2, 4, 4, 6, 6, 7, 7]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>666666

BF 666666-D>111111

BF 000000-D>666666

BF 666666-D>111111

Exec time: 25.91895079612732 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

223 ['000000', '100000', '120000', '123000', '123400', '123450', '123456', '123466', '123666', '126666', '166666', '666666', '000000', '100000', '120000', '123000', '123400', '123450', '123456', '123466', '123666', '126666', '166666', '666666', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '666666', '066666', '026666', '023666', '023466', '023456', '023451', '023411', '023111', '021111', '011111', '111111', '666666', '066666', '026666', '023666', '023466', '023456', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 118.79030275344849 seconds

Total cost: 223

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>6666666

BF 6666666-D>1111111

BF 0000000-D>6666666

BF 6666666-D>1111111

Exec time: 128.73292517662048 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

252 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 129.73059916496277 seconds

Total cost: 252

BF 0000000-D>6666666

BF 6666666-D>1111111

BF 000000-D>666666

BF 666666-D>111111

Exec time: 107.24298071861267 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

236 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '000000', '100000', '120000', '123000', '123400', '123450', '123456', '123466', '123666', '126666', '166666', '666666', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '666666', '066666', '026666', '023666', '023466', '023456', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 119.16638803482056 seconds

Total cost: 236

BF 0000000-D>6666666

BF 6666666-D>1111111

BF 00000-D>66666

BF 66666-D>11111

Exec time: 101.45400953292847 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

224 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234570', '1234576', '1234566', '1234666', '1236666', '1266666', '1666666', '6666666', '00000', '10000', '12000', '12300', '12340', '12346', '12366', '12666', '16666', '66666', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '6666666', '0666666', '0266666', '0236666', '0234666', '0234566', '0234576', '0234571', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '66666', '06666', '02666', '02366', '02346', '02341', '02311', '02111', '01111', '11111']

Exec time: 192.2793893814087 seconds

Total cost: 224

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 6

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 223

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 252

Stage 2 pyr 76 : 236

Stage 2 pyr 75 : 224

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 559.9943194389343 seconds

# Запуск 5

TESTFILE: solver\_test/new/r4/r4.txt

DiskCount = 20

Column = 9

Err = OK

Cost [1, 2, 2, 4, 4, 6, 6, 7, 7]

[1, 2, 2, 4, 4, 6, 6, 7, 7]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>777777

BF 777777-D>111111

BF 000000-D>777777

BF 777777-D>111111

Exec time: 25.834015607833862 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

228 ['000000', '100000', '120000', '123000', '123400', '123450', '123457', '123477', '123777', '127777', '177777', '777777', '000000', '100000', '120000', '123000', '123400', '123450', '123457', '123477', '123777', '127777', '177777', '777777', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '777777', '077777', '027777', '023777', '023477', '023457', '023451', '023411', '023111', '021111', '011111', '111111', '777777', '077777', '027777', '023777', '023477', '023457', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 120.84357905387878 seconds

Total cost: 228

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>7777777

BF 7777777-D>1111111

BF 0000000-D>7777777

BF 7777777-D>1111111

Exec time: 127.42792463302612 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

254 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111']

Exec time: 128.40759778022766 seconds

Total cost: 254

BF 0000000-D>7777777

BF 7777777-D>1111111

BF 000000-D>777777

BF 777777-D>111111

Exec time: 105.52821111679077 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

240 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '000000', '100000', '120000', '123000', '123400', '123450', '123457', '123477', '123777', '127777', '177777', '777777', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '777777', '077777', '027777', '023777', '023477', '023457', '023451', '023411', '023111', '021111', '011111', '111111']

Exec time: 117.30562543869019 seconds

Total cost: 240

BF 0000000-D>7777777

BF 7777777-D>1111111

BF 00000-D>77777

BF 77777-D>11111

Exec time: 103.82376074790955 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

228 ['0000000', '1000000', '1200000', '1230000', '1234000', '1234500', '1234560', '1234567', '1234577', '1234777', '1237777', '1277777', '1777777', '7777777', '00000', '10000', '12000', '12300', '12340', '12347', '12377', '12777', '17777', '77777', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '7777777', '0777777', '0277777', '0237777', '0234777', '0234577', '0234567', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '77777', '07777', '02777', '02377', '02347', '02341', '02311', '02111', '01111', '11111']

Exec time: 193.88674235343933 seconds

Total cost: 228

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 7

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 228

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 254

Stage 2 pyr 76 : 240

Stage 2 pyr 75 : 228

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 560.4667942523956 seconds

# Запуск 6

TESTFILE: solver\_test/new/r4/r4.txt

DiskCount = 20

Column = 9

Err = OK

Cost [1, 2, 2, 4, 4, 6, 6, 7, 7]

[1, 2, 2, 4, 4, 6, 6, 7, 7]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>111111

BF 111111-D>111111

BF 000000-D>111111

BF 111111-D>111111

Exec time: 13.965256452560425 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

155 ['000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '111111', '111111']

Exec time: 111.3469307422638 seconds

Total cost: 155

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 0000000-D>1111111

BF 1111111-D>1111111

Exec time: 66.3139157295227 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 2400

mkGen #8 840

mkGen #9 180

mkGen #10 25

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

145 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '1111111', '1111111']

Exec time: 67.39301037788391 seconds

Total cost: 145

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 000000-D>111111

BF 111111-D>111111

Exec time: 55.037358045578 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 23400

mkGen #10 6300

mkGen #11 1160

mkGen #12 195

mkGen #13 35

mkGen #14 6

mkGen #15 1

mkGen #16 0

Solved!

BF 0000000-D>1111111

149 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '0000000', '1000000', '1200000', '2200000', '2230000', '2234000', '2234500', '2234560', '2234561', '0234561', '0234511', '0234111', '0231111', '0211111', '0111111', '1111111', '1111111', '111111']

Exec time: 67.03922367095947 seconds

Total cost: 149

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 00000-D>11111

BF 11111-D>11111

Exec time: 52.8022985458374 seconds

mkGen #1 6

mkGen #2 30

mkGen #3 132

mkGen #4 510

mkGen #5 1824

mkGen #6 6330

mkGen #7 21048

mkGen #8 57750

mkGen #9 174696

mkGen #10 409530

mkGen #11 156240

mkGen #12 37920

mkGen #13 5960

mkGen #14 785

mkGen #15 80

mkGen #16 5

mkGen #17 30

mkGen #18 6

mkGen #19 1

mkGen #20 0

Solved!

BF 00000000-D>11111111

155 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '00000000', '10000000', '12000000', '22000000', '22100000', '22130000', '22330000', '22334000', '22334500', '22334560', '22334561', '22034561', '22034511', '22034111', '22031111', '22011111', '22111111', '02111111', '01111111', '11111111', '1111111', '11111']

Exec time: 144.8507056236267 seconds

Total cost: 155

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 1

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 155

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 145

Stage 2 pyr 76 : 149

Stage 2 pyr 75 : 155

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 390.6552224159241 seconds

# R3

# Запуск 1

# Запуск 2

TESTFILE: solver\_test/new/r3/r3.txt

DiskCount = 20

Column = 10

Err = OK

Cost [1, 100, 100, 100, 100, 100, 100, 100, 100, 100]

[1, 100, 100, 100, 100, 100, 100, 100, 100, 100]

STAGE 0: ERR count disk

STAGE 1: ERR count disk

STAGE 2: ERR count disk

STAGE 3: ERR count disk

BF 000000-D>111111

BF 111111-D>111111

BF 000000-D>111111

BF 111111-D>111111

Exec time: 32.18836188316345 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 4438

mkGen #6 17598

mkGen #7 67046

mkGen #8 243810

mkGen #9 783202

mkGen #10 260640

mkGen #11 75240

mkGen #12 14160

mkGen #13 2130

mkGen #14 312

mkGen #15 48

mkGen #16 7

mkGen #17 1

mkGen #18 0

Solved!

BF 00000000-D>11111111

3801 ['000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '00000000', '10000000', '12000000', '22000000', '22300000', '22340000', '22345000', '22345600', '22345670', '22345671', '02345671', '02345611', '02345111', '02341111', '02311111', '02111111', '01111111', '11111111', '111111', '111111']

Exec time: 251.45497035980225 seconds

Total cost: 3801

STAGE 5: ERR count disk

STAGE 6: ERR count disk

STAGE 7: ERR count disk

STAGE 8: ERR count disk

STAGE 9: ERR count disk

STAGE 10: ERR count disk

STAGE 11: ERR count disk

STAGE 12: ERR count disk

STAGE 13: ERR count disk

STAGE 14: ERR count disk

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 0000000-D>1111111

BF 1111111-D>1111111

Exec time: 193.70880436897278 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 4438

mkGen #6 17598

mkGen #7 7200

mkGen #8 1680

mkGen #9 270

mkGen #10 30

mkGen #11 2

mkGen #12 0

Solved!

BF 000000-D>111111

3700 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '1111111', '1111111']

Exec time: 197.3588261604309 seconds

Total cost: 3700

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 000000-D>111111

BF 111111-D>111111

Exec time: 156.11432766914368 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 4438

mkGen #6 17598

mkGen #7 67046

mkGen #8 19440

mkGen #9 7200

mkGen #10 1680

mkGen #11 270

mkGen #12 30

mkGen #13 2

mkGen #14 0

Solved!

BF 0000000-D>1111111

3700 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '000000', '200000', '230000', '234000', '234500', '234560', '234561', '234511', '234111', '231111', '211111', '111111', '0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '1111111', '111111']

Exec time: 169.71023082733154 seconds

Total cost: 3700

BF 0000000-D>1111111

BF 1111111-D>1111111

BF 00000-D>11111

BF 11111-D>11111

Exec time: 156.0682029724121 seconds

mkGen #1 7

mkGen #2 42

mkGen #3 224

mkGen #4 1050

mkGen #5 4438

mkGen #6 17598

mkGen #7 67046

mkGen #8 243810

mkGen #9 783202

mkGen #10 260640

mkGen #11 75240

mkGen #12 14160

mkGen #13 2130

mkGen #14 312

mkGen #15 48

mkGen #16 7

mkGen #17 1

mkGen #18 0

Solved!

BF 00000000-D>11111111

3801 ['0000000', '2000000', '2300000', '2340000', '2345000', '2345600', '2345670', '2345671', '2345611', '2345111', '2341111', '2311111', '2111111', '1111111', '00000', '20000', '23000', '23400', '23450', '23451', '23411', '23111', '21111', '11111', '00000000', '10000000', '12000000', '22000000', '22300000', '22340000', '22345000', '22345600', '22345670', '22345671', '02345671', '02345611', '02345111', '02341111', '02311111', '02111111', '01111111', '11111111', '1111111', '11111']

Exec time: 361.9235665798187 seconds

Total cost: 3801

STAGE 18: ERR count disk

STAGE 19: ERR count disk

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

Dst\_rod = 1

Stage cost

Stage 1 pyr 3 : 0

Stage 1 pyr 4 : 0

Stage 1 pyr 5 : 0

Stage 1 pyr 6 : 0

Stage 2 pyr 66 : 3801

Stage 2 pyr 65 : 0

Stage 2 pyr 64 : 0

Stage 2 pyr 63 : 0

Stage 2 pyr 55 : 0

Stage 2 pyr 54 : 0

Stage 2 pyr 53 : 0

Stage 2 pyr 44 : 0

Stage 2 pyr 43 : 0

Stage 2 pyr 33 : 0

Stage 1 pyr 7 : 0

Stage 2 pyr 77 : 3700

Stage 2 pyr 76 : 3700

Stage 2 pyr 75 : 3801

Stage 2 pyr 74 : 0

Stage 2 pyr 73 : 0

Exec time: 980.4792132377625 seconds