```
************************************************************

    NEOS Server Version 5.0
    Job#     : 7688224
    Password : OAokGBaP
    User     : None
    Solver   : lp:CPLEX:AMPL
    Start    : 2019-11-17 20:09:05
    End      : 2019-11-17 20:09:21
    Host     : NEOS HTCondor Pool

    Disclaimer:

    This information is provided without any express or
    implied warranty. In particular, there is no warranty
    of any kind concerning the fitness of this
    information  for any particular purpose.
************************************************************
File exists
You are using the solver cplexamp.
Checking ampl.mod for cplex_options...
Checking ampl.com for cplex_options...
Executing AMPL.
processing data.
processing commands.
Executing on prod-exec-6.neos-server.org

146640 variables, all linear
7480 constraints, all linear; 579792 nonzeros
        6352 equality constraints
        1128 inequality constraints
1 linear objective; 144384 nonzeros.
```

```
CPLEX 12.9.0.0: threads=4
CPLEX 12.9.0.0: optimal solution; objective 33315297680
7248 dual simplex iterations (0 in phase I)
cost_of_arcs = 33315300000


+++++++++
Num of Long Links utilization
+++++++++
1 46: 46369
1 50: 244
2 47: 5273
5 35: 37484
35 5: 42516
46 1: 33631
47 2: 13452
+++++++++
Num of Links utilization
+++++++++
flowsum 1 2: 17277
flowsum 1 9: 16246
flowsum 1 46: 46369
flowsum 1 50: 244
flowsum 2 1: 22723
flowsum 2 3: 17769
flowsum 2 10: 14503
flowsum 2 47: 5273
flowsum 3 2: 17450
flowsum 3 4: 14293
flowsum 3 11: 9776
flowsum 4 3: 15352
flowsum 4 5: 15537
flowsum 4 12: 9330
flowsum 5 4: 19081
flowsum 5 6: 19849
flowsum 5 13: 20903
flowsum 5 35: 37484
flowsum 6 5: 20151
flowsum 6 7: 10914
flowsum 6 14: 7967
flowsum 7 6: 9255
flowsum 7 8: 5163
flowsum 7 15: 3459
flowsum 8 7: 4775
flowsum 8 16: 1924
flowsum 9 1: 23754
flowsum 9 10: 6925
flowsum 9 17: 10073
flowsum 10 2: 12011
flowsum 10 9: 14248
```

```
flowsum 10 11: 9204
flowsum 10 18: 12395
flowsum 11 3: 8505
flowsum 11 10: 15890
flowsum 11 12: 10167
flowsum 11 19: 9920
flowsum 12 4: 6857
flowsum 12 11: 15268
flowsum 12 13: 11790
flowsum 12 20: 5580
flowsum 13 5: 19097
flowsum 13 12: 10697
flowsum 13 14: 15476
flowsum 13 21: 12560
flowsum 14 6: 9910
flowsum 14 13: 15210
flowsum 14 15: 11323
flowsum 14 22: 8555
flowsum 15 7: 2145
flowsum 15 14: 11445
flowsum 15 16: 5612
flowsum 15 23: 5701
flowsum 16 8: 1486
flowsum 16 15: 5398
flowsum 16 24: 2573
flowsum 17 9: 10130
flowsum 17 18: 4326
flowsum 17 25: 5474
flowsum 18 10: 10552
flowsum 18 17: 5087
flowsum 18 19: 10280
flowsum 18 26: 5197
flowsum 19 11: 10175
flowsum 19 18: 8320
flowsum 19 20: 12598
flowsum 19 27: 5691
flowsum 20 12: 9329
flowsum 20 19: 10381
flowsum 20 21: 11088
flowsum 20 28: 4323
flowsum 21 13: 9904
flowsum 21 20: 10508
flowsum 21 22: 11343
flowsum 21 29: 6076
flowsum 22 14: 10033
flowsum 22 21: 9967
flowsum 22 23: 9943
flowsum 22 30: 5714
flowsum 23 15: 4696
```

```
flowsum 23 22: 10147
flowsum 23 24: 5641
flowsum 23 31: 4619
flowsum 24 16: 1924
flowsum 24 23: 5739
flowsum 24 32: 2212
flowsum 25 17: 4859
flowsum 25 26: 3763
flowsum 26 18: 5943
flowsum 26 25: 3195
flowsum 26 27: 6447
flowsum 27 19: 6326
flowsum 27 26: 6709
flowsum 27 28: 7749
flowsum 28 20: 6681
flowsum 28 27: 8568
flowsum 28 29: 7857
flowsum 29 21: 4355
flowsum 29 28: 11152
flowsum 29 30: 7737
flowsum 30 22: 5580
flowsum 30 29: 9366
flowsum 30 31: 6911
flowsum 31 23: 3886
flowsum 31 30: 8426
flowsum 31 32: 4412
flowsum 32 24: 1489
flowsum 32 31: 5236
flowsum 33 34: 4837
flowsum 33 41: 2837
flowsum 34 33: 6265
flowsum 34 35: 13151
flowsum 34 42: 6713
flowsum 35 5: 42516
flowsum 35 34: 15299
flowsum 35 36: 11714
flowsum 35 43: 19528
flowsum 36 35: 18014
flowsum 36 37: 8494
flowsum 36 44: 4214
flowsum 37 36: 10900
flowsum 37 38: 6658
flowsum 37 45: 3210
flowsum 38 37: 6612
flowsum 38 39: 2680
flowsum 38 46: 5407
flowsum 39 38: 2462
flowsum 39 40: 2860
flowsum 39 47: 3853
```

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flowsum 40 39: 594
flowsum 40 48: 5216
flowsum 41 33: 1310
flowsum 41 42: 7531
flowsum 41 49: 3302
flowsum 42 34: 6076
flowsum 42 41: 5568
flowsum 42 43: 12417
flowsum 42 50: 5185
flowsum 43 35: 20378
flowsum 43 42: 8152
flowsum 43 44: 10577
flowsum 43 51: 13946
flowsum 44 36: 8307
flowsum 44 43: 12871
flowsum 44 45: 12533
flowsum 44 52: 8584
flowsum 45 37: 5775
flowsum 45 44: 19902
flowsum 45 46: 16488
flowsum 45 53: 5852
flowsum 46 1: 33631
flowsum 46 38: 5619
flowsum 46 45: 23512
flowsum 46 47: 20622
flowsum 46 54: 12577
flowsum 47 2: 13452
flowsum 47 39: 5903
flowsum 47 46: 15897
flowsum 47 48: 8990
flowsum 47 55: 15146
flowsum 48 40: 2861
flowsum 48 47: 9783
flowsum 48 56: 2084
flowsum 49 41: 3673
flowsum 49 50: 5498
flowsum 49 57: 2364
flowsum 50 42: 6635
flowsum 50 49: 4814
flowsum 50 51: 7992
flowsum 50 58: 3822
flowsum 51 43: 8234
flowsum 51 50: 8652
flowsum 51 52: 9469
flowsum 51 59: 7735
flowsum 52 44: 7651
flowsum 52 51: 8133
flowsum 52 53: 10414
flowsum 52 60: 4708
```

```
flowsum 53 45: 8748
flowsum 53 52: 7230
flowsum 53 54: 8693
flowsum 53 61: 3559
flowsum 54 46: 11941
flowsum 54 53: 7343
flowsum 54 55: 6898
flowsum 54 62: 7318
flowsum 55 47: 19846
flowsum 55 54: 5799
flowsum 55 56: 5997
flowsum 55 63: 6795
flowsum 56 48: 506
flowsum 56 55: 5460
flowsum 56 64: 2680
flowsum 57 49: 3472
flowsum 57 58: 3097
flowsum 58 50: 3613
flowsum 58 57: 4343
flowsum 58 59: 5779
flowsum 59 51: 4074
flowsum 59 58: 6605
flowsum 59 60: 8451
flowsum 60 52: 5610
flowsum 60 59: 5589
flowsum 60 61: 7275
flowsum 61 53: 4580
flowsum 61 60: 5022
flowsum 61 62: 6197
flowsum 62 54: 6384
flowsum 62 61: 5167
flowsum 62 63: 3378
flowsum 63 55: 10940
flowsum 63 62: 1576
flowsum 63 64: 2929
flowsum 64 56: 352
flowsum 64 63: 5226
+++++++++
set ARCS_ED :=
(1,2)      (9,34)     (17,9)     (24,61)    (33,1)     (41,5)     (49,1)     (56,32)
(1,9)      (9,35)     (17,18)    (24,62)    (33,2)     (41,6)     (49,2)     (56,48)
(1,33)     (9,36)     (17,25)    (24,63)    (33,3)     (41,7)     (49,3)     (56,55)
(1,34)     (9,37)     (17,33)    (24,64)    (33,4)     (41,8)     (49,4)     (56,64)
(1,35)     (9,38)     (17,34)    (25,17)    (33,5)     (41,9)     (49,5)     (57,1)
(1,36)     (9,39)     (17,35)    (25,26)    (33,6)     (41,10)    (49,6)     (57,2)
(1,37)     (9,40)     (17,36)    (25,33)    (33,7)     (41,11)    (49,7)     (57,3)
(1,38)     (9,41)     (17,37)    (25,34)    (33,8)     (41,12)    (49,8)     (57,4)
(1,39)     (9,42)     (17,38)    (25,35)    (33,9)     (41,13)    (49,9)     (57,5)
(1,40)     (9,43)     (17,39)    (25,36)    (33,10)    (41,14)    (49,10)    (57,6)
```

(1,41)	(9,44)	(17,40)	(25,37)	(33,11)	(41,15)	(49,11)	(57,7)
(1,42)	(9,45)	(17,41)	(25,38)	(33,12)	(41,16)	(49,12)	(57,8)
(1,43)	(9,46)	(17,42)	(25,39)	(33,13)	(41,17)	(49,13)	(57,9)
(1,44)	(9,47)	(17,43)	(25,40)	(33,14)	(41,18)	(49,14)	(57,10)
(1,45)	(9,48)	(17,44)	(25,41)	(33,15)	(41,19)	(49,15)	(57,11)
(1,46)	(9,49)	(17,45)	(25,42)	(33,16)	(41,20)	(49,16)	(57,12)
(1,47)	(9,50)	(17,46)	(25,43)	(33,17)	(41,21)	(49,17)	(57,13)
(1,48)	(9,51)	(17,47)	(25,44)	(33,18)	(41,22)	(49,18)	(57,14)
(1,49)	(9,52)	(17,48)	(25,45)	(33,19)	(41,23)	(49,19)	(57,15)
(1,50)	(9,53)	(17,49)	(25,46)	(33,20)	(41,24)	(49,20)	(57,16)
(1,51)	(9,54)	(17,50)	(25,47)	(33,21)	(41,25)	(49,21)	(57,17)
(1,52)	(9,55)	(17,51)	(25,48)	(33,22)	(41,26)	(49,22)	(57,18)
(1,53)	(9,56)	(17,52)	(25,49)	(33,23)	(41,27)	(49,23)	(57,19)
(1,54)	(9,57)	(17,53)	(25,50)	(33,24)	(41,28)	(49,24)	(57,20)
(1,55)	(9,58)	(17,54)	(25,51)	(33,25)	(41,29)	(49,25)	(57,21)
(1,56)	(9,59)	(17,55)	(25,52)	(33,26)	(41,30)	(49,26)	(57,22)
(1,57)	(9,60)	(17,56)	(25,53)	(33,27)	(41,31)	(49,27)	(57,23)
(1,58)	(9,61)	(17,57)	(25,54)	(33,28)	(41,32)	(49,28)	(57,24)
(1,59)	(9,62)	(17,58)	(25,55)	(33,29)	(41,33)	(49,29)	(57,25)
(1,60)	(9,63)	(17,59)	(25,56)	(33,30)	(41,42)	(49,30)	(57,26)
(1,61)	(9,64)	(17,60)	(25,57)	(33,31)	(41,49)	(49,31)	(57,27)
(1,62)	(10,2)	(17,61)	(25,58)	(33,32)	(42,1)	(49,32)	(57,28)
(1,63)	(10,9)	(17,62)	(25,59)	(33,34)	(42,2)	(49,41)	(57,29)
(1,64)	(10,11)	(17,63)	(25,60)	(33,41)	(42,3)	(49,50)	(57,30)
(2,1)	(10,18)	(17,64)	(25,61)	(34,1)	(42,4)	(49,57)	(57,31)
(2,3)	(10,33)	(18,10)	(25,62)	(34,2)	(42,5)	(50,1)	(57,32)
(2,10)	(10,34)	(18,17)	(25,63)	(34,3)	(42,6)	(50,2)	(57,49)
(2,33)	(10,35)	(18,19)	(25,64)	(34,4)	(42,7)	(50,3)	(57,58)
(2,34)	(10,36)	(18,26)	(26,18)	(34,5)	(42,8)	(50,4)	(58,1)
(2,35)	(10,37)	(18,33)	(26,25)	(34,6)	(42,9)	(50,5)	(58,2)
(2,36)	(10,38)	(18,34)	(26,27)	(34,7)	(42,10)	(50,6)	(58,3)
(2,37)	(10,39)	(18,35)	(26,33)	(34,8)	(42,11)	(50,7)	(58,4)
(2,38)	(10,40)	(18,36)	(26,34)	(34,9)	(42,12)	(50,8)	(58,5)
(2,39)	(10,41)	(18,37)	(26,35)	(34,10)	(42,13)	(50,9)	(58,6)
(2,40)	(10,42)	(18,38)	(26,36)	(34,11)	(42,14)	(50,10)	(58,7)
(2,41)	(10,43)	(18,39)	(26,37)	(34,12)	(42,15)	(50,11)	(58,8)
(2,42)	(10,44)	(18,40)	(26,38)	(34,13)	(42,16)	(50,12)	(58,9)
(2,43)	(10,45)	(18,41)	(26,39)	(34,14)	(42,17)	(50,13)	(58,10)
(2,44)	(10,46)	(18,42)	(26,40)	(34,15)	(42,18)	(50,14)	(58,11)
(2,45)	(10,47)	(18,43)	(26,41)	(34,16)	(42,19)	(50,15)	(58,12)
(2,46)	(10,48)	(18,44)	(26,42)	(34,17)	(42,20)	(50,16)	(58,13)
(2,47)	(10,49)	(18,45)	(26,43)	(34,18)	(42,21)	(50,17)	(58,14)
(2,48)	(10,50)	(18,46)	(26,44)	(34,19)	(42,22)	(50,18)	(58,15)
(2,49)	(10,51)	(18,47)	(26,45)	(34,20)	(42,23)	(50,19)	(58,16)
(2,50)	(10,52)	(18,48)	(26,46)	(34,21)	(42,24)	(50,20)	(58,17)
(2,51)	(10,53)	(18,49)	(26,47)	(34,22)	(42,25)	(50,21)	(58,18)
(2,52)	(10,54)	(18,50)	(26,48)	(34,23)	(42,26)	(50,22)	(58,19)
(2,53)	(10,55)	(18,51)	(26,49)	(34,24)	(42,27)	(50,23)	(58,20)
(2,54)	(10,56)	(18,52)	(26,50)	(34,25)	(42,28)	(50,24)	(58,21)

(2,55)	(10,57)	(18,53)	(26,51)	(34,26)	(42,29)	(50,25)	(58,22)
(2,56)	(10,58)	(18,54)	(26,52)	(34,27)	(42,30)	(50,26)	(58,23)
(2,57)	(10,59)	(18,55)	(26,53)	(34,28)	(42,31)	(50,27)	(58,24)
(2,58)	(10,60)	(18,56)	(26,54)	(34,29)	(42,32)	(50,28)	(58,25)
(2,59)	(10,61)	(18,57)	(26,55)	(34,30)	(42,34)	(50,29)	(58,26)
(2,60)	(10,62)	(18,58)	(26,56)	(34,31)	(42,41)	(50,30)	(58,27)
(2,61)	(10,63)	(18,59)	(26,57)	(34,32)	(42,43)	(50,31)	(58,28)
(2,62)	(10,64)	(18,60)	(26,58)	(34,33)	(42,50)	(50,32)	(58,29)
(2,63)	(11,3)	(18,61)	(26,59)	(34,35)	(43,1)	(50,42)	(58,30)
(2,64)	(11,10)	(18,62)	(26,60)	(34,42)	(43,2)	(50,49)	(58,31)
(3,2)	(11,12)	(18,63)	(26,61)	(35,1)	(43,3)	(50,51)	(58,32)
(3,4)	(11,19)	(18,64)	(26,62)	(35,2)	(43,4)	(50,58)	(58,50)
(3,11)	(11,33)	(19,11)	(26,63)	(35,3)	(43,5)	(51,1)	(58,57)
(3,33)	(11,34)	(19,18)	(26,64)	(35,4)	(43,6)	(51,2)	(58,59)
(3,34)	(11,35)	(19,20)	(27,19)	(35,5)	(43,7)	(51,3)	(59,1)
(3,35)	(11,36)	(19,27)	(27,26)	(35,6)	(43,8)	(51,4)	(59,2)
(3,36)	(11,37)	(19,33)	(27,28)	(35,7)	(43,9)	(51,5)	(59,3)
(3,37)	(11,38)	(19,34)	(27,33)	(35,8)	(43,10)	(51,6)	(59,4)
(3,38)	(11,39)	(19,35)	(27,34)	(35,9)	(43,11)	(51,7)	(59,5)
(3,39)	(11,40)	(19,36)	(27,35)	(35,10)	(43,12)	(51,8)	(59,6)
(3,40)	(11,41)	(19,37)	(27,36)	(35,11)	(43,13)	(51,9)	(59,7)
(3,41)	(11,42)	(19,38)	(27,37)	(35,12)	(43,14)	(51,10)	(59,8)
(3,42)	(11,43)	(19,39)	(27,38)	(35,13)	(43,15)	(51,11)	(59,9)
(3,43)	(11,44)	(19,40)	(27,39)	(35,14)	(43,16)	(51,12)	(59,10)
(3,44)	(11,45)	(19,41)	(27,40)	(35,15)	(43,17)	(51,13)	(59,11)
(3,45)	(11,46)	(19,42)	(27,41)	(35,16)	(43,18)	(51,14)	(59,12)
(3,46)	(11,47)	(19,43)	(27,42)	(35,17)	(43,19)	(51,15)	(59,13)
(3,47)	(11,48)	(19,44)	(27,43)	(35,18)	(43,20)	(51,16)	(59,14)
(3,48)	(11,49)	(19,45)	(27,44)	(35,19)	(43,21)	(51,17)	(59,15)
(3,49)	(11,50)	(19,46)	(27,45)	(35,20)	(43,22)	(51,18)	(59,16)
(3,50)	(11,51)	(19,47)	(27,46)	(35,21)	(43,23)	(51,19)	(59,17)
(3,51)	(11,52)	(19,48)	(27,47)	(35,22)	(43,24)	(51,20)	(59,18)
(3,52)	(11,53)	(19,49)	(27,48)	(35,23)	(43,25)	(51,21)	(59,19)
(3,53)	(11,54)	(19,50)	(27,49)	(35,24)	(43,26)	(51,22)	(59,20)
(3,54)	(11,55)	(19,51)	(27,50)	(35,25)	(43,27)	(51,23)	(59,21)
(3,55)	(11,56)	(19,52)	(27,51)	(35,26)	(43,28)	(51,24)	(59,22)
(3,56)	(11,57)	(19,53)	(27,52)	(35,27)	(43,29)	(51,25)	(59,23)
(3,57)	(11,58)	(19,54)	(27,53)	(35,28)	(43,30)	(51,26)	(59,24)
(3,58)	(11,59)	(19,55)	(27,54)	(35,29)	(43,31)	(51,27)	(59,25)
(3,59)	(11,60)	(19,56)	(27,55)	(35,30)	(43,32)	(51,28)	(59,26)
(3,60)	(11,61)	(19,57)	(27,56)	(35,31)	(43,35)	(51,29)	(59,27)
(3,61)	(11,62)	(19,58)	(27,57)	(35,32)	(43,42)	(51,30)	(59,28)
(3,62)	(11,63)	(19,59)	(27,58)	(35,34)	(43,44)	(51,31)	(59,29)
(3,63)	(11,64)	(19,60)	(27,59)	(35,36)	(43,51)	(51,32)	(59,30)
(3,64)	(12,4)	(19,61)	(27,60)	(35,43)	(44,1)	(51,43)	(59,31)
(4,3)	(12,11)	(19,62)	(27,61)	(36,1)	(44,2)	(51,50)	(59,32)
(4,5)	(12,13)	(19,63)	(27,62)	(36,2)	(44,3)	(51,52)	(59,51)
(4,12)	(12,20)	(19,64)	(27,63)	(36,3)	(44,4)	(51,59)	(59,58)
(4,33)	(12,33)	(20,12)	(27,64)	(36,4)	(44,5)	(52,1)	(59,60)

```
(4,34)    (12,34)    (20,19)    (28,20)    (36,5)     (44,6)     (52,2)     (60,1)
(4,35)    (12,35)    (20,21)    (28,27)    (36,6)     (44,7)     (52,3)     (60,2)
(4,36)    (12,36)    (20,28)    (28,29)    (36,7)     (44,8)     (52,4)     (60,3)
(4,37)    (12,37)    (20,33)    (28,33)    (36,8)     (44,9)     (52,5)     (60,4)
(4,38)    (12,38)    (20,34)    (28,34)    (36,9)     (44,10)    (52,6)     (60,5)
(4,39)    (12,39)    (20,35)    (28,35)    (36,10)    (44,11)    (52,7)     (60,6)
(4,40)    (12,40)    (20,36)    (28,36)    (36,11)    (44,12)    (52,8)     (60,7)
(4,41)    (12,41)    (20,37)    (28,37)    (36,12)    (44,13)    (52,9)     (60,8)
(4,42)    (12,42)    (20,38)    (28,38)    (36,13)    (44,14)    (52,10)    (60,9)
(4,43)    (12,43)    (20,39)    (28,39)    (36,14)    (44,15)    (52,11)    (60,10)
(4,44)    (12,44)    (20,40)    (28,40)    (36,15)    (44,16)    (52,12)    (60,11)
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(4,48)    (12,48)    (20,44)    (28,44)    (36,19)    (44,20)    (52,16)    (60,15)
(4,49)    (12,49)    (20,45)    (28,45)    (36,20)    (44,21)    (52,17)    (60,16)
(4,50)    (12,50)    (20,46)    (28,46)    (36,21)    (44,22)    (52,18)    (60,17)
(4,51)    (12,51)    (20,47)    (28,47)    (36,22)    (44,23)    (52,19)    (60,18)
(4,52)    (12,52)    (20,48)    (28,48)    (36,23)    (44,24)    (52,20)    (60,19)
(4,53)    (12,53)    (20,49)    (28,49)    (36,24)    (44,25)    (52,21)    (60,20)
(4,54)    (12,54)    (20,50)    (28,50)    (36,25)    (44,26)    (52,22)    (60,21)
(4,55)    (12,55)    (20,51)    (28,51)    (36,26)    (44,27)    (52,23)    (60,22)
(4,56)    (12,56)    (20,52)    (28,52)    (36,27)    (44,28)    (52,24)    (60,23)
(4,57)    (12,57)    (20,53)    (28,53)    (36,28)    (44,29)    (52,25)    (60,24)
(4,58)    (12,58)    (20,54)    (28,54)    (36,29)    (44,30)    (52,26)    (60,25)
(4,59)    (12,59)    (20,55)    (28,55)    (36,30)    (44,31)    (52,27)    (60,26)
(4,60)    (12,60)    (20,56)    (28,56)    (36,31)    (44,32)    (52,28)    (60,27)
(4,61)    (12,61)    (20,57)    (28,57)    (36,32)    (44,36)    (52,29)    (60,28)
(4,62)    (12,62)    (20,58)    (28,58)    (36,35)    (44,43)    (52,30)    (60,29)
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(4,64)    (12,64)    (20,60)    (28,60)    (36,44)    (44,52)    (52,32)    (60,31)
(5,4)     (13,5)     (20,61)    (28,61)    (37,1)     (45,1)     (52,44)    (60,32)
(5,6)     (13,12)    (20,62)    (28,62)    (37,2)     (45,2)     (52,51)    (60,52)
(5,13)    (13,14)    (20,63)    (28,63)    (37,3)     (45,3)     (52,53)    (60,59)
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(5,34)    (13,33)    (21,13)    (29,21)    (37,5)     (45,5)     (53,1)     (61,1)
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(5,36)    (13,35)    (21,22)    (29,30)    (37,7)     (45,7)     (53,3)     (61,3)
(5,37)    (13,36)    (21,29)    (29,33)    (37,8)     (45,8)     (53,4)     (61,4)
(5,38)    (13,37)    (21,33)    (29,34)    (37,9)     (45,9)     (53,5)     (61,5)
(5,39)    (13,38)    (21,34)    (29,35)    (37,10)    (45,10)    (53,6)     (61,6)
(5,40)    (13,39)    (21,35)    (29,36)    (37,11)    (45,11)    (53,7)     (61,7)
(5,41)    (13,40)    (21,36)    (29,37)    (37,12)    (45,12)    (53,8)     (61,8)
(5,42)    (13,41)    (21,37)    (29,38)    (37,13)    (45,13)    (53,9)     (61,9)
(5,43)    (13,42)    (21,38)    (29,39)    (37,14)    (45,14)    (53,10)    (61,10)
(5,44)    (13,43)    (21,39)    (29,40)    (37,15)    (45,15)    (53,11)    (61,11)
(5,45)    (13,44)    (21,40)    (29,41)    (37,16)    (45,16)    (53,12)    (61,12)
(5,46)    (13,45)    (21,41)    (29,42)    (37,17)    (45,17)    (53,13)    (61,13)
(5,47)    (13,46)    (21,42)    (29,43)    (37,18)    (45,18)    (53,14)    (61,14)
```

(5,48)	(13,47)	(21,43)	(29,44)	(37,19)	(45,19)	(53,15)	(61,15)
(5,49)	(13,48)	(21,44)	(29,45)	(37,20)	(45,20)	(53,16)	(61,16)
(5,50)	(13,49)	(21,45)	(29,46)	(37,21)	(45,21)	(53,17)	(61,17)
(5,51)	(13,50)	(21,46)	(29,47)	(37,22)	(45,22)	(53,18)	(61,18)
(5,52)	(13,51)	(21,47)	(29,48)	(37,23)	(45,23)	(53,19)	(61,19)
(5,53)	(13,52)	(21,48)	(29,49)	(37,24)	(45,24)	(53,20)	(61,20)
(5,54)	(13,53)	(21,49)	(29,50)	(37,25)	(45,25)	(53,21)	(61,21)
(5,55)	(13,54)	(21,50)	(29,51)	(37,26)	(45,26)	(53,22)	(61,22)
(5,56)	(13,55)	(21,51)	(29,52)	(37,27)	(45,27)	(53,23)	(61,23)
(5,57)	(13,56)	(21,52)	(29,53)	(37,28)	(45,28)	(53,24)	(61,24)
(5,58)	(13,57)	(21,53)	(29,54)	(37,29)	(45,29)	(53,25)	(61,25)
(5,59)	(13,58)	(21,54)	(29,55)	(37,30)	(45,30)	(53,26)	(61,26)
(5,60)	(13,59)	(21,55)	(29,56)	(37,31)	(45,31)	(53,27)	(61,27)
(5,61)	(13,60)	(21,56)	(29,57)	(37,32)	(45,32)	(53,28)	(61,28)
(5,62)	(13,61)	(21,57)	(29,58)	(37,36)	(45,37)	(53,29)	(61,29)
(5,63)	(13,62)	(21,58)	(29,59)	(37,38)	(45,44)	(53,30)	(61,30)
(5,64)	(13,63)	(21,59)	(29,60)	(37,45)	(45,46)	(53,31)	(61,31)
(6,5)	(13,64)	(21,60)	(29,61)	(38,1)	(45,53)	(53,32)	(61,32)
(6,7)	(14,6)	(21,61)	(29,62)	(38,2)	(46,1)	(53,45)	(61,53)
(6,14)	(14,13)	(21,62)	(29,63)	(38,3)	(46,2)	(53,52)	(61,60)
(6,33)	(14,15)	(21,63)	(29,64)	(38,4)	(46,3)	(53,54)	(61,62)
(6,34)	(14,22)	(21,64)	(30,22)	(38,5)	(46,4)	(53,61)	(62,1)
(6,35)	(14,33)	(22,14)	(30,29)	(38,6)	(46,5)	(54,1)	(62,2)
(6,36)	(14,34)	(22,21)	(30,31)	(38,7)	(46,6)	(54,2)	(62,3)
(6,37)	(14,35)	(22,23)	(30,33)	(38,8)	(46,7)	(54,3)	(62,4)
(6,38)	(14,36)	(22,30)	(30,34)	(38,9)	(46,8)	(54,4)	(62,5)
(6,39)	(14,37)	(22,33)	(30,35)	(38,10)	(46,9)	(54,5)	(62,6)
(6,40)	(14,38)	(22,34)	(30,36)	(38,11)	(46,10)	(54,6)	(62,7)
(6,41)	(14,39)	(22,35)	(30,37)	(38,12)	(46,11)	(54,7)	(62,8)
(6,42)	(14,40)	(22,36)	(30,38)	(38,13)	(46,12)	(54,8)	(62,9)
(6,43)	(14,41)	(22,37)	(30,39)	(38,14)	(46,13)	(54,9)	(62,10)
(6,44)	(14,42)	(22,38)	(30,40)	(38,15)	(46,14)	(54,10)	(62,11)
(6,45)	(14,43)	(22,39)	(30,41)	(38,16)	(46,15)	(54,11)	(62,12)
(6,46)	(14,44)	(22,40)	(30,42)	(38,17)	(46,16)	(54,12)	(62,13)
(6,47)	(14,45)	(22,41)	(30,43)	(38,18)	(46,17)	(54,13)	(62,14)
(6,48)	(14,46)	(22,42)	(30,44)	(38,19)	(46,18)	(54,14)	(62,15)
(6,49)	(14,47)	(22,43)	(30,45)	(38,20)	(46,19)	(54,15)	(62,16)
(6,50)	(14,48)	(22,44)	(30,46)	(38,21)	(46,20)	(54,16)	(62,17)
(6,51)	(14,49)	(22,45)	(30,47)	(38,22)	(46,21)	(54,17)	(62,18)
(6,52)	(14,50)	(22,46)	(30,48)	(38,23)	(46,22)	(54,18)	(62,19)
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(6,54)	(14,52)	(22,48)	(30,50)	(38,25)	(46,24)	(54,20)	(62,21)
(6,55)	(14,53)	(22,49)	(30,51)	(38,26)	(46,25)	(54,21)	(62,22)
(6,56)	(14,54)	(22,50)	(30,52)	(38,27)	(46,26)	(54,22)	(62,23)
(6,57)	(14,55)	(22,51)	(30,53)	(38,28)	(46,27)	(54,23)	(62,24)
(6,58)	(14,56)	(22,52)	(30,54)	(38,29)	(46,28)	(54,24)	(62,25)
(6,59)	(14,57)	(22,53)	(30,55)	(38,30)	(46,29)	(54,25)	(62,26)
(6,60)	(14,58)	(22,54)	(30,56)	(38,31)	(46,30)	(54,26)	(62,27)
(6,61)	(14,59)	(22,55)	(30,57)	(38,32)	(46,31)	(54,27)	(62,28)

(6,62)	(14,60)	(22,56)	(30,58)	(38,37)	(46,32)	(54,28)	(62,29)
(6,63)	(14,61)	(22,57)	(30,59)	(38,39)	(46,38)	(54,29)	(62,30)
(6,64)	(14,62)	(22,58)	(30,60)	(38,46)	(46,45)	(54,30)	(62,31)
(7,6)	(14,63)	(22,59)	(30,61)	(39,1)	(46,47)	(54,31)	(62,32)
(7,8)	(14,64)	(22,60)	(30,62)	(39,2)	(46,54)	(54,32)	(62,54)
(7,15)	(15,7)	(22,61)	(30,63)	(39,3)	(47,1)	(54,46)	(62,61)
(7,33)	(15,14)	(22,62)	(30,64)	(39,4)	(47,2)	(54,53)	(62,63)
(7,34)	(15,16)	(22,63)	(31,23)	(39,5)	(47,3)	(54,55)	(63,1)
(7,35)	(15,23)	(22,64)	(31,30)	(39,6)	(47,4)	(54,62)	(63,2)
(7,36)	(15,33)	(23,15)	(31,32)	(39,7)	(47,5)	(55,1)	(63,3)
(7,37)	(15,34)	(23,22)	(31,33)	(39,8)	(47,6)	(55,2)	(63,4)
(7,38)	(15,35)	(23,24)	(31,34)	(39,9)	(47,7)	(55,3)	(63,5)
(7,39)	(15,36)	(23,31)	(31,35)	(39,10)	(47,8)	(55,4)	(63,6)
(7,40)	(15,37)	(23,33)	(31,36)	(39,11)	(47,9)	(55,5)	(63,7)
(7,41)	(15,38)	(23,34)	(31,37)	(39,12)	(47,10)	(55,6)	(63,8)
(7,42)	(15,39)	(23,35)	(31,38)	(39,13)	(47,11)	(55,7)	(63,9)
(7,43)	(15,40)	(23,36)	(31,39)	(39,14)	(47,12)	(55,8)	(63,10)
(7,44)	(15,41)	(23,37)	(31,40)	(39,15)	(47,13)	(55,9)	(63,11)
(7,45)	(15,42)	(23,38)	(31,41)	(39,16)	(47,14)	(55,10)	(63,12)
(7,46)	(15,43)	(23,39)	(31,42)	(39,17)	(47,15)	(55,11)	(63,13)
(7,47)	(15,44)	(23,40)	(31,43)	(39,18)	(47,16)	(55,12)	(63,14)
(7,48)	(15,45)	(23,41)	(31,44)	(39,19)	(47,17)	(55,13)	(63,15)
(7,49)	(15,46)	(23,42)	(31,45)	(39,20)	(47,18)	(55,14)	(63,16)
(7,50)	(15,47)	(23,43)	(31,46)	(39,21)	(47,19)	(55,15)	(63,17)
(7,51)	(15,48)	(23,44)	(31,47)	(39,22)	(47,20)	(55,16)	(63,18)
(7,52)	(15,49)	(23,45)	(31,48)	(39,23)	(47,21)	(55,17)	(63,19)
(7,53)	(15,50)	(23,46)	(31,49)	(39,24)	(47,22)	(55,18)	(63,20)
(7,54)	(15,51)	(23,47)	(31,50)	(39,25)	(47,23)	(55,19)	(63,21)
(7,55)	(15,52)	(23,48)	(31,51)	(39,26)	(47,24)	(55,20)	(63,22)
(7,56)	(15,53)	(23,49)	(31,52)	(39,27)	(47,25)	(55,21)	(63,23)
(7,57)	(15,54)	(23,50)	(31,53)	(39,28)	(47,26)	(55,22)	(63,24)
(7,58)	(15,55)	(23,51)	(31,54)	(39,29)	(47,27)	(55,23)	(63,25)
(7,59)	(15,56)	(23,52)	(31,55)	(39,30)	(47,28)	(55,24)	(63,26)
(7,60)	(15,57)	(23,53)	(31,56)	(39,31)	(47,29)	(55,25)	(63,27)
(7,61)	(15,58)	(23,54)	(31,57)	(39,32)	(47,30)	(55,26)	(63,28)
(7,62)	(15,59)	(23,55)	(31,58)	(39,38)	(47,31)	(55,27)	(63,29)
(7,63)	(15,60)	(23,56)	(31,59)	(39,40)	(47,32)	(55,28)	(63,30)
(7,64)	(15,61)	(23,57)	(31,60)	(39,47)	(47,39)	(55,29)	(63,31)
(8,7)	(15,62)	(23,58)	(31,61)	(40,1)	(47,46)	(55,30)	(63,32)
(8,16)	(15,63)	(23,59)	(31,62)	(40,2)	(47,48)	(55,31)	(63,55)
(8,33)	(15,64)	(23,60)	(31,63)	(40,3)	(47,55)	(55,32)	(63,62)
(8,34)	(16,8)	(23,61)	(31,64)	(40,4)	(48,1)	(55,47)	(63,64)
(8,35)	(16,15)	(23,62)	(32,24)	(40,5)	(48,2)	(55,54)	(64,1)
(8,36)	(16,24)	(23,63)	(32,31)	(40,6)	(48,3)	(55,56)	(64,2)
(8,37)	(16,33)	(23,64)	(32,33)	(40,7)	(48,4)	(55,63)	(64,3)
(8,38)	(16,34)	(24,16)	(32,34)	(40,8)	(48,5)	(56,1)	(64,4)
(8,39)	(16,35)	(24,23)	(32,35)	(40,9)	(48,6)	(56,2)	(64,5)
(8,40)	(16,36)	(24,32)	(32,36)	(40,10)	(48,7)	(56,3)	(64,6)
(8,41)	(16,37)	(24,33)	(32,37)	(40,11)	(48,8)	(56,4)	(64,7)

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(8,42)     (16,38)     (24,34)     (32,38)     (40,12)     (48,9)      (56,5)      (64,8)
(8,43)     (16,39)     (24,35)     (32,39)     (40,13)     (48,10)     (56,6)      (64,9)
(8,44)     (16,40)     (24,36)     (32,40)     (40,14)     (48,11)     (56,7)      (64,10)
(8,45)     (16,41)     (24,37)     (32,41)     (40,15)     (48,12)     (56,8)      (64,11)
(8,46)     (16,42)     (24,38)     (32,42)     (40,16)     (48,13)     (56,9)      (64,12)
(8,47)     (16,43)     (24,39)     (32,43)     (40,17)     (48,14)     (56,10)     (64,13)
(8,48)     (16,44)     (24,40)     (32,44)     (40,18)     (48,15)     (56,11)     (64,14)
(8,49)     (16,45)     (24,41)     (32,45)     (40,19)     (48,16)     (56,12)     (64,15)
(8,50)     (16,46)     (24,42)     (32,46)     (40,20)     (48,17)     (56,13)     (64,16)
(8,51)     (16,47)     (24,43)     (32,47)     (40,21)     (48,18)     (56,14)     (64,17)
(8,52)     (16,48)     (24,44)     (32,48)     (40,22)     (48,19)     (56,15)     (64,18)
(8,53)     (16,49)     (24,45)     (32,49)     (40,23)     (48,20)     (56,16)     (64,19)
(8,54)     (16,50)     (24,46)     (32,50)     (40,24)     (48,21)     (56,17)     (64,20)
(8,55)     (16,51)     (24,47)     (32,51)     (40,25)     (48,22)     (56,18)     (64,21)
(8,56)     (16,52)     (24,48)     (32,52)     (40,26)     (48,23)     (56,19)     (64,22)
(8,57)     (16,53)     (24,49)     (32,53)     (40,27)     (48,24)     (56,20)     (64,23)
(8,58)     (16,54)     (24,50)     (32,54)     (40,28)     (48,25)     (56,21)     (64,24)
(8,59)     (16,55)     (24,51)     (32,55)     (40,29)     (48,26)     (56,22)     (64,25)
(8,60)     (16,56)     (24,52)     (32,56)     (40,30)     (48,27)     (56,23)     (64,26)
(8,61)     (16,57)     (24,53)     (32,57)     (40,31)     (48,28)     (56,24)     (64,27)
(8,62)     (16,58)     (24,54)     (32,58)     (40,32)     (48,29)     (56,25)     (64,28)
(8,63)     (16,59)     (24,55)     (32,59)     (40,39)     (48,30)     (56,26)     (64,29)
(8,64)     (16,60)     (24,56)     (32,60)     (40,48)     (48,31)     (56,27)     (64,30)
(9,1)      (16,61)     (24,57)     (32,61)     (41,1)      (48,32)     (56,28)     (64,31)
(9,10)     (16,62)     (24,58)     (32,62)     (41,2)      (48,40)     (56,29)     (64,32)
(9,17)     (16,63)     (24,59)     (32,63)     (41,3)      (48,47)     (56,30)     (64,56)
(9,33)     (16,64)     (24,60)     (32,64)     (41,4)      (48,56)     (56,31)     (64,63);

set ARCS :=
(1,33)     (5,46)      (9,59)      (14,40)     (18,53)     (23,34)     (27,47)     (31,60)
(1,34)     (5,47)      (9,60)      (14,41)     (18,54)     (23,35)     (27,48)     (31,61)
(1,35)     (5,48)      (9,61)      (14,42)     (18,55)     (23,36)     (27,49)     (31,62)
(1,36)     (5,49)      (9,62)      (14,43)     (18,56)     (23,37)     (27,50)     (31,63)
(1,37)     (5,50)      (9,63)      (14,44)     (18,57)     (23,38)     (27,51)     (31,64)
(1,38)     (5,51)      (9,64)      (14,45)     (18,58)     (23,39)     (27,52)     (32,33)
(1,39)     (5,52)      (10,33)     (14,46)     (18,59)     (23,40)     (27,53)     (32,34)
(1,40)     (5,53)      (10,34)     (14,47)     (18,60)     (23,41)     (27,54)     (32,35)
(1,41)     (5,54)      (10,35)     (14,48)     (18,61)     (23,42)     (27,55)     (32,36)
(1,42)     (5,55)      (10,36)     (14,49)     (18,62)     (23,43)     (27,56)     (32,37)
(1,43)     (5,56)      (10,37)     (14,50)     (18,63)     (23,44)     (27,57)     (32,38)
(1,44)     (5,57)      (10,38)     (14,51)     (18,64)     (23,45)     (27,58)     (32,39)
(1,45)     (5,58)      (10,39)     (14,52)     (19,33)     (23,46)     (27,59)     (32,40)
(1,46)     (5,59)      (10,40)     (14,53)     (19,34)     (23,47)     (27,60)     (32,41)
(1,47)     (5,60)      (10,41)     (14,54)     (19,35)     (23,48)     (27,61)     (32,42)
(1,48)     (5,61)      (10,42)     (14,55)     (19,36)     (23,49)     (27,62)     (32,43)
(1,49)     (5,62)      (10,43)     (14,56)     (19,37)     (23,50)     (27,63)     (32,44)
(1,50)     (5,63)      (10,44)     (14,57)     (19,38)     (23,51)     (27,64)     (32,45)
(1,51)     (5,64)      (10,45)     (14,58)     (19,39)     (23,52)     (28,33)     (32,46)
(1,52)     (6,33)      (10,46)     (14,59)     (19,40)     (23,53)     (28,34)     (32,47)
```

```
(1,53)    (6,34)    (10,47)   (14,60)   (19,41)   (23,54)   (28,35)   (32,48)
(1,54)    (6,35)    (10,48)   (14,61)   (19,42)   (23,55)   (28,36)   (32,49)
(1,55)    (6,36)    (10,49)   (14,62)   (19,43)   (23,56)   (28,37)   (32,50)
(1,56)    (6,37)    (10,50)   (14,63)   (19,44)   (23,57)   (28,38)   (32,51)
(1,57)    (6,38)    (10,51)   (14,64)   (19,45)   (23,58)   (28,39)   (32,52)
(1,58)    (6,39)    (10,52)   (15,33)   (19,46)   (23,59)   (28,40)   (32,53)
(1,59)    (6,40)    (10,53)   (15,34)   (19,47)   (23,60)   (28,41)   (32,54)
(1,60)    (6,41)    (10,54)   (15,35)   (19,48)   (23,61)   (28,42)   (32,55)
(1,61)    (6,42)    (10,55)   (15,36)   (19,49)   (23,62)   (28,43)   (32,56)
(1,62)    (6,43)    (10,56)   (15,37)   (19,50)   (23,63)   (28,44)   (32,57)
(1,63)    (6,44)    (10,57)   (15,38)   (19,51)   (23,64)   (28,45)   (32,58)
(1,64)    (6,45)    (10,58)   (15,39)   (19,52)   (24,33)   (28,46)   (32,59)
(2,33)    (6,46)    (10,59)   (15,40)   (19,53)   (24,34)   (28,47)   (32,60)
(2,34)    (6,47)    (10,60)   (15,41)   (19,54)   (24,35)   (28,48)   (32,61)
(2,35)    (6,48)    (10,61)   (15,42)   (19,55)   (24,36)   (28,49)   (32,62)
(2,36)    (6,49)    (10,62)   (15,43)   (19,56)   (24,37)   (28,50)   (32,63)
(2,37)    (6,50)    (10,63)   (15,44)   (19,57)   (24,38)   (28,51)   (32,64)
(2,38)    (6,51)    (10,64)   (15,45)   (19,58)   (24,39)   (28,52)   (1,2)
(2,39)    (6,52)    (11,33)   (15,46)   (19,59)   (24,40)   (28,53)   (1,9)
(2,40)    (6,53)    (11,34)   (15,47)   (19,60)   (24,41)   (28,54)   (2,10)
(2,41)    (6,54)    (11,35)   (15,48)   (19,61)   (24,42)   (28,55)   (2,3)
(2,42)    (6,55)    (11,36)   (15,49)   (19,62)   (24,43)   (28,56)   (3,11)
(2,43)    (6,56)    (11,37)   (15,50)   (19,63)   (24,44)   (28,57)   (3,4)
(2,44)    (6,57)    (11,38)   (15,51)   (19,64)   (24,45)   (28,58)   (4,12)
(2,45)    (6,58)    (11,39)   (15,52)   (20,33)   (24,46)   (28,59)   (4,5)
(2,46)    (6,59)    (11,40)   (15,53)   (20,34)   (24,47)   (28,60)   (5,13)
(2,47)    (6,60)    (11,41)   (15,54)   (20,35)   (24,48)   (28,61)   (5,6)
(2,48)    (6,61)    (11,42)   (15,55)   (20,36)   (24,49)   (28,62)   (6,14)
(2,49)    (6,62)    (11,43)   (15,56)   (20,37)   (24,50)   (28,63)   (6,7)
(2,50)    (6,63)    (11,44)   (15,57)   (20,38)   (24,51)   (28,64)   (7,15)
(2,51)    (6,64)    (11,45)   (15,58)   (20,39)   (24,52)   (29,33)   (7,8)
(2,52)    (7,33)    (11,46)   (15,59)   (20,40)   (24,53)   (29,34)   (8,16)
(2,53)    (7,34)    (11,47)   (15,60)   (20,41)   (24,54)   (29,35)   (9,17)
(2,54)    (7,35)    (11,48)   (15,61)   (20,42)   (24,55)   (29,36)   (9,10)
(2,55)    (7,36)    (11,49)   (15,62)   (20,43)   (24,56)   (29,37)   (10,18)
(2,56)    (7,37)    (11,50)   (15,63)   (20,44)   (24,57)   (29,38)   (10,11)
(2,57)    (7,38)    (11,51)   (15,64)   (20,45)   (24,58)   (29,39)   (11,19)
(2,58)    (7,39)    (11,52)   (16,33)   (20,46)   (24,59)   (29,40)   (11,12)
(2,59)    (7,40)    (11,53)   (16,34)   (20,47)   (24,60)   (29,41)   (12,20)
(2,60)    (7,41)    (11,54)   (16,35)   (20,48)   (24,61)   (29,42)   (12,13)
(2,61)    (7,42)    (11,55)   (16,36)   (20,49)   (24,62)   (29,43)   (13,21)
(2,62)    (7,43)    (11,56)   (16,37)   (20,50)   (24,63)   (29,44)   (13,14)
(2,63)    (7,44)    (11,57)   (16,38)   (20,51)   (24,64)   (29,45)   (14,22)
(2,64)    (7,45)    (11,58)   (16,39)   (20,52)   (25,33)   (29,46)   (14,15)
(3,33)    (7,46)    (11,59)   (16,40)   (20,53)   (25,34)   (29,47)   (15,23)
(3,34)    (7,47)    (11,60)   (16,41)   (20,54)   (25,35)   (29,48)   (15,16)
(3,35)    (7,48)    (11,61)   (16,42)   (20,55)   (25,36)   (29,49)   (16,24)
(3,36)    (7,49)    (11,62)   (16,43)   (20,56)   (25,37)   (29,50)   (17,25)
(3,37)    (7,50)    (11,63)   (16,44)   (20,57)   (25,38)   (29,51)   (17,18)
```

```
(3,38)    (7,51)    (11,64)   (16,45)   (20,58)   (25,39)   (29,52)   (18,26)
(3,39)    (7,52)    (12,33)   (16,46)   (20,59)   (25,40)   (29,53)   (18,19)
(3,40)    (7,53)    (12,34)   (16,47)   (20,60)   (25,41)   (29,54)   (19,27)
(3,41)    (7,54)    (12,35)   (16,48)   (20,61)   (25,42)   (29,55)   (19,20)
(3,42)    (7,55)    (12,36)   (16,49)   (20,62)   (25,43)   (29,56)   (20,28)
(3,43)    (7,56)    (12,37)   (16,50)   (20,63)   (25,44)   (29,57)   (20,21)
(3,44)    (7,57)    (12,38)   (16,51)   (20,64)   (25,45)   (29,58)   (21,29)
(3,45)    (7,58)    (12,39)   (16,52)   (21,33)   (25,46)   (29,59)   (21,22)
(3,46)    (7,59)    (12,40)   (16,53)   (21,34)   (25,47)   (29,60)   (22,30)
(3,47)    (7,60)    (12,41)   (16,54)   (21,35)   (25,48)   (29,61)   (22,23)
(3,48)    (7,61)    (12,42)   (16,55)   (21,36)   (25,49)   (29,62)   (23,31)
(3,49)    (7,62)    (12,43)   (16,56)   (21,37)   (25,50)   (29,63)   (23,24)
(3,50)    (7,63)    (12,44)   (16,57)   (21,38)   (25,51)   (29,64)   (24,32)
(3,51)    (7,64)    (12,45)   (16,58)   (21,39)   (25,52)   (30,33)   (25,26)
(3,52)    (8,33)    (12,46)   (16,59)   (21,40)   (25,53)   (30,34)   (26,27)
(3,53)    (8,34)    (12,47)   (16,60)   (21,41)   (25,54)   (30,35)   (27,28)
(3,54)    (8,35)    (12,48)   (16,61)   (21,42)   (25,55)   (30,36)   (28,29)
(3,55)    (8,36)    (12,49)   (16,62)   (21,43)   (25,56)   (30,37)   (29,30)
(3,56)    (8,37)    (12,50)   (16,63)   (21,44)   (25,57)   (30,38)   (30,31)
(3,57)    (8,38)    (12,51)   (16,64)   (21,45)   (25,58)   (30,39)   (31,32)
(3,58)    (8,39)    (12,52)   (17,33)   (21,46)   (25,59)   (30,40)   (33,41)
(3,59)    (8,40)    (12,53)   (17,34)   (21,47)   (25,60)   (30,41)   (33,34)
(3,60)    (8,41)    (12,54)   (17,35)   (21,48)   (25,61)   (30,42)   (34,42)
(3,61)    (8,42)    (12,55)   (17,36)   (21,49)   (25,62)   (30,43)   (34,35)
(3,62)    (8,43)    (12,56)   (17,37)   (21,50)   (25,63)   (30,44)   (35,43)
(3,63)    (8,44)    (12,57)   (17,38)   (21,51)   (25,64)   (30,45)   (35,36)
(3,64)    (8,45)    (12,58)   (17,39)   (21,52)   (26,33)   (30,46)   (36,44)
(4,33)    (8,46)    (12,59)   (17,40)   (21,53)   (26,34)   (30,47)   (36,37)
(4,34)    (8,47)    (12,60)   (17,41)   (21,54)   (26,35)   (30,48)   (37,45)
(4,35)    (8,48)    (12,61)   (17,42)   (21,55)   (26,36)   (30,49)   (37,38)
(4,36)    (8,49)    (12,62)   (17,43)   (21,56)   (26,37)   (30,50)   (38,46)
(4,37)    (8,50)    (12,63)   (17,44)   (21,57)   (26,38)   (30,51)   (38,39)
(4,38)    (8,51)    (12,64)   (17,45)   (21,58)   (26,39)   (30,52)   (39,47)
(4,39)    (8,52)    (13,33)   (17,46)   (21,59)   (26,40)   (30,53)   (39,40)
(4,40)    (8,53)    (13,34)   (17,47)   (21,60)   (26,41)   (30,54)   (40,48)
(4,41)    (8,54)    (13,35)   (17,48)   (21,61)   (26,42)   (30,55)   (41,49)
(4,42)    (8,55)    (13,36)   (17,49)   (21,62)   (26,43)   (30,56)   (41,42)
(4,43)    (8,56)    (13,37)   (17,50)   (21,63)   (26,44)   (30,57)   (42,50)
(4,44)    (8,57)    (13,38)   (17,51)   (21,64)   (26,45)   (30,58)   (42,43)
(4,45)    (8,58)    (13,39)   (17,52)   (22,33)   (26,46)   (30,59)   (43,51)
(4,46)    (8,59)    (13,40)   (17,53)   (22,34)   (26,47)   (30,60)   (43,44)
(4,47)    (8,60)    (13,41)   (17,54)   (22,35)   (26,48)   (30,61)   (44,52)
(4,48)    (8,61)    (13,42)   (17,55)   (22,36)   (26,49)   (30,62)   (44,45)
(4,49)    (8,62)    (13,43)   (17,56)   (22,37)   (26,50)   (30,63)   (45,53)
(4,50)    (8,63)    (13,44)   (17,57)   (22,38)   (26,51)   (30,64)   (45,46)
(4,51)    (8,64)    (13,45)   (17,58)   (22,39)   (26,52)   (31,33)   (46,54)
(4,52)    (9,33)    (13,46)   (17,59)   (22,40)   (26,53)   (31,34)   (46,47)
(4,53)    (9,34)    (13,47)   (17,60)   (22,41)   (26,54)   (31,35)   (47,55)
(4,54)    (9,35)    (13,48)   (17,61)   (22,42)   (26,55)   (31,36)   (47,48)
```

```
(4,55)     (9,36)     (13,49)    (17,62)    (22,43)    (26,56)    (31,37)    (48,56)
(4,56)     (9,37)     (13,50)    (17,63)    (22,44)    (26,57)    (31,38)    (49,57)
(4,57)     (9,38)     (13,51)    (17,64)    (22,45)    (26,58)    (31,39)    (49,50)
(4,58)     (9,39)     (13,52)    (18,33)    (22,46)    (26,59)    (31,40)    (50,58)
(4,59)     (9,40)     (13,53)    (18,34)    (22,47)    (26,60)    (31,41)    (50,51)
(4,60)     (9,41)     (13,54)    (18,35)    (22,48)    (26,61)    (31,42)    (51,59)
(4,61)     (9,42)     (13,55)    (18,36)    (22,49)    (26,62)    (31,43)    (51,52)
(4,62)     (9,43)     (13,56)    (18,37)    (22,50)    (26,63)    (31,44)    (52,60)
(4,63)     (9,44)     (13,57)    (18,38)    (22,51)    (26,64)    (31,45)    (52,53)
(4,64)     (9,45)     (13,58)    (18,39)    (22,52)    (27,33)    (31,46)    (53,61)
(5,33)     (9,46)     (13,59)    (18,40)    (22,53)    (27,34)    (31,47)    (53,54)
(5,34)     (9,47)     (13,60)    (18,41)    (22,54)    (27,35)    (31,48)    (54,62)
(5,35)     (9,48)     (13,61)    (18,42)    (22,55)    (27,36)    (31,49)    (54,55)
(5,36)     (9,49)     (13,62)    (18,43)    (22,56)    (27,37)    (31,50)    (55,63)
(5,37)     (9,50)     (13,63)    (18,44)    (22,57)    (27,38)    (31,51)    (55,56)
(5,38)     (9,51)     (13,64)    (18,45)    (22,58)    (27,39)    (31,52)    (56,64)
(5,39)     (9,52)     (14,33)    (18,46)    (22,59)    (27,40)    (31,53)    (57,58)
(5,40)     (9,53)     (14,34)    (18,47)    (22,60)    (27,41)    (31,54)    (58,59)
(5,41)     (9,54)     (14,35)    (18,48)    (22,61)    (27,42)    (31,55)    (59,60)
(5,42)     (9,55)     (14,36)    (18,49)    (22,62)    (27,43)    (31,56)    (60,61)
(5,43)     (9,56)     (14,37)    (18,50)    (22,63)    (27,44)    (31,57)    (61,62)
(5,44)     (9,57)     (14,38)    (18,51)    (22,64)    (27,45)    (31,58)    (62,63)
(5,45)     (9,58)     (14,39)    (18,52)    (23,33)    (27,46)    (31,59)    (63,64);
```

COST [*,*]

:	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16 :=
1	10	.	.	.	.	.	.	10	.	.	.	.	.	.	.
2	.	10	.	.	.	.	.	.	10	.	.	.	.	.	.
3	.	.	10	.	.	.	.	.	.	10	.	.	.	.	.
4	.	.	.	10	.	.	.	.	.	.	10	.	.	.	.
5	.	.	.	.	10	.	.	.	.	.	.	10	.	.	.
6	.	.	.	.	.	10	.	.	.	.	.	.	10	.	.
7	.	.	.	.	.	.	10	.	.	.	.	.	.	10	.
8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10
9	.	.	.	.	.	.	.	.	10	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	10	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	10	.	.	.	.
12	.	.	.	.	.	.	.	.	.	.	.	10	.	.	.
13	.	.	.	.	.	.	.	.	.	.	.	.	10	.	.
14	.	.	.	.	.	.	.	.	.	.	.	.	.	10	.
15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10

:	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31 :=
9	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.
12	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.
13	.	.	.	.	10	.	.	.	.	.	.	.	.	.	.
14	.	.	.	.	.	10	.	.	.	.	.	.	.	.	.

15	.	.	.	.	.	.	10	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.	10	.	.	.	.	.	.
17	.	10	.	.	.	.	.	.	10	.	.	.	.	.
18	.	.	10	.	.	.	.	.	.	10	.	.	.	.
19	.	.	.	10	.	.	.	.	.	.	10	.	.	.
20	.	.	.	.	10	.	.	.	.	.	.	10	.	.
21	.	.	.	.	.	10	.	.	.	.	.	.	10	.
22	.	.	.	.	.	.	10	.	.	.	.	.	.	10
23	.	.	.	.	.	.	.	10	.	.	.	.	.	10
25	.	.	.	.	.	.	.	.	.	10	.	.	.	.
26	.	.	.	.	.	.	.	.	.	.	10	.	.	.
27	.	.	.	.	.	.	.	.	.	.	.	10	.	.
28	.	.	.	.	.	.	.	.	.	.	.	.	10	.
29	.	.	.	.	.	.	.	.	.	.	.	.	.	10
30	.	.	.	.	.	.	.	.	.	.	.	.	.	10

:	32	33	34	35	36	:=
1	.	1.1e+10	1.2e+10	1.3e+10	1.4e+10	
2	.	2.75e+08	2.85e+08	2.95e+08	3.05e+08	
3	.	2750000	2850000	2.95e+11	3.05e+11	
4	.	27500000	28500000	29500000	30500000	
5	.	2.75e+12	2.85e+12	295000	3.05e+12	
6	.	2.75e+09	2.85e+09	2.95e+09	3.05e+09	
7	.	2.75e+10	2.85e+10	2.95e+10	3.05e+10	
8	.	2.75e+11	2.85e+11	2.95e+11	3.05e+11	
9	.	2.75e+12	2.85e+12	2.95e+12	3.05e+12	
10	.	2.75e+13	2.85e+13	2.95e+13	3.05e+13	
11	.	2.75e+14	2.85e+14	2.95e+14	3.05e+14	
12	.	2.75e+15	2.85e+15	2.95e+15	3.05e+15	
13	.	2.75e+16	2.85e+16	2.95e+16	3.05e+16	
14	.	2.75e+17	2.85e+17	2.95e+17	3.05e+17	
15	.	2.75e+18	2.85e+18	2.95e+18	3.05e+18	
16	.	2.75e+19	2.85e+19	2.95e+19	3.05e+19	
17	.	2.75e+20	2.85e+20	2.95e+20	3.05e+20	
18	.	2.75e+21	2.85e+21	2.95e+21	3.05e+21	
19	.	2.75e+22	2.85e+22	2.95e+22	3.05e+22	
20	.	2.75e+23	2.85e+23	2.95e+23	3.05e+23	
21	.	2.75e+24	2.85e+24	2.95e+24	3.05e+24	
22	.	2.75e+25	2.85e+25	2.95e+25	3.05e+25	
23	.	2.75e+26	2.85e+26	2.95e+26	3.05e+26	
24	10	2.75e+27	2.85e+27	2.95e+27	3.05e+27	
25	.	2.75e+28	2.85e+28	2.95e+28	3.05e+28	
26	.	2.75e+29	2.85e+29	2.95e+29	3.05e+29	
27	.	2.75e+30	2.85e+30	2.95e+30	3.05e+30	
28	.	2.75e+31	2.85e+31	2.95e+31	3.05e+31	
29	.	2.75e+32	2.85e+32	2.95e+32	3.05e+32	
30	.	2.75e+33	2.85e+33	2.95e+33	3.05e+33	
31	10	2.75e+34	2.85e+34	2.95e+34	3.05e+34	
32	.	2.75e+35	2.85e+35	2.95e+35	3.05e+35	

33	.	.	10	.	.
34	.	.	.	10	.
35	.	.	.	.	10

:	37	38	39	40	:=
1	1.5e+10	1.6e+10	1.7e+10	1.8e+10	
2	3.15e+08	3.25e+08	3.35e+08	3.45e+08	
3	3150000	3250000	3350000	3450000	
4	31500000	32500000	33500000	34500000	
5	3.15e+08	3.25e+08	3.35e+08	3.45e+08	
6	3.15e+09	3.25e+09	3.35e+09	3.45e+09	
7	3.15e+10	3.25e+10	3.35e+10	3.45e+10	
8	3.15e+11	3.25e+11	3.35e+11	3.45e+11	
9	3.15e+12	3.25e+12	3.35e+12	3.45e+12	
10	3.15e+13	3.25e+13	3.35e+13	3.45e+13	
11	3.15e+14	3.25e+14	3.35e+14	3.45e+14	
12	3.15e+15	3.25e+15	3.35e+15	3.45e+15	
13	3.15e+16	3.25e+16	3.35e+16	3.45e+16	
14	3.15e+17	3.25e+17	3.35e+17	3.45e+17	
15	3.15e+18	3.25e+18	3.35e+18	3.45e+18	
16	3.15e+19	3.25e+19	3.35e+19	3.45e+19	
17	3.15e+20	3.25e+20	3.35e+20	3.45e+20	
18	3.15e+21	3.25e+21	3.35e+21	3.45e+21	
19	3.15e+22	3.25e+22	3.35e+22	3.45e+22	
20	3.15e+23	3.25e+23	3.35e+23	3.45e+23	
21	3.15e+24	3.25e+24	3.35e+24	3.45e+24	
22	3.15e+25	3.25e+25	3.35e+25	3.45e+25	
23	3.15e+26	3.25e+26	3.35e+26	3.45e+26	
24	3.15e+27	3.25e+27	3.35e+27	3.45e+27	
25	3.15e+28	3.25e+28	3.35e+28	3.45e+28	
26	3.15e+29	3.25e+29	3.35e+29	3.45e+29	
27	3.15e+30	3.25e+30	3.35e+30	3.45e+30	
28	3.15e+31	3.25e+31	3.35e+31	3.45e+31	
29	3.15e+32	3.25e+32	3.35e+32	3.45e+32	
30	3.15e+33	3.25e+33	3.35e+33	3.45e+33	
31	3.15e+34	3.25e+34	3.35e+34	3.45e+34	
32	3.15e+35	3.25e+35	3.35e+35	3.45e+35	
36	10	.	.	.	
37	.	10	.	.	
38	.	.	10	.	
39	.	.	.	10	

:	41	42	43	44	:=
1	1.9e+10	2e+10	2.1e+10	2.2e+10	
2	3.55e+08	3.65e+08	3.75e+08	3.85e+08	
3	3550000	3650000	3750000	3850000	
4	35500000	36500000	37500000	38500000	
5	3.55e+08	3.65e+08	3.75e+08	3.85e+08	
6	3.55e+09	3.65e+09	3.75e+09	3.85e+09	

7	3.55e+10	3.65e+10	3.75e+10	3.85e+10
8	3.55e+11	3.65e+11	3.75e+11	3.85e+11
9	3.55e+12	3.65e+12	3.75e+12	3.85e+12
10	3.55e+13	3.65e+13	3.75e+13	3.85e+13
11	3.55e+14	3.65e+14	3.75e+14	3.85e+14
12	3.55e+15	3.65e+15	3.75e+15	3.85e+15
13	3.55e+16	3.65e+16	3.75e+16	3.85e+16
14	3.55e+17	3.65e+17	3.75e+17	3.85e+17
15	3.55e+18	3.65e+18	3.75e+18	3.85e+18
16	3.55e+19	3.65e+19	3.75e+19	3.85e+19
17	3.55e+20	3.65e+20	3.75e+20	3.85e+20
18	3.55e+21	3.65e+21	3.75e+21	3.85e+21
19	3.55e+22	3.65e+22	3.75e+22	3.85e+22
20	3.55e+23	3.65e+23	3.75e+23	3.85e+23
21	3.55e+24	3.65e+24	3.75e+24	3.85e+24
22	3.55e+25	3.65e+25	3.75e+25	3.85e+25
23	3.55e+26	3.65e+26	3.75e+26	3.85e+26
24	3.55e+27	3.65e+27	3.75e+27	3.85e+27
25	3.55e+28	3.65e+28	3.75e+28	3.85e+28
26	3.55e+29	3.65e+29	3.75e+29	3.85e+29
27	3.55e+30	3.65e+30	3.75e+30	3.85e+30
28	3.55e+31	3.65e+31	3.75e+31	3.85e+31
29	3.55e+32	3.65e+32	3.75e+32	3.85e+32
30	3.55e+33	3.65e+33	3.75e+33	3.85e+33
31	3.55e+34	3.65e+34	3.75e+34	3.85e+34
32	3.55e+35	3.65e+35	3.75e+35	3.85e+35
33	10	.	.	.
34	.	10	.	.
35	.	.	10	.
36	.	.	.	10
41	.	10	.	.
42	.	.	10	.
43	.	.	.	10

:	45	46	47	48	:=
1	2.3e+09	24000	2.5e+09	2.6e+09	
2	3.95e+08	4.05e+08	415000	425000	
3	3950000	4050000	4150000	4250000	
4	39500000	40500000	41500000	42500000	
5	3.95e+08	4.05e+08	4.15e+08	4.25e+08	
6	3.95e+09	4.05e+09	4.15e+09	4.25e+09	
7	3.95e+10	4.05e+10	4.15e+10	4.25e+10	
8	3.95e+11	4.05e+11	4.15e+11	4.25e+11	
9	3.95e+12	4.05e+12	4.15e+12	4.25e+12	
10	3.95e+13	4.05e+13	4.15e+13	4.25e+13	
11	3.95e+14	4.05e+14	4.15e+14	4.25e+14	
12	3.95e+15	4.05e+15	4.15e+15	4.25e+15	
13	3.95e+16	4.05e+16	4.15e+16	4.25e+16	
14	3.95e+17	4.05e+17	4.15e+17	4.25e+17	

15	3.95e+18	4.05e+18	4.15e+18	4.25e+18
16	3.95e+19	4.05e+19	4.15e+19	4.25e+19
17	3.95e+20	4.05e+20	4.15e+20	4.25e+20
18	3.95e+21	4.05e+21	4.15e+21	4.25e+21
19	3.95e+22	4.05e+22	4.15e+22	4.25e+22
20	3.95e+23	4.05e+23	4.15e+23	4.25e+23
21	3.95e+24	4.05e+24	4.15e+24	4.25e+24
22	3.95e+25	4.05e+25	4.15e+25	4.25e+25
23	3.95e+26	4.05e+26	4.15e+26	4.25e+26
24	3.95e+27	4.05e+27	4.15e+27	4.25e+27
25	3.95e+28	4.05e+28	4.15e+28	4.25e+28
26	3.95e+29	4.05e+29	4.15e+29	4.25e+29
27	3.95e+30	4.05e+30	4.15e+30	4.25e+30
28	3.95e+31	4.05e+31	4.15e+31	4.25e+31
29	3.95e+32	4.05e+32	4.15e+32	4.25e+32
30	3.95e+33	4.05e+33	4.15e+33	4.25e+33
31	3.95e+34	4.05e+34	4.15e+34	4.25e+34
32	3.95e+35	4.05e+35	4.15e+35	4.25e+35
37	10	.	.	.
38	.	10	.	.
39	.	.	10	.
40	.	.	.	10
44	10	.	.	.
45	.	10	.	.
46	.	.	10	.
47	.	.	.	10

:	49	50	51	52	:=
1	2.7e+09	28000	29000	30000	
2	435000	445000	455000	465000	
3	4350000	4450000	4550000	4650000	
4	43500000	44500000	45500000	46500000	
5	4.35e+08	4.45e+08	4.55e+08	4.65e+08	
6	4.35e+09	4.45e+09	4.55e+09	4.65e+09	
7	4.35e+10	4.45e+10	4.55e+10	4.65e+10	
8	4.35e+11	4.45e+11	4.55e+11	4.65e+11	
9	4.35e+12	4.45e+12	4.55e+12	4.65e+12	
10	4.35e+13	4.45e+13	4.55e+13	4.65e+13	
11	4.35e+14	4.45e+14	4.55e+14	4.65e+14	
12	4.35e+15	4.45e+15	4.55e+15	4.65e+15	
13	4.35e+16	4.45e+16	4.55e+16	4.65e+16	
14	4.35e+17	4.45e+17	4.55e+17	4.65e+17	
15	4.35e+18	4.45e+18	4.55e+18	4.65e+18	
16	4.35e+19	4.45e+19	4.55e+19	4.65e+19	
17	4.35e+20	4.45e+20	4.55e+20	4.65e+20	
18	4.35e+21	4.45e+21	4.55e+21	4.65e+21	
19	4.35e+22	4.45e+22	4.55e+22	4.65e+22	
20	4.35e+23	4.45e+23	4.55e+23	4.65e+23	
21	4.35e+24	4.45e+24	4.55e+24	4.65e+24	

22	4.35e+25	4.45e+25	4.55e+25	4.65e+25
23	4.35e+26	4.45e+26	4.55e+26	4.65e+26
24	4.35e+27	4.45e+27	4.55e+27	4.65e+27
25	4.35e+28	4.45e+28	4.55e+28	4.65e+28
26	4.35e+29	4.45e+29	4.55e+29	4.65e+29
27	4.35e+30	4.45e+30	4.55e+30	4.65e+30
28	4.35e+31	4.45e+31	4.55e+31	4.65e+31
29	4.35e+32	4.45e+32	4.55e+32	4.65e+32
30	4.35e+33	4.45e+33	4.55e+33	4.65e+33
31	4.35e+34	4.45e+34	4.55e+34	4.65e+34
32	4.35e+35	4.45e+35	4.55e+35	4.65e+35
41	10	.	.	.
42	.	10	.	.
43	.	.	10	.
44	.	.	.	10
49	.	10	.	.
50	.	.	10	.
51	.	.	.	10

:	53	54	55	56	:=
1	31000	32000	33000	34000	
2	475000	485000	495000	505000	
3	4750000	4850000	4950000	5050000	
4	47500000	48500000	49500000	50500000	
5	4.75e+08	4.85e+08	4.95e+08	5.05e+08	
6	4.75e+09	4.85e+09	4.95e+09	5.05e+09	
7	4.75e+10	4.85e+10	4.95e+10	5.05e+10	
8	4.75e+11	4.85e+11	4.95e+11	5.05e+11	
9	4.75e+12	4.85e+12	4.95e+12	5.05e+12	
10	4.75e+13	4.85e+13	4.95e+13	5.05e+13	
11	4.75e+14	4.85e+14	4.95e+14	5.05e+14	
12	4.75e+15	4.85e+15	4.95e+15	5.05e+15	
13	4.75e+16	4.85e+16	4.95e+16	5.05e+16	
14	4.75e+17	4.85e+17	4.95e+17	5.05e+17	
15	4.75e+18	4.85e+18	4.95e+18	5.05e+18	
16	4.75e+19	4.85e+19	4.95e+19	5.05e+19	
17	4.75e+20	4.85e+20	4.95e+20	5.05e+20	
18	4.75e+21	4.85e+21	4.95e+21	5.05e+21	
19	4.75e+22	4.85e+22	4.95e+22	5.05e+22	
20	4.75e+23	4.85e+23	4.95e+23	5.05e+23	
21	4.75e+24	4.85e+24	4.95e+24	5.05e+24	
22	4.75e+25	4.85e+25	4.95e+25	5.05e+25	
23	4.75e+26	4.85e+26	4.95e+26	5.05e+26	
24	4.75e+27	4.85e+27	4.95e+27	5.05e+27	
25	4.75e+28	4.85e+28	4.95e+28	5.05e+28	
26	4.75e+29	4.85e+29	4.95e+29	5.05e+29	
27	4.75e+30	4.85e+30	4.95e+30	5.05e+30	
28	4.75e+31	4.85e+31	4.95e+31	5.05e+31	
29	4.75e+32	4.85e+32	4.95e+32	5.05e+32	

30	4.75e+33	4.85e+33	4.95e+33	5.05e+33
31	4.75e+34	4.85e+34	4.95e+34	5.05e+34
32	4.75e+35	4.85e+35	4.95e+35	5.05e+35
45	10	.	.	.
46	.	10	.	.
47	.	.	10	.
48	.	.	.	10
52	10	.	.	.
53	.	10	.	.
54	.	.	10	.
55	.	.	.	10

:	57	58	59	60	:=
1	35000	36000	37000	38000	
2	515000	525000	535000	545000	
3	5150000	5250000	5350000	5450000	
4	51500000	52500000	53500000	54500000	
5	5.15e+08	5.25e+08	5.35e+08	5.45e+08	
6	5.15e+09	5.25e+09	5.35e+09	5.45e+09	
7	5.15e+10	5.25e+10	5.35e+10	5.45e+10	
8	5.15e+11	5.25e+11	5.35e+11	5.45e+11	
9	5.15e+12	5.25e+12	5.35e+12	5.45e+12	
10	5.15e+13	5.25e+13	5.35e+13	5.45e+13	
11	5.15e+14	5.25e+14	5.35e+14	5.45e+14	
12	5.15e+15	5.25e+15	5.35e+15	5.45e+15	
13	5.15e+16	5.25e+16	5.35e+16	5.45e+16	
14	5.15e+17	5.25e+17	5.35e+17	5.45e+17	
15	5.15e+18	5.25e+18	5.35e+18	5.45e+18	
16	5.15e+19	5.25e+19	5.35e+19	5.45e+19	
17	5.15e+20	5.25e+20	5.35e+20	5.45e+20	
18	5.15e+21	5.25e+21	5.35e+21	5.45e+21	
19	5.15e+22	5.25e+22	5.35e+22	5.45e+22	
20	5.15e+23	5.25e+23	5.35e+23	5.45e+23	
21	5.15e+24	5.25e+24	5.35e+24	5.45e+24	
22	5.15e+25	5.25e+25	5.35e+25	5.45e+25	
23	5.15e+26	5.25e+26	5.35e+26	5.45e+26	
24	5.15e+27	5.25e+27	5.35e+27	5.45e+27	
25	5.15e+28	5.25e+28	5.35e+28	5.45e+28	
26	5.15e+29	5.25e+29	5.35e+29	5.45e+29	
27	5.15e+30	5.25e+30	5.35e+30	5.45e+30	
28	5.15e+31	5.25e+31	5.35e+31	5.45e+31	
29	5.15e+32	5.25e+32	5.35e+32	5.45e+32	
30	5.15e+33	5.25e+33	5.35e+33	5.45e+33	
31	5.15e+34	5.25e+34	5.35e+34	5.45e+34	
32	5.15e+35	5.25e+35	5.35e+35	5.45e+35	
49	10	.	.	.	
50	.	10	.	.	
51	.	.	10	.	
52	.	.	.	10	

```
57            .                10               .                   .
58            .                 .              10                   .
59            .                 .               .                  10

:           61               62              63                  64              :=
1         39000            40000           41000               42000
2        555000           565000          575000              585000
3       5550000          5650000         5750000             5850000
4      55500000         56500000        57500000            58500000
5         5.55e+08         5.65e+08        5.75e+08            5.85e+08
6         5.55e+09         5.65e+09        5.75e+09            5.85e+09
7         5.55e+10         5.65e+10        5.75e+10            5.85e+10
8         5.55e+11         5.65e+11        5.75e+11            5.85e+11
9         5.55e+12         5.65e+12        5.75e+12            5.85e+12
10        5.55e+13         5.65e+13        5.75e+13            5.85e+13
11        5.55e+14         5.65e+14        5.75e+14            5.85e+14
12        5.55e+15         5.65e+15        5.75e+15            5.85e+15
13        5.55e+16         5.65e+16        5.75e+16            5.85e+16
14        5.55e+17         5.65e+17        5.75e+17            5.85e+17
15        5.55e+18         5.65e+18        5.75e+18            5.85e+18
16        5.55e+19         5.65e+19        5.75e+19            5.85e+19
17        5.55e+20         5.65e+20        5.75e+20            5.85e+20
18        5.55e+21         5.65e+21        5.75e+21            5.85e+21
19        5.55e+22         5.65e+22        5.75e+22            5.85e+22
20        5.55e+23         5.65e+23        5.75e+23            5.85e+23
21        5.55e+24         5.65e+24        5.75e+24            5.85e+24
22        5.55e+25         5.65e+25        5.75e+25            5.85e+25
23        5.55e+26         5.65e+26        5.75e+26            5.85e+26
24        5.55e+27         5.65e+27        5.75e+27            5.85e+27
25        5.55e+28         5.65e+28        5.75e+28            5.85e+28
26        5.55e+29         5.65e+29        5.75e+29            5.85e+29
27        5.55e+30         5.65e+30        5.75e+30            5.85e+30
28        5.55e+31         5.65e+31        5.75e+31            5.85e+31
29        5.55e+32         5.65e+32        5.75e+32            5.85e+32
30        5.55e+33         5.65e+33        5.75e+33            5.85e+33
31        5.55e+34         5.65e+34        5.75e+34            5.85e+34
32        5.55e+35         5.65e+35        5.75e+35            5.85e+35
53        10                .               .                   .
54         .               10               .                   .
55         .                .              10                   .
56         .                .               .                  10
60        10                .               .                   .
61         .               10               .                   .
62         .                .              10                   .
63         .                .               .                  10
;

CAP [*,*]
:    2        3        4        5        6        7        8        9       10        :=
```

1	40000	.	.	.	.	.	.	40000	.
2	.	40000	.	.	.	.	.	.	40000
3	.	.	40000	.	.	.	.	.	.
4	.	.	.	40000	.	.	.	.	.
5	.	.	.	.	40000	.	.	.	.
6	.	.	.	.	.	40000	.	.	.
7	.	.	.	.	.	.	40000	.	.
9	.	.	.	.	.	.	.	.	40000

:	11	12	13	14	15	16	17	18	19	:=
3	40000	.	.	.	.	.	.	.	.	
4	.	40000	.	.	.	.	.	.	.	
5	.	.	40000	.	.	.	.	.	.	
6	.	.	.	40000	.	.	.	.	.	
7	.	.	.	.	40000	.	.	.	.	
8	.	.	.	.	.	40000	.	.	.	
9	.	.	.	.	.	.	40000	.	.	
10	40000	.	.	.	.	.	.	40000	.	
11	.	40000	.	.	.	.	.	.	40000	
12	.	.	40000	.	.	.	.	.	.	
13	.	.	.	40000	.	.	.	.	.	
14	.	.	.	.	40000	.	.	.	.	
15	.	.	.	.	.	40000	.	.	.	
17	.	.	.	.	.	.	.	40000	.	
18	.	.	.	.	.	.	.	.	40000	

:	20	21	22	23	24	25	26	27	28	:=
12	40000	.	.	.	.	.	.	.	.	
13	.	40000	.	.	.	.	.	.	.	
14	.	.	40000	.	.	.	.	.	.	
15	.	.	.	40000	.	.	.	.	.	
16	.	.	.	.	40000	.	.	.	.	
17	.	.	.	.	.	40000	.	.	.	
18	.	.	.	.	.	.	40000	.	.	
19	40000	.	.	.	.	.	.	40000	.	
20	.	40000	.	.	.	.	.	.	40000	
21	.	.	40000	.	.	.	.	.	.	
22	.	.	.	40000	.	.	.	.	.	
23	.	.	.	.	40000	.	.	.	.	
25	.	.	.	.	.	.	40000	.	.	
26	.	.	.	.	.	.	.	40000	.	
27	.	.	.	.	.	.	.	.	40000	

:	29	30	31	32	33	34	35	36	37	:=
1	.	.	.	.	80000	80000	80000	80000	80000	
2	.	.	.	.	80000	80000	80000	80000	80000	
3	.	.	.	.	80000	80000	80000	80000	80000	
4	.	.	.	.	80000	80000	80000	80000	80000	
5	.	.	.	.	80000	80000	80000	80000	80000	

6	·	·	·	·	80000	80000	80000	80000	80000
7	·	·	·	·	80000	80000	80000	80000	80000
8	·	·	·	·	80000	80000	80000	80000	80000
9	·	·	·	·	80000	80000	80000	80000	80000
10	·	·	·	·	80000	80000	80000	80000	80000
11	·	·	·	·	80000	80000	80000	80000	80000
12	·	·	·	·	80000	80000	80000	80000	80000
13	·	·	·	·	80000	80000	80000	80000	80000
14	·	·	·	·	80000	80000	80000	80000	80000
15	·	·	·	·	80000	80000	80000	80000	80000
16	·	·	·	·	80000	80000	80000	80000	80000
17	·	·	·	·	80000	80000	80000	80000	80000
18	·	·	·	·	80000	80000	80000	80000	80000
19	·	·	·	·	80000	80000	80000	80000	80000
20	·	·	·	·	80000	80000	80000	80000	80000
21	40000	·	·	·	80000	80000	80000	80000	80000
22	·	40000	·	·	80000	80000	80000	80000	80000
23	·	·	40000	·	80000	80000	80000	80000	80000
24	·	·	·	40000	80000	80000	80000	80000	80000
25	·	·	·	·	80000	80000	80000	80000	80000
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27	·	·	·	·	80000	80000	80000	80000	80000
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30	·	·	40000	·	80000	80000	80000	80000	80000
31	·	·	·	40000	80000	80000	80000	80000	80000
32	·	·	·	·	80000	80000	80000	80000	80000
33	·	·	·	·	·	40000	·	·	·
34	·	·	·	·	·	·	40000	·	·
35	·	·	·	·	·	·	·	40000	·
36	·	·	·	·	·	·	·	·	40000

:	38	39	40	41	42	43	44	45	46	:=
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27	80000	80000	80000	80000	80000	80000	80000	80000	80000
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29	80000	80000	80000	80000	80000	80000	80000	80000	80000
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31	80000	80000	80000	80000	80000	80000	80000	80000	80000
32	80000	80000	80000	80000	80000	80000	80000	80000	80000
33	.	.	.	40000	.	.	.	.	.
34	.	.	.	.	40000	.	.	.	.
35	.	.	.	.	.	40000	.	.	.
36	.	.	.	.	.	.	40000	.	.
37	40000	.	.	.	.	.	.	40000	.
38	.	40000	.	.	.	.	.	.	40000
39	.	.	40000	.	.	.	.	.	.
41	.	.	.	.	40000	.	.	.	.
42	.	.	.	.	.	40000	.	.	.
43	.	.	.	.	.	.	40000	.	.
44	.	.	.	.	.	.	.	40000	.
45	.	.	.	.	.	.	.	.	40000

:	47	48	49	50	51	52	53	54	55	:=
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9	80000	80000	80000	80000	80000	80000	80000	80000	80000	
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11	80000	80000	80000	80000	80000	80000	80000	80000	80000	
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39	40000	.	.	.	.	.	.	.	.
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41	.	.	40000	.	.	.	.	.	.
42	.	.	.	40000	.	.	.	.	.
43	.	.	.	.	40000	.	.	.	.
44	.	.	.	.	.	40000	.	.	.
45	.	.	.	.	.	.	40000	.	.
46	40000	.	.	.	.	.	.	40000	.
47	.	40000	.	.	.	.	.	.	40000
49	.	.	.	40000	.	.	.	.	.
50	.	.	.	.	40000	.	.	.	.
51	.	.	.	.	.	40000	.	.	.
52	.	.	.	.	.	.	40000	.	.
53	.	.	.	.	.	.	.	40000	.
54	.	.	.	.	.	.	.	.	40000

:	56	57	58	59	60	61	62	63	64	:=
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4	80000	80000	80000	80000	80000	80000	80000	80000	80000	
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8	80000	80000	80000	80000	80000	80000	80000	80000	80000	
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12	80000	80000	80000	80000	80000	80000	80000	80000	80000	
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16	80000	80000	80000	80000	80000	80000	80000	80000	80000	
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28	80000	80000	80000	80000	80000	80000	80000	80000	80000
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30	80000	80000	80000	80000	80000	80000	80000	80000	80000
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32	80000	80000	80000	80000	80000	80000	80000	80000	80000
48	40000	.	.	.	.	.	.	.	.
49	.	40000	.	.	.	.	.	.	.
50	.	.	40000	.	.	.	.	.	.
51	.	.	.	40000	.	.	.	.	.
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53	.	.	.	.	.	40000	.	.	.
54	.	.	.	.	.	.	40000	.	.
55	40000	.	.	.	.	.	.	40000	.
56	.	.	.	.	.	.	.	.	40000
57	.	.	40000	.	.	.	.	.	.
58	.	.	.	40000	.	.	.	.	.
59	.	.	.	.	40000	.	.	.	.
60	.	.	.	.	.	40000	.	.	.
61	.	.	.	.	.	.	40000	.	.
62	.	.	.	.	.	.	.	40000	.
63	.	.	.	.	.	.	.	.	40000

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