

## APPENDIX 5

### DATA IN TEXT FILE FORM

## Explanation of Variables

period = Period. -1 and -2 indicate P1 and P2, the two practice periods. 1 to 12 are the paid periods.  
 treat = Treatment. 1 indicates Cournot, 2 indicates KrepsScheinkman  
 exp = Experience. 0 indicates inexperienced, 1 indicates experience in the Cournot treatment, 2 indicates experience in the KrepsScheinkman treatment  
 session = Session #. Values range from 1 to 8, indicating the 8 different sessions run on different days/times.  
 subject = Subject #. Values range from 1 to 10, indicating the subject number of the participant.  
 q\_you = Your Quantity. Possible values of 0 to 92, indicating the quantity choice of the participant.  
 q\_oth = Competitor's Quantity. Possible values of 0 to 92, indicating the quantity choice of the other member of the participant's duopoly market.  
 p\_you = Your Price. Possible values of 0 to 92. In the Cournot treatment this indicates the price determined by the market demand schedule. In the KrepsScheinkman treatment this indicates the price selected by the participant.  
 p\_oth = Competitor's Price. Possible values of 0 to 92. In the Cournot treatment this is the same as Your Price. In the KrepsScheinkman treatment this indicates the price selected by the other member of the participant's duopoly market.  
 qyousold = Actual Quantity Sold. Possible values of 0 to 92. Indicates the actual quantity sold by the participant.  
 gothsold = Competitor's Quantity Sold. Possible values of 0 to 92. Indicates the quantity sold by the other member of the participant's duopoly market.  
 totsold = Total Sold by Group. Possible values of 0 to 184. Indicates the total quantity sold by the participant and the other member of his group. Is equal to qyousold + gothsold.  
 group = Group. A dummy variable, equal to -1 for odd subject numbers, 0 for even subject numbers.

NOTE 1: There are no values for gothsold and totsold for the practice periods, -1 and -2.

NOTE 2: The pairings for the practice periods were 1+6, 2+7, 3+8, 4+9, 5+10. The pairings for the paid periods were 1+2, 3+4, 5+6, 7+8, 9+10

NOTE 3: Session 6 had eight participants instead of ten. The pairings for the practice periods in this session were 1+5, 2+6, 3+7, 4+8. The pairings for the paid periods were 1+2, 3+4, 5+6, 7+8.

```

period,treat,exp,session,subject,q_you,q_oth,p_you,p_oth,qyousold,qothsold,totsold,g
roup
-2,1,0,1,1,35,8,49,49,35,,,1
-1,1,0,1,1,47,40,5,5,47,,,1
1,1,0,1,1,30,27,35,35,30,27,57,1
2,1,0,1,1,23,25,44,44,23,25,48,1
3,1,0,1,1,35,27,30,30,35,27,62,1
4,1,0,1,1,18,25,49,49,18,25,43,1
5,1,0,1,1,27,25,40,40,27,25,52,1
6,1,0,1,1,20,25,47,47,20,25,45,1
7,1,0,1,1,35,25,32,32,35,25,60,1
8,1,0,1,1,45,32,15,15,45,32,77,1
9,1,0,1,1,15,30,47,47,15,30,45,1
10,1,0,1,1,25,27,40,40,25,27,52,1
11,1,0,1,1,27,25,40,40,27,25,52,1
12,1,0,1,1,26,25,41,41,26,25,51,1
-2,1,0,1,2,20,25,47,47,20,,,0
-1,1,0,1,2,25,3,64,64,25,,,0
1,1,0,1,2,27,30,35,35,27,30,57,0
2,1,0,1,2,25,23,44,44,25,23,48,0
3,1,0,1,2,27,35,30,30,27,35,62,0
4,1,0,1,2,25,18,49,49,25,18,43,0
5,1,0,1,2,25,27,40,40,25,27,52,0
6,1,0,1,2,25,20,47,47,25,20,45,0
7,1,0,1,2,25,35,32,32,25,35,60,0
8,1,0,1,2,32,45,15,15,32,45,77,0
  
```

9,1,0,1,2,30,15,47,47,30,15,45,0  
10,1,0,1,2,27,25,40,40,27,25,52,0  
11,1,0,1,2,25,27,40,40,25,27,52,0  
12,1,0,1,2,25,26,41,41,25,26,51,0  
-2,1,0,1,3,26,18,48,48,26,,1  
-1,1,0,1,3,44,20,28,28,44,,1  
1,1,0,1,3,45,15,32,32,45,15,60,1  
2,1,0,1,3,33,40,19,19,33,40,73,1  
3,1,0,1,3,22,23,47,47,22,23,45,1  
4,1,0,1,3,23,20,49,49,23,20,43,1  
5,1,0,1,3,23,5,64,64,23,5,28,1  
6,1,0,1,3,23,27,42,42,23,27,50,1  
7,1,0,1,3,23,23,46,46,23,23,46,1  
8,1,0,1,3,23,23,46,46,23,23,46,1  
9,1,0,1,3,23,23,46,46,23,23,46,1  
10,1,0,1,3,23,23,46,46,23,23,46,1  
11,1,0,1,3,23,23,46,46,23,23,46,1  
12,1,0,1,3,23,23,46,46,23,23,46,1  
-2,1,0,1,4,10,15,67,67,10,,0  
-1,1,0,1,4,68,10,14,14,68,,0  
1,1,0,1,4,15,45,32,32,15,45,60,0  
2,1,0,1,4,40,33,19,19,40,33,73,0  
3,1,0,1,4,23,22,47,47,23,22,45,0  
4,1,0,1,4,20,23,49,49,20,23,43,0  
5,1,0,1,4,5,23,64,64,5,23,28,0  
6,1,0,1,4,27,23,42,42,27,23,50,0  
7,1,0,1,4,23,23,46,46,23,23,46,0  
8,1,0,1,4,23,23,46,46,23,23,46,0  
9,1,0,1,4,23,23,46,46,23,23,46,0  
10,1,0,1,4,23,23,46,46,23,23,46,0  
11,1,0,1,4,23,23,46,46,23,23,46,0  
12,1,0,1,4,23,23,46,46,23,23,46,0  
-2,1,0,1,5,32,25,35,35,32,,1  
-1,1,0,1,5,30,20,42,42,30,,1  
1,1,0,1,5,28,21,43,43,28,21,49,1  
2,1,0,1,5,23,27,42,42,23,27,50,1  
3,1,0,1,5,23,32,37,37,23,32,55,1  
4,1,0,1,5,23,31,38,38,23,31,54,1  
5,1,0,1,5,23,29,40,40,23,29,52,1  
6,1,0,1,5,40,27,25,25,40,27,67,1  
7,1,0,1,5,23,26,43,43,23,26,49,1  
8,1,0,1,5,23,25,44,44,23,25,48,1  
9,1,0,1,5,23,25,44,44,23,25,48,1  
10,1,0,1,5,25,25,42,42,25,25,50,1  
11,1,0,1,5,27,25,40,40,27,25,52,1  
12,1,0,1,5,25,25,42,42,25,25,50,1  
-2,1,0,1,6,8,35,49,49,8,,0  
-1,1,0,1,6,40,47,5,5,40,,0  
1,1,0,1,6,21,28,43,43,21,28,49,0  
2,1,0,1,6,27,23,42,42,27,23,50,0  
3,1,0,1,6,32,23,37,37,32,23,55,0  
4,1,0,1,6,31,23,38,38,31,23,54,0  
5,1,0,1,6,29,23,40,40,29,23,52,0  
6,1,0,1,6,27,40,25,25,27,40,67,0  
7,1,0,1,6,26,23,43,43,26,23,49,0  
8,1,0,1,6,25,23,44,44,25,23,48,0  
9,1,0,1,6,25,23,44,44,25,23,48,0  
10,1,0,1,6,25,25,42,42,25,25,50,0  
11,1,0,1,6,25,27,40,40,25,27,52,0  
12,1,0,1,6,25,25,42,42,25,25,50,0  
-2,1,0,1,7,25,20,47,47,25,,1  
-1,1,0,1,7,3,25,64,64,3,,1  
1,1,0,1,7,23,18,51,51,23,18,41,1  
2,1,0,1,7,23,18,51,51,23,18,41,1  
3,1,0,1,7,23,20,49,49,23,20,43,1

4,1,0,1,7,18,18,56,56,18,18,36,1  
5,1,0,1,7,18,18,56,56,18,18,36,1  
6,1,0,1,7,27,18,47,47,27,18,45,1  
7,1,0,1,7,25,23,44,44,25,23,48,1  
8,1,0,1,7,20,18,54,54,20,18,38,1  
9,1,0,1,7,18,20,54,54,18,20,38,1  
10,1,0,1,7,18,18,56,56,18,18,36,1  
11,1,0,1,7,18,18,56,56,18,18,36,1  
12,1,0,1,7,25,20,47,47,25,20,45,1  
-2,1,0,1,8,18,26,48,48,18,,0  
-1,1,0,1,8,20,44,28,28,20,,0  
1,1,0,1,8,18,23,51,51,18,23,41,0  
2,1,0,1,8,18,23,51,51,18,23,41,0  
3,1,0,1,8,20,23,49,49,20,23,43,0  
4,1,0,1,8,18,18,56,56,18,18,36,0  
5,1,0,1,8,18,18,56,56,18,18,36,0  
6,1,0,1,8,18,27,47,47,18,27,45,0  
7,1,0,1,8,23,25,44,44,23,25,48,0  
8,1,0,1,8,18,20,54,54,18,20,38,0  
9,1,0,1,8,20,18,54,54,20,18,38,0  
10,1,0,1,8,18,18,56,56,18,18,36,0  
11,1,0,1,8,18,18,56,56,18,18,36,0  
12,1,0,1,8,20,25,47,47,20,25,45,0  
-2,1,0,1,9,15,10,67,67,15,,1  
-1,1,0,1,9,10,68,14,14,10,,1  
1,1,0,1,9,2,25,65,65,2,25,27,1  
2,1,0,1,9,20,30,42,42,20,30,50,1  
3,1,0,1,9,30,20,42,42,30,20,50,1  
4,1,0,1,9,40,25,27,27,40,25,65,1  
5,1,0,1,9,30,25,37,37,30,25,55,1  
6,1,0,1,9,25,25,42,42,25,25,50,1  
7,1,0,1,9,30,20,42,42,30,20,50,1  
8,1,0,1,9,25,23,44,44,25,23,48,1  
9,1,0,1,9,25,22,45,45,25,22,47,1  
10,1,0,1,9,27,22,43,43,27,22,49,1  
11,1,0,1,9,28,27,37,37,28,27,55,1  
12,1,0,1,9,26,25,41,41,26,25,51,1  
-2,1,0,1,10,25,32,35,35,25,,0  
-1,1,0,1,10,20,30,42,42,20,,0  
1,1,0,1,10,25,2,65,65,25,2,27,0  
2,1,0,1,10,30,20,42,42,30,20,50,0  
3,1,0,1,10,20,30,42,42,20,30,50,0  
4,1,0,1,10,25,40,27,27,25,40,65,0  
5,1,0,1,10,25,30,37,37,25,30,55,0  
6,1,0,1,10,25,25,42,42,25,25,50,0  
7,1,0,1,10,20,30,42,42,20,30,50,0  
8,1,0,1,10,23,25,44,44,23,25,48,0  
9,1,0,1,10,22,25,45,45,22,25,47,0  
10,1,0,1,10,22,27,43,43,22,27,49,0  
11,1,0,1,10,27,28,37,37,27,28,55,0  
12,1,0,1,10,25,26,41,41,25,26,51,0  
-2,2,0,2,1,21,6,42,30,21,,1  
-1,2,0,2,1,3,36,34,21,3,,1  
1,2,0,2,1,20,65,17,28,20,44,64,1  
2,2,0,2,1,8,60,30,25,2,60,62,1  
3,2,0,2,1,48,55,30,27,7,55,62,1  
4,2,0,2,1,10,67,23,24,10,58,68,1  
5,2,0,2,1,33,64,24,26,33,33,66,1  
6,2,0,2,1,40,70,25,22,0,70,70,1  
7,2,0,2,1,25,69,24,23,0,69,69,1  
8,2,0,2,1,50,71,22,21,0,71,71,1  
9,2,0,2,1,0,46,-1,46,0,46,46,1  
10,2,0,2,1,0,46,-1,46,0,46,46,1  
11,2,0,2,1,0,46,-1,46,0,46,46,1  
12,2,0,2,1,0,46,-1,46,0,46,46,1

-2,2,0,2,2,50,40,29,45,50,,,0  
-1,2,0,2,2,40,30,45,25,17,,,0  
1,2,0,2,2,65,20,28,17,44,20,64,0  
2,2,0,2,2,60,8,25,30,60,2,62,0  
3,2,0,2,2,55,48,27,30,55,7,62,0  
4,2,0,2,2,67,10,24,23,58,10,68,0  
5,2,0,2,2,64,33,26,24,33,33,66,0  
6,2,0,2,2,70,40,22,25,70,0,70,0  
7,2,0,2,2,69,25,23,24,69,0,69,0  
8,2,0,2,2,71,50,21,22,71,0,71,0  
9,2,0,2,2,46,0,46,-1,46,0,46,0  
10,2,0,2,2,46,0,46,-1,46,0,46,0  
11,2,0,2,2,46,0,46,-1,46,0,46,0  
12,2,0,2,2,46,0,46,-1,46,0,46,0  
-2,2,0,2,3,20,35,60,25,0,,,1  
-1,2,0,2,3,30,42,40,50,30,,,1  
1,2,0,2,3,30,55,30,21,7,55,62,1  
2,2,0,2,3,40,46,25,20,21,46,67,1  
3,2,0,2,3,20,50,68,25,0,50,50,1  
4,2,0,2,3,45,25,25,30,45,17,62,1  
5,2,0,2,3,50,30,27,22,35,30,65,1  
6,2,0,2,3,40,15,30,40,40,12,52,1  
7,2,0,2,3,35,10,35,50,35,7,42,1  
8,2,0,2,3,30,30,38,32,24,30,54,1  
9,2,0,2,3,30,35,30,30,30,32,62,1  
10,2,0,2,3,25,40,27,30,25,37,62,1  
11,2,0,2,3,20,25,45,50,20,25,45,1  
12,2,0,2,3,21,25,47,49,21,22,43,1  
-2,2,0,2,4,55,52,25,29,55,,,0  
-1,2,0,2,4,20,60,20,30,20,,,0  
1,2,0,2,4,55,30,21,30,55,7,62,0  
2,2,0,2,4,46,40,20,25,46,21,67,0  
3,2,0,2,4,50,20,25,68,50,0,50,0  
4,2,0,2,4,25,45,30,25,17,45,62,0  
5,2,0,2,4,30,50,22,27,30,35,65,0  
6,2,0,2,4,15,40,40,30,12,40,52,0  
7,2,0,2,4,10,35,50,35,7,35,42,0  
8,2,0,2,4,30,30,32,38,30,24,54,0  
9,2,0,2,4,35,30,30,30,32,30,62,0  
10,2,0,2,4,40,25,30,27,37,25,62,0  
11,2,0,2,4,25,20,50,45,25,20,45,0  
12,2,0,2,4,25,21,49,47,22,21,43,0  
-2,2,0,2,5,40,40,25,30,40,,,1  
-1,2,0,2,5,40,8,35,30,40,,,1  
1,2,0,2,5,46,71,25,21,0,71,71,1  
2,2,0,2,5,21,25,60,64,21,7,28,1  
3,2,0,2,5,46,46,35,22,11,46,57,1  
4,2,0,2,5,30,40,40,25,12,40,52,1  
5,2,0,2,5,60,40,22,39,60,0,60,1  
6,2,0,2,5,20,7,60,22,20,7,27,1  
7,2,0,2,5,20,30,50,35,12,30,42,1  
8,2,0,2,5,20,40,32,40,20,32,52,1  
9,2,0,2,5,35,20,50,37,22,20,42,1  
10,2,0,2,5,35,40,25,30,35,27,62,1  
11,2,0,2,5,20,30,42,42,20,30,50,1  
12,2,0,2,5,25,30,40,37,22,30,52,1  
-2,2,0,2,6,6,21,30,42,6,,,0  
-1,2,0,2,6,36,3,21,34,36,,,0  
1,2,0,2,6,71,46,21,25,71,0,71,0  
2,2,0,2,6,25,21,64,60,7,21,28,0  
3,2,0,2,6,46,46,22,35,46,11,57,0  
4,2,0,2,6,40,30,25,40,40,12,52,0  
5,2,0,2,6,40,60,39,22,0,60,60,0  
6,2,0,2,6,7,20,22,60,7,20,27,0  
7,2,0,2,6,30,20,35,50,30,12,42,0

8,2,0,2,6,40,20,40,32,32,20,52,0  
9,2,0,2,6,20,35,37,50,20,22,42,0  
10,2,0,2,6,40,35,30,25,27,35,62,0  
11,2,0,2,6,30,20,42,42,30,20,50,0  
12,2,0,2,6,30,25,37,40,30,22,52,0  
-2,2,0,2,7,40,50,45,29,0,,1  
-1,2,0,2,7,30,40,25,45,30,,1  
1,2,0,2,7,35,20,24,60,35,0,35,1  
2,2,0,2,7,40,30,24,34,40,18,58,1  
3,2,0,2,7,40,40,25,30,40,22,62,1  
4,2,0,2,7,40,30,24,26,40,26,66,1  
5,2,0,2,7,40,50,24,22,18,50,68,1  
6,2,0,2,7,35,50,22,22,35,35,70,1  
7,2,0,2,7,35,40,21,22,35,35,70,1  
8,2,0,2,7,35,20,22,37,35,20,55,1  
9,2,0,2,7,15,26,30,51,15,26,41,1  
10,2,0,2,7,15,25,50,52,15,25,40,1  
11,2,0,2,7,15,27,50,49,15,27,42,1  
12,2,0,2,7,10,26,70,54,0,26,26,1  
-2,2,0,2,8,35,20,25,60,35,,0  
-1,2,0,2,8,42,30,50,40,12,,0  
1,2,0,2,8,20,35,60,24,0,35,35,0  
2,2,0,2,8,30,40,34,24,18,40,58,0  
3,2,0,2,8,40,40,30,25,22,40,62,0  
4,2,0,2,8,30,40,26,24,26,40,66,0  
5,2,0,2,8,50,40,22,24,50,18,68,0  
6,2,0,2,8,50,35,22,22,35,35,70,0  
7,2,0,2,8,40,35,22,21,35,35,70,0  
8,2,0,2,8,20,35,37,22,20,35,55,0  
9,2,0,2,8,26,15,51,30,26,15,41,0  
10,2,0,2,8,25,15,52,50,25,15,40,0  
11,2,0,2,8,27,15,49,50,27,15,42,0  
12,2,0,2,8,26,10,54,70,26,0,26,0  
-2,2,0,2,9,52,55,29,25,12,,1  
-1,2,0,2,9,60,20,30,20,42,,1  
1,2,0,2,9,61,40,39,30,13,40,53,1  
2,2,0,2,9,35,45,28,30,35,27,62,1  
3,2,0,2,9,50,47,27,27,33,33,65,1  
4,2,0,2,9,46,48,80,92,12,0,12,1  
5,2,0,2,9,40,30,27,28,40,24,64,1  
6,2,0,2,9,35,40,79,26,0,40,40,1  
7,2,0,2,9,46,45,22,50,46,0,46,1  
8,2,0,2,9,60,45,27,23,20,45,65,1  
9,2,0,2,9,46,50,24,23,18,50,68,1  
10,2,0,2,9,0,55,-1,37,0,55,55,1  
11,2,0,2,9,0,50,-1,42,0,50,50,1  
12,2,0,2,9,0,36,-1,56,0,36,36,1  
-2,2,0,2,10,40,40,30,25,22,,0  
-1,2,0,2,10,8,40,30,35,8,,0  
1,2,0,2,10,40,61,30,39,40,13,53,0  
2,2,0,2,10,45,35,30,28,27,35,62,0  
3,2,0,2,10,47,50,27,27,33,33,65,0  
4,2,0,2,10,48,46,92,80,0,12,12,0  
5,2,0,2,10,30,40,28,27,24,40,64,0  
6,2,0,2,10,40,35,26,79,40,0,40,0  
7,2,0,2,10,45,46,50,22,0,46,46,0  
8,2,0,2,10,45,60,23,27,45,20,65,0  
9,2,0,2,10,50,46,23,24,50,18,68,0  
10,2,0,2,10,55,0,37,-1,55,0,55,0  
11,2,0,2,10,50,0,42,-1,50,0,50,0  
12,2,0,2,10,36,0,56,-1,36,0,36,0  
-2,2,0,3,1,70,73,24,20,0,,1  
-1,2,0,3,1,30,59,27,30,30,,1  
1,2,0,3,1,26,40,24,37,26,29,55,1  
2,2,0,3,1,30,30,23,32,30,30,60,1

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

12,2,0,3,5,33,17,43,44,33,15,48,1  
-2,2,0,3,6,73,70,20,24,72,,0  
-1,2,0,3,6,59,30,30,27,32,,0  
1,2,0,3,6,44,30,36,30,26,30,56,0  
2,2,0,3,6,56,33,28,28,32,32,64,0  
3,2,0,3,6,31,20,46,35,26,20,46,0  
4,2,0,3,6,32,25,55,40,12,25,37,0  
5,2,0,3,6,50,23,41,20,28,23,51,0  
6,2,0,3,6,40,48,26,40,40,12,52,0  
7,2,0,3,6,15,28,50,58,15,19,34,0  
8,2,0,3,6,19,32,45,46,19,27,46,0  
9,2,0,3,6,17,31,45,46,17,29,46,0  
10,2,0,3,6,20,34,39,41,20,31,51,0  
11,2,0,3,6,18,30,46,44,16,30,46,0  
12,2,0,3,6,17,33,44,43,15,33,48,0  
-2,2,0,3,7,40,60,30,25,2,,1  
-1,2,0,3,7,30,35,30,42,30,,1  
1,2,0,3,7,10,20,59,62,10,20,30,1  
2,2,0,3,7,15,30,50,47,12,30,42,1  
3,2,0,3,7,20,30,42,42,20,30,50,1  
4,2,0,3,7,18,30,46,46,18,28,46,1  
5,2,0,3,7,18,30,46,44,16,30,46,1  
6,2,0,3,7,30,20,42,42,30,20,50,1  
7,2,0,3,7,20,30,42,42,20,30,50,1  
8,2,0,3,7,30,30,32,32,30,30,60,1  
9,2,0,3,7,25,30,37,37,25,30,55,1  
10,2,0,3,7,24,35,33,33,24,35,59,1  
11,2,0,3,7,38,30,24,24,38,30,68,1  
12,2,0,3,7,21,40,31,31,21,40,61,1  
-2,2,0,3,8,20,70,21,26,20,,0  
-1,2,0,3,8,10,24,62,22,6,,0  
1,2,0,3,8,20,10,62,59,20,10,30,0  
2,2,0,3,8,30,15,47,50,30,12,42,0  
3,2,0,3,8,30,20,42,42,30,20,50,0  
4,2,0,3,8,30,18,46,46,28,18,46,0  
5,2,0,3,8,30,18,44,46,30,16,46,0  
6,2,0,3,8,20,30,42,42,20,30,50,0  
7,2,0,3,8,30,20,42,42,30,20,50,0  
8,2,0,3,8,30,30,32,32,30,30,60,0  
9,2,0,3,8,30,25,37,37,30,25,55,0  
10,2,0,3,8,35,24,33,33,35,24,59,0  
11,2,0,3,8,30,38,24,24,30,38,68,0  
12,2,0,3,8,40,21,31,31,40,21,61,0  
-2,2,0,3,9,50,62,21,35,50,,1  
-1,2,0,3,9,50,28,42,50,50,,1  
1,2,0,3,9,36,43,40,41,36,15,51,1  
2,2,0,3,9,36,41,35,38,36,18,54,1  
3,2,0,3,9,36,59,28,27,5,59,64,1  
4,2,0,3,9,36,31,30,39,36,17,53,1  
5,2,0,3,9,36,45,30,26,17,45,62,1  
6,2,0,3,9,50,26,25,29,50,13,63,1  
7,2,0,3,9,60,55,23,23,35,35,69,1  
8,2,0,3,9,36,30,29,29,33,30,63,1  
9,2,0,3,9,30,15,40,47,30,15,45,1  
10,2,0,3,9,30,18,44,44,30,18,48,1  
11,2,0,3,9,30,18,44,44,30,18,48,1  
12,2,0,3,9,30,30,32,32,30,30,60,1  
-2,2,0,3,10,53,35,36,25,21,,0  
-1,2,0,3,10,40,46,29,44,40,,0  
1,2,0,3,10,43,36,41,40,15,36,51,0  
2,2,0,3,10,41,36,38,35,18,36,54,0  
3,2,0,3,10,59,36,27,28,59,5,64,0  
4,2,0,3,10,31,36,39,30,17,36,53,0  
5,2,0,3,10,45,36,26,30,45,17,62,0  
6,2,0,3,10,26,50,29,25,13,50,63,0

7,2,0,3,10,55,60,23,23,35,35,69,0  
8,2,0,3,10,30,36,29,29,30,33,63,0  
9,2,0,3,10,15,30,47,40,15,30,45,0  
10,2,0,3,10,18,30,44,44,18,30,48,0  
11,2,0,3,10,18,30,44,44,18,30,48,0  
12,2,0,3,10,30,30,32,32,30,30,60,0  
-2,1,0,4,1,30,20,42,42,30,, ,1  
-1,1,0,4,1,49,17,26,26,49,, ,1  
1,1,0,4,1,36,30,26,26,36,30,66,1  
2,1,0,4,1,29,33,30,30,29,33,62,1  
3,1,0,4,1,27,25,40,40,27,25,52,1  
4,1,0,4,1,28,24,40,40,28,24,52,1  
5,1,0,4,1,30,27,35,35,30,27,57,1  
6,1,0,4,1,13,29,50,50,13,29,42,1  
7,1,0,4,1,26,22,44,44,26,22,48,1  
8,1,0,4,1,27,24,41,41,27,24,51,1  
9,1,0,4,1,28,26,38,38,28,26,54,1  
10,1,0,4,1,20,29,43,43,20,29,49,1  
11,1,0,4,1,18,22,52,52,18,22,40,1  
12,1,0,4,1,21,20,51,51,21,20,41,1  
-2,1,0,4,2,35,77,0,0,35,, ,0  
-1,1,0,4,2,30,3,59,59,30,, ,0  
1,1,0,4,2,30,36,26,26,30,36,66,0  
2,1,0,4,2,33,29,30,30,33,29,62,0  
3,1,0,4,2,25,27,40,40,25,27,52,0  
4,1,0,4,2,24,28,40,40,24,28,52,0  
5,1,0,4,2,27,30,35,35,27,30,57,0  
6,1,0,4,2,29,13,50,50,29,13,42,0  
7,1,0,4,2,22,26,44,44,22,26,48,0  
8,1,0,4,2,24,27,41,41,24,27,51,0  
9,1,0,4,2,26,28,38,38,26,28,54,0  
10,1,0,4,2,29,20,43,43,29,20,49,0  
11,1,0,4,2,22,18,52,52,22,18,40,0  
12,1,0,4,2,20,21,51,51,20,21,41,0  
-2,1,0,4,3,15,18,59,59,15,, ,1  
-1,1,0,4,3,18,32,42,42,18,, ,1  
1,1,0,4,3,20,18,54,54,20,18,38,1  
2,1,0,4,3,21,18,53,53,21,18,39,1  
3,1,0,4,3,18,21,53,53,18,21,39,1  
4,1,0,4,3,19,18,55,55,19,18,37,1  
5,1,0,4,3,18,19,55,55,18,19,37,1  
6,1,0,4,3,19,18,55,55,19,18,37,1  
7,1,0,4,3,18,18,56,56,18,18,36,1  
8,1,0,4,3,18,18,56,56,18,18,36,1  
9,1,0,4,3,18,18,56,56,18,18,36,1  
10,1,0,4,3,18,18,56,56,18,18,36,1  
11,1,0,4,3,18,18,56,56,18,18,36,1  
12,1,0,4,3,18,18,56,56,18,18,36,1  
-2,1,0,4,4,18,15,59,59,18,, ,0  
-1,1,0,4,4,20,10,62,62,20,, ,0  
1,1,0,4,4,18,20,54,54,18,20,38,0  
2,1,0,4,4,18,21,53,53,18,21,39,0  
3,1,0,4,4,21,18,53,53,21,18,39,0  
4,1,0,4,4,18,19,55,55,18,19,37,0  
5,1,0,4,4,19,18,55,55,19,18,37,0  
6,1,0,4,4,18,19,55,55,18,19,37,0  
7,1,0,4,4,18,18,56,56,18,18,36,0  
8,1,0,4,4,18,18,56,56,18,18,36,0  
9,1,0,4,4,18,18,56,56,18,18,36,0  
10,1,0,4,4,18,18,56,56,18,18,36,0  
11,1,0,4,4,18,18,56,56,18,18,36,0  
12,1,0,4,4,18,18,56,56,18,18,36,0  
-2,1,0,4,5,40,25,27,27,40,, ,1  
-1,1,0,4,5,20,30,42,42,20,, ,1  
1,1,0,4,5,35,45,12,12,35,45,80,1

2,1,0,4,5,28,25,39,39,28,25,53,1  
3,1,0,4,5,32,28,32,32,32,28,60,1  
4,1,0,4,5,35,20,37,37,35,20,55,1  
5,1,0,4,5,30,25,37,37,30,25,55,1  
6,1,0,4,5,18,35,39,39,18,35,53,1  
7,1,0,4,5,22,25,45,45,22,25,47,1  
8,1,0,4,5,24,27,41,41,24,27,51,1  
9,1,0,4,5,25,24,43,43,25,24,49,1  
10,1,0,4,5,23,27,42,42,23,27,50,1  
11,1,0,4,5,23,25,44,44,23,25,48,1  
12,1,0,4,5,20,25,47,47,20,25,45,1  
-2,1,0,4,6,20,30,42,42,20,,,0  
-1,1,0,4,6,17,49,26,26,17,,,0  
1,1,0,4,6,45,35,12,12,45,35,80,0  
2,1,0,4,6,25,28,39,39,25,28,53,0  
3,1,0,4,6,28,32,32,32,28,32,60,0  
4,1,0,4,6,20,35,37,37,20,35,55,0  
5,1,0,4,6,25,30,37,37,25,30,55,0  
6,1,0,4,6,35,18,39,39,35,18,53,0  
7,1,0,4,6,25,22,45,45,25,22,47,0  
8,1,0,4,6,27,24,41,41,27,24,51,0  
9,1,0,4,6,24,25,43,43,24,25,49,0  
10,1,0,4,6,27,23,42,42,27,23,50,0  
11,1,0,4,6,25,23,44,44,25,23,48,0  
12,1,0,4,6,25,20,47,47,25,20,45,0  
-2,1,0,4,7,77,35,0,0,77,,,1  
-1,1,0,4,7,3,30,59,59,3,,,1  
1,1,0,4,7,7,18,67,67,7,18,25,1  
2,1,0,4,7,19,31,42,42,19,31,50,1  
3,1,0,4,7,33,31,28,28,33,31,64,1  
4,1,0,4,7,31,31,30,30,31,31,62,1  
5,1,0,4,7,29,18,45,45,29,18,47,1  
6,1,0,4,7,28,18,46,46,28,18,46,1  
7,1,0,4,7,24,18,50,50,24,18,42,1  
8,1,0,4,7,24,18,50,50,24,18,42,1  
9,1,0,4,7,24,26,42,42,24,26,50,1  
10,1,0,4,7,26,26,40,40,26,26,52,1  
11,1,0,4,7,25,26,41,41,25,26,51,1  
12,1,0,4,7,24,26,42,42,24,26,50,1  
-2,1,0,4,8,18,15,59,59,18,,,0  
-1,1,0,4,8,32,18,42,42,32,,,0  
1,1,0,4,8,18,7,67,67,18,7,25,0  
2,1,0,4,8,31,19,42,42,31,19,50,0  
3,1,0,4,8,31,33,28,28,31,33,64,0  
4,1,0,4,8,31,31,30,30,31,31,62,0  
5,1,0,4,8,18,29,45,45,18,29,47,0  
6,1,0,4,8,18,28,46,46,18,28,46,0  
7,1,0,4,8,18,24,50,50,18,24,42,0  
8,1,0,4,8,18,24,50,50,18,24,42,0  
9,1,0,4,8,26,24,42,42,26,24,50,0  
10,1,0,4,8,26,26,40,40,26,26,52,0  
11,1,0,4,8,26,25,41,41,26,25,51,0  
12,1,0,4,8,26,24,42,42,26,24,50,0  
-2,1,0,4,9,15,18,59,59,15,,,1  
-1,1,0,4,9,10,20,62,62,10,,,1  
1,1,0,4,9,20,25,47,47,20,25,45,1  
2,1,0,4,9,23,24,45,45,23,24,47,1  
3,1,0,4,9,24,24,44,44,24,24,48,1  
4,1,0,4,9,24,20,48,48,24,20,44,1  
5,1,0,4,9,23,15,54,54,23,15,38,1  
6,1,0,4,9,22,15,55,55,22,15,37,1  
7,1,0,4,9,26,18,48,48,26,18,44,1  
8,1,0,4,9,24,24,44,44,24,24,48,1  
9,1,0,4,9,23,24,45,45,23,24,47,1  
10,1,0,4,9,26,24,42,42,26,24,50,1

11,1,0,4,9,26,24,42,42,26,24,50,1  
12,1,0,4,9,24,30,38,38,24,30,54,1  
-2,1,0,4,10,25,40,27,27,25,,,0  
-1,1,0,4,10,30,20,42,42,30,,,0  
1,1,0,4,10,25,20,47,47,25,20,45,0  
2,1,0,4,10,24,23,45,45,24,23,47,0  
3,1,0,4,10,24,24,44,44,24,24,48,0  
4,1,0,4,10,20,24,48,48,20,24,44,0  
5,1,0,4,10,15,23,54,54,15,23,38,0  
6,1,0,4,10,15,22,55,55,15,22,37,0  
7,1,0,4,10,18,26,48,48,18,26,44,0  
8,1,0,4,10,24,24,44,44,24,24,48,0  
9,1,0,4,10,24,23,45,45,24,23,47,0  
10,1,0,4,10,24,26,42,42,24,26,50,0  
11,1,0,4,10,24,26,42,42,24,26,50,0  
12,1,0,4,10,30,24,38,38,30,24,54,0  
-2,2,2,5,1,18,35,39,48,18,,,1  
-1,2,2,5,1,50,40,30,29,22,,,1  
1,2,2,5,1,18,18,56,56,18,18,36,1  
2,2,2,5,1,18,18,56,56,18,18,36,1  
3,2,2,5,1,18,18,56,56,18,18,36,1  
4,2,2,5,1,18,18,56,56,18,18,36,1  
5,2,2,5,1,18,18,56,56,18,18,36,1  
6,2,2,5,1,18,18,56,56,18,18,36,1  
7,2,2,5,1,18,18,56,56,18,18,36,1  
8,2,2,5,1,18,18,56,56,18,18,36,1  
9,2,2,5,1,18,18,56,56,18,18,36,1  
10,2,2,5,1,18,18,56,56,18,18,36,1  
11,2,2,5,1,18,18,56,56,18,18,36,1  
12,2,2,5,1,18,18,56,56,18,18,36,1  
-2,2,2,5,2,18,18,56,56,18,,,0  
-1,2,2,5,2,18,18,56,56,18,,,0  
1,2,2,5,2,18,18,56,56,18,18,36,0  
2,2,2,5,2,18,18,56,56,18,18,36,0  
3,2,2,5,2,18,18,56,56,18,18,36,0  
4,2,2,5,2,18,18,56,56,18,18,36,0  
5,2,2,5,2,18,18,56,56,18,18,36,0  
6,2,2,5,2,18,18,56,56,18,18,36,0  
7,2,2,5,2,18,18,56,56,18,18,36,0  
8,2,2,5,2,18,18,56,56,18,18,36,0  
9,2,2,5,2,18,18,56,56,18,18,36,0  
10,2,2,5,2,18,18,56,56,18,18,36,0  
11,2,2,5,2,18,18,56,56,18,18,36,0  
12,2,2,5,2,18,18,56,56,18,18,36,0  
-2,2,2,5,3,36,25,19,32,36,,,1  
-1,2,2,5,3,36,45,35,25,12,,,1  
1,2,2,5,3,36,25,31,31,36,25,61,1  
2,2,2,5,3,30,30,32,32,30,30,60,1  
3,2,2,5,3,36,32,24,24,36,32,68,1  
4,2,2,5,3,36,32,24,24,36,32,68,1  
5,2,2,5,3,28,36,28,28,28,36,64,1  
6,2,2,5,3,28,18,46,46,28,18,46,1  
7,2,2,5,3,28,18,46,46,28,18,46,1  
8,2,2,5,3,18,28,46,46,18,28,46,1  
9,2,2,5,3,18,18,56,56,18,18,36,1  
10,2,2,5,3,18,18,56,56,18,18,36,1  
11,2,2,5,3,18,18,56,56,18,18,36,1  
12,2,2,5,3,18,18,56,56,18,18,36,1  
-2,2,2,5,4,25,15,49,52,25,,,0  
-1,2,2,5,4,30,10,49,62,30,,,0  
1,2,2,5,4,25,36,31,31,25,36,61,0  
2,2,2,5,4,30,30,32,32,30,30,60,0  
3,2,2,5,4,32,36,24,24,32,36,68,0  
4,2,2,5,4,32,36,24,24,32,36,68,0  
5,2,2,5,4,36,28,28,28,36,28,64,0

6,2,2,5,4,18,28,46,46,18,28,46,0  
7,2,2,5,4,18,28,46,46,18,28,46,0  
8,2,2,5,4,28,18,46,46,28,18,46,0  
9,2,2,5,4,18,18,56,56,18,18,36,0  
10,2,2,5,4,18,18,56,56,18,18,36,0  
11,2,2,5,4,18,18,56,56,18,18,36,0  
12,2,2,5,4,18,18,56,56,18,18,36,0  
-2,2,2,5,5,30,18,49,56,30,,1  
-1,2,2,5,5,30,18,44,56,30,,1  
1,2,2,5,5,30,25,40,38,27,25,52,1  
2,2,2,5,5,30,26,36,38,30,24,54,1  
3,2,2,5,5,25,23,44,44,25,23,48,1  
4,2,2,5,5,25,23,44,44,25,23,48,1  
5,2,2,5,5,25,23,44,44,25,23,48,1  
6,2,2,5,5,25,20,47,47,25,20,45,1  
7,2,2,5,5,25,20,47,47,25,20,45,1  
8,2,2,5,5,25,21,46,46,25,21,46,1  
9,2,2,5,5,27,20,45,45,27,20,47,1  
10,2,2,5,5,30,21,41,42,30,20,50,1  
11,2,2,5,5,25,22,45,45,25,22,47,1  
12,2,2,5,5,30,24,38,38,30,24,54,1  
-2,2,2,5,6,35,18,48,39,26,,0  
-1,2,2,5,6,40,50,29,30,40,,0  
1,2,2,5,6,25,30,38,40,25,27,52,0  
2,2,2,5,6,26,30,38,36,24,30,54,0  
3,2,2,5,6,23,25,44,44,23,25,48,0  
4,2,2,5,6,23,25,44,44,23,25,48,0  
5,2,2,5,6,23,25,44,44,23,25,48,0  
6,2,2,5,6,20,25,47,47,20,25,45,0  
7,2,2,5,6,20,25,47,47,20,25,45,0  
8,2,2,5,6,21,25,46,46,21,25,46,0  
9,2,2,5,6,20,27,45,45,20,27,47,0  
10,2,2,5,6,21,30,42,41,20,30,50,0  
11,2,2,5,6,22,25,45,45,22,25,47,0  
12,2,2,5,6,24,30,38,38,24,30,54,0  
-2,2,2,5,7,18,18,56,56,18,,1  
-1,2,2,5,7,18,18,56,56,18,,1  
1,2,2,5,7,18,25,49,49,18,25,43,1  
2,2,2,5,7,18,20,54,54,18,20,38,1  
3,2,2,5,7,18,19,55,55,18,19,37,1  
4,2,2,5,7,18,19,55,55,18,19,37,1  
5,2,2,5,7,19,27,46,46,19,27,46,1  
6,2,2,5,7,25,25,42,42,25,25,50,1  
7,2,2,5,7,25,18,49,49,25,18,43,1  
8,2,2,5,7,18,20,54,54,18,20,38,1  
9,2,2,5,7,18,20,54,54,18,18,36,1  
10,2,2,5,7,19,20,53,53,19,20,39,1  
11,2,2,5,7,26,20,46,46,26,20,46,1  
12,2,2,5,7,26,25,41,41,26,25,51,1  
-2,2,2,5,8,25,36,32,19,24,,0  
-1,2,2,5,8,45,36,25,35,45,,0  
1,2,2,5,8,25,18,49,49,25,18,43,0  
2,2,2,5,8,20,18,54,54,20,18,38,0  
3,2,2,5,8,19,18,55,55,19,18,37,0  
4,2,2,5,8,19,18,55,55,19,18,37,0  
5,2,2,5,8,27,19,46,46,27,19,46,0  
6,2,2,5,8,25,25,42,42,25,25,50,0  
7,2,2,5,8,18,25,49,49,18,25,43,0  
8,2,2,5,8,20,18,54,54,20,18,38,0  
9,2,2,5,8,20,18,54,54,18,18,36,0  
10,2,2,5,8,20,19,53,53,20,19,39,0  
11,2,2,5,8,20,26,46,46,20,26,46,0  
12,2,2,5,8,25,26,41,41,25,26,51,0  
-2,2,2,5,9,15,25,52,49,15,,1  
-1,2,2,5,9,10,30,62,49,0,,1

1,2,2,5,9,10,36,46,56,10,26,36,1  
2,2,2,5,9,15,18,64,59,10,18,28,1  
3,2,2,5,9,15,18,59,59,15,18,33,1  
4,2,2,5,9,15,18,59,59,15,18,33,1  
5,2,2,5,9,18,18,56,56,18,18,36,1  
6,2,2,5,9,18,18,56,56,18,18,36,1  
7,2,2,5,9,18,18,56,56,18,18,36,1  
8,2,2,5,9,18,18,56,56,18,18,36,1  
9,2,2,5,9,18,18,56,56,18,18,36,1  
10,2,2,5,9,18,18,56,56,18,18,36,1  
11,2,2,5,9,18,18,56,56,18,18,36,1  
12,2,2,5,9,18,18,56,56,18,18,36,1  
-2,2,2,5,10,18,30,56,49,6,,0  
-1,2,2,5,10,18,30,56,44,6,,0  
1,2,2,5,10,36,10,56,46,26,10,36,0  
2,2,2,5,10,18,15,59,64,18,10,28,0  
3,2,2,5,10,18,15,59,59,18,15,33,0  
4,2,2,5,10,18,15,59,59,18,15,33,0  
5,2,2,5,10,18,18,56,56,18,18,36,0  
6,2,2,5,10,18,18,56,56,18,18,36,0  
7,2,2,5,10,18,18,56,56,18,18,36,0  
8,2,2,5,10,18,18,56,56,18,18,36,0  
9,2,2,5,10,18,18,56,56,18,18,36,0  
10,2,2,5,10,18,18,56,56,18,18,36,0  
11,2,2,5,10,18,18,56,56,18,18,36,0  
12,2,2,5,10,18,18,56,56,18,18,36,0  
-2,1,0,6,1,18,22,52,52,18,,1  
-1,1,0,6,1,18,55,19,19,18,,1  
1,1,0,6,1,18,25,49,49,18,25,43,1  
2,1,0,6,1,18,24,50,50,18,24,42,1  
3,1,0,6,1,18,25,49,49,18,25,43,1  
4,1,0,6,1,25,25,42,25,25,25,50,1  
5,1,0,6,1,18,18,56,56,18,18,36,1  
6,1,0,6,1,18,18,56,56,18,18,36,1  
7,1,0,6,1,18,18,56,56,18,18,36,1  
8,1,0,6,1,18,18,56,56,18,18,36,1  
9,1,0,6,1,18,18,56,56,18,18,36,1  
10,1,0,6,1,18,18,56,56,18,18,36,1  
11,1,0,6,1,18,18,56,56,18,18,36,1  
12,1,0,6,1,27,25,40,40,27,25,52,1  
-2,1,0,6,2,25,20,47,47,25,,0  
-1,1,0,6,2,18,10,64,64,18,,0  
1,1,0,6,2,25,18,49,49,25,18,43,0  
2,1,0,6,2,24,18,50,50,24,18,42,0  
3,1,0,6,2,25,18,49,49,25,18,43,0  
4,1,0,6,2,25,25,42,25,25,25,50,0  
5,1,0,6,2,18,18,56,56,18,18,36,0  
6,1,0,6,2,18,18,56,56,18,18,36,0  
7,1,0,6,2,18,18,56,56,18,18,36,0  
8,1,0,6,2,18,18,56,56,18,18,36,0  
9,1,0,6,2,18,18,56,56,18,18,36,0  
10,1,0,6,2,18,18,56,56,18,18,36,0  
11,1,0,6,2,18,18,56,56,18,18,36,0  
12,1,0,6,2,25,27,40,40,25,27,52,0  
-2,1,0,6,3,30,25,37,37,30,,1  
-1,1,0,6,3,30,60,2,2,30,,1  
1,1,0,6,3,15,32,45,45,15,32,47,1  
2,1,0,6,3,5,36,51,51,5,36,41,1  
3,1,0,6,3,0,35,57,57,0,35,35,1  
4,1,0,6,3,20,32,40,20,20,32,52,1  
5,1,0,6,3,15,32,45,45,15,32,47,1  
6,1,0,6,3,18,32,42,42,18,32,50,1  
7,1,0,6,3,18,31,43,43,18,31,49,1  
8,1,0,6,3,38,30,24,24,38,30,68,1  
9,1,0,6,3,36,32,24,24,36,32,68,1

10,1,0,6,3,44,32,16,16,44,32,76,1  
11,1,0,6,3,39,26,27,27,39,26,65,1  
12,1,0,6,3,38,20,34,34,38,20,58,1  
-2,1,0,6,4,30,21,41,41,30,,,0  
-1,1,0,6,4,46,72,0,0,46,,,0  
1,1,0,6,4,32,15,45,45,32,15,47,0  
2,1,0,6,4,36,5,51,51,36,5,41,0  
3,1,0,6,4,35,0,57,57,35,0,35,0  
4,1,0,6,4,32,20,40,32,32,20,52,0  
5,1,0,6,4,32,15,45,45,32,15,47,0  
6,1,0,6,4,32,18,42,42,32,18,50,0  
7,1,0,6,4,31,18,43,43,31,18,49,0  
8,1,0,6,4,30,38,24,24,30,38,68,0  
9,1,0,6,4,32,36,24,24,32,36,68,0  
10,1,0,6,4,32,44,16,16,32,44,76,0  
11,1,0,6,4,26,39,27,27,26,39,65,0  
12,1,0,6,4,20,38,34,34,20,38,58,0  
-2,1,0,6,5,22,18,52,52,22,,,1  
-1,1,0,6,5,55,18,19,19,55,,,1  
1,1,0,6,5,20,25,47,47,20,25,45,1  
2,1,0,6,5,27,40,25,25,27,40,67,1  
3,1,0,6,5,35,18,39,39,35,18,53,1  
4,1,0,6,5,30,25,37,30,30,25,55,1  
5,1,0,6,5,30,35,27,27,30,35,65,1  
6,1,0,6,5,25,35,32,32,25,35,60,1  
7,1,0,6,5,30,20,42,42,30,20,50,1  
8,1,0,6,5,40,31,21,21,40,31,71,1  
9,1,0,6,5,18,40,34,34,18,40,58,1  
10,1,0,6,5,26,25,41,41,26,25,51,1  
11,1,0,6,5,26,27,39,39,26,27,53,1  
12,1,0,6,5,26,27,39,39,26,27,53,1  
-2,1,0,6,6,20,25,47,47,20,,,0  
-1,1,0,6,6,10,18,64,64,10,,,0  
1,1,0,6,6,25,20,47,47,25,20,45,0  
2,1,0,6,6,40,27,25,25,40,27,67,0  
3,1,0,6,6,18,35,39,39,18,35,53,0  
4,1,0,6,6,25,30,37,25,25,30,55,0  
5,1,0,6,6,35,30,27,27,35,30,65,0  
6,1,0,6,6,35,25,32,32,35,25,60,0  
7,1,0,6,6,20,30,42,42,20,30,50,0  
8,1,0,6,6,31,40,21,21,31,40,71,0  
9,1,0,6,6,40,18,34,34,40,18,58,0  
10,1,0,6,6,25,26,41,41,25,26,51,0  
11,1,0,6,6,27,26,39,39,27,26,53,0  
12,1,0,6,6,27,26,39,39,27,26,53,0  
-2,1,0,6,7,25,30,37,37,25,,,1  
-1,1,0,6,7,60,30,2,2,60,,,1  
1,1,0,6,7,18,25,49,49,18,25,43,1  
2,1,0,6,7,18,32,42,42,18,32,50,1  
3,1,0,6,7,18,18,56,56,18,18,36,1  
4,1,0,6,7,18,22,52,18,18,22,40,1  
5,1,0,6,7,18,27,47,47,18,27,45,1  
6,1,0,6,7,18,28,46,46,18,28,46,1  
7,1,0,6,7,29,27,36,36,29,27,56,1  
8,1,0,6,7,28,57,7,7,28,57,85,1  
9,1,0,6,7,25,27,40,40,25,27,52,1  
10,1,0,6,7,28,27,37,37,28,27,55,1  
11,1,0,6,7,23,27,42,42,23,27,50,1  
12,1,0,6,7,20,27,45,45,20,27,47,1  
-2,1,0,6,8,21,30,41,41,21,,,0  
-1,1,0,6,8,72,46,0,0,72,,,0  
1,1,0,6,8,25,18,49,49,25,18,43,0  
2,1,0,6,8,32,18,42,42,32,18,50,0  
3,1,0,6,8,18,18,56,56,18,18,36,0  
4,1,0,6,8,22,18,52,22,22,18,40,0

5,1,0,6,8,27,18,47,47,27,18,45,0  
6,1,0,6,8,28,18,46,46,28,18,46,0  
7,1,0,6,8,27,29,36,36,27,29,56,0  
8,1,0,6,8,57,28,7,7,57,28,85,0  
9,1,0,6,8,27,25,40,40,27,25,52,0  
10,1,0,6,8,27,28,37,37,27,28,55,0  
11,1,0,6,8,27,23,42,42,27,23,50,0  
12,1,0,6,8,27,20,45,45,27,20,47,0  
-2,1,1,7,1,22,30,40,40,22,,,1  
-1,1,1,7,1,18,40,34,34,18,,,1  
1,1,1,7,1,24,18,50,50,24,18,42,1  
2,1,1,7,1,18,20,54,54,18,20,38,1  
3,1,1,7,1,20,20,52,52,20,20,40,1  
4,1,1,7,1,18,18,56,56,18,18,36,1  
5,1,1,7,1,19,18,55,55,19,18,37,1  
6,1,1,7,1,18,18,56,56,18,18,36,1  
7,1,1,7,1,19,18,55,55,19,18,37,1  
8,1,1,7,1,18,19,55,55,18,19,37,1  
9,1,1,7,1,19,18,55,55,19,18,37,1  
10,1,1,7,1,18,19,55,55,18,19,37,1  
11,1,1,7,1,19,18,55,55,19,18,37,1  
12,1,1,7,1,27,19,46,46,27,19,46,1  
-2,1,1,7,2,18,18,56,56,18,,,0  
-1,1,1,7,2,18,18,56,56,18,,,0  
1,1,1,7,2,18,24,50,50,18,24,42,0  
2,1,1,7,2,20,18,54,54,20,18,38,0  
3,1,1,7,2,20,20,52,52,20,20,40,0  
4,1,1,7,2,18,18,56,56,18,18,36,0  
5,1,1,7,2,18,19,55,55,18,19,37,0  
6,1,1,7,2,18,18,56,56,18,18,36,0  
7,1,1,7,2,18,19,55,55,18,19,37,0  
8,1,1,7,2,19,18,55,55,19,18,37,0  
9,1,1,7,2,18,19,55,55,18,19,37,0  
10,1,1,7,2,19,18,55,55,19,18,37,0  
11,1,1,7,2,18,19,55,55,18,19,37,0  
12,1,1,7,2,19,27,46,46,19,27,46,0  
-2,1,1,7,3,24,30,38,38,24,,,1  
-1,1,1,7,3,24,40,28,28,24,,,1  
1,1,1,7,3,25,23,44,44,25,23,48,1  
2,1,1,7,3,25,23,44,44,25,23,48,1  
3,1,1,7,3,25,25,42,42,25,25,50,1  
4,1,1,7,3,25,23,44,44,25,23,48,1  
5,1,1,7,3,25,25,42,42,25,25,50,1  
6,1,1,7,3,25,23,44,44,25,23,48,1  
7,1,1,7,3,25,25,42,42,25,25,50,1  
8,1,1,7,3,25,25,42,42,25,25,50,1  
9,1,1,7,3,25,25,42,42,25,25,50,1  
10,1,1,7,3,25,24,43,43,25,24,49,1  
11,1,1,7,3,25,30,37,37,25,30,55,1  
12,1,1,7,3,24,25,43,43,24,25,49,1  
-2,1,1,7,4,40,20,32,32,40,,,0  
-1,1,1,7,4,23,18,51,51,23,,,0  
1,1,1,7,4,23,25,44,44,23,25,48,0  
2,1,1,7,4,23,25,44,44,23,25,48,0  
3,1,1,7,4,25,25,42,42,25,25,50,0  
4,1,1,7,4,23,25,44,44,23,25,48,0  
5,1,1,7,4,25,25,42,42,25,25,50,0  
6,1,1,7,4,23,25,44,44,23,25,48,0  
7,1,1,7,4,25,25,42,42,25,25,50,0  
8,1,1,7,4,25,25,42,42,25,25,50,0  
9,1,1,7,4,25,25,42,42,25,25,50,0  
10,1,1,7,4,24,25,43,43,24,25,49,0  
11,1,1,7,4,30,25,37,37,30,25,55,0  
12,1,1,7,4,25,24,43,43,25,24,49,0  
-2,1,1,7,5,30,18,44,44,30,,,1

-1,1,1,7,5,36,30,26,26,36,,1  
1,1,1,7,5,36,25,31,31,36,25,61,1  
2,1,1,7,5,30,25,37,37,30,25,55,1  
3,1,1,7,5,25,22,45,45,25,22,47,1  
4,1,1,7,5,32,23,37,37,32,23,55,1  
5,1,1,7,5,30,32,30,30,30,32,62,1  
6,1,1,7,5,28,32,32,32,28,32,60,1  
7,1,1,7,5,20,22,50,50,20,22,42,1  
8,1,1,7,5,25,22,45,45,25,22,47,1  
9,1,1,7,5,28,20,44,44,28,20,48,1  
10,1,1,7,5,22,20,50,50,22,20,42,1  
11,1,1,7,5,25,20,47,47,25,20,45,1  
12,1,1,7,5,26,22,44,44,26,22,48,1  
-2,1,1,7,6,30,22,40,40,30,,0  
-1,1,1,7,6,40,18,34,34,40,,0  
1,1,1,7,6,25,36,31,31,25,36,61,0  
2,1,1,7,6,25,30,37,37,25,30,55,0  
3,1,1,7,6,22,25,45,45,22,25,47,0  
4,1,1,7,6,23,32,37,37,23,32,55,0  
5,1,1,7,6,32,30,30,30,32,30,62,0  
6,1,1,7,6,32,28,32,32,32,28,60,0  
7,1,1,7,6,22,20,50,50,22,20,42,0  
8,1,1,7,6,22,25,45,45,22,25,47,0  
9,1,1,7,6,20,28,44,44,20,28,48,0  
10,1,1,7,6,20,22,50,50,20,22,42,0  
11,1,1,7,6,20,25,47,47,20,25,45,0  
12,1,1,7,6,22,26,44,44,22,26,48,0  
-2,1,1,7,7,18,18,56,56,18,,1  
-1,1,1,7,7,18,18,56,56,18,,1  
1,1,1,7,7,18,35,39,39,18,35,53,1  
2,1,1,7,7,35,25,32,32,35,25,60,1  
3,1,1,7,7,25,30,37,37,25,30,55,1  
4,1,1,7,7,30,27,35,35,30,27,57,1  
5,1,1,7,7,27,30,35,35,27,30,57,1  
6,1,1,7,7,30,30,32,32,30,30,60,1  
7,1,1,7,7,30,24,38,38,30,24,54,1  
8,1,1,7,7,24,30,38,38,24,30,54,1  
9,1,1,7,7,30,24,38,38,30,24,54,1  
10,1,1,7,7,24,23,45,45,24,23,47,1  
11,1,1,7,7,23,22,47,47,23,22,45,1  
12,1,1,7,7,22,22,48,48,22,22,44,1  
-2,1,1,7,8,30,24,38,38,30,,0  
-1,1,1,7,8,40,24,28,28,40,,0  
1,1,1,7,8,35,18,39,39,35,18,53,0  
2,1,1,7,8,25,35,32,32,25,35,60,0  
3,1,1,7,8,30,25,37,37,30,25,55,0  
4,1,1,7,8,27,30,35,35,27,30,57,0  
5,1,1,7,8,30,27,35,35,30,27,57,0  
6,1,1,7,8,30,30,32,32,30,30,60,0  
7,1,1,7,8,24,30,38,38,24,30,54,0  
8,1,1,7,8,30,24,38,38,30,24,54,0  
9,1,1,7,8,24,30,38,38,24,30,54,0  
10,1,1,7,8,23,24,45,45,23,24,47,0  
11,1,1,7,8,22,23,47,47,22,23,45,0  
12,1,1,7,8,22,22,48,48,22,22,44,0  
-2,1,1,7,9,20,40,32,32,20,,1  
-1,1,1,7,9,18,23,51,51,18,,1  
1,1,1,7,9,27,18,47,47,27,18,45,1  
2,1,1,7,9,18,28,46,46,18,28,46,1  
3,1,1,7,9,18,18,56,56,18,18,36,1  
4,1,1,7,9,18,18,56,56,18,18,36,1  
5,1,1,7,9,18,18,56,56,18,18,36,1  
6,1,1,7,9,18,18,56,56,18,18,36,1  
7,1,1,7,9,18,18,56,56,18,18,36,1  
8,1,1,7,9,18,18,56,56,18,18,36,1

9,1,1,7,9,18,18,56,56,18,18,36,1  
10,1,1,7,9,18,18,56,56,18,18,36,1  
11,1,1,7,9,18,18,56,56,18,18,36,1  
12,1,1,7,9,18,18,56,56,18,18,36,1  
-2,1,1,7,10,18,30,44,44,18,,0  
-1,1,1,7,10,30,36,26,26,30,,0  
1,1,1,7,10,18,27,47,47,18,27,45,0  
2,1,1,7,10,28,18,46,46,28,18,46,0  
3,1,1,7,10,18,18,56,56,18,18,36,0  
4,1,1,7,10,18,18,56,56,18,18,36,0  
5,1,1,7,10,18,18,56,56,18,18,36,0  
6,1,1,7,10,18,18,56,56,18,18,36,0  
7,1,1,7,10,18,18,56,56,18,18,36,0  
8,1,1,7,10,18,18,56,56,18,18,36,0  
9,1,1,7,10,18,18,56,56,18,18,36,0  
10,1,1,7,10,18,18,56,56,18,18,36,0  
11,1,1,7,10,18,18,56,56,18,18,36,0  
12,1,1,7,10,18,18,56,56,18,18,36,0  
-2,2,1,8,1,20,18,46,54,20,,1  
-1,2,1,8,1,15,20,70,50,2,,1  
1,2,1,8,1,18,25,50,30,17,25,42,1  
2,2,1,8,1,18,25,49,40,18,25,43,1  
3,2,1,8,1,18,26,48,43,18,26,44,1  
4,2,1,8,1,20,15,40,58,20,14,34,1  
5,2,1,8,1,18,18,56,55,18,18,36,1  
6,2,1,8,1,18,22,52,51,18,22,40,1  
7,2,1,8,1,20,24,48,47,20,24,44,1  
8,2,1,8,1,20,17,55,57,20,15,35,1  
9,2,1,8,1,20,20,52,50,20,20,40,1  
10,2,1,8,1,20,24,48,47,20,24,44,1  
11,2,1,8,1,24,24,44,44,24,24,48,1  
12,2,1,8,1,24,24,44,44,24,24,48,1  
-2,2,1,8,2,40,18,25,45,40,,0  
-1,2,1,8,2,20,20,35,52,20,,0  
1,2,1,8,2,25,18,30,50,25,17,42,0  
2,2,1,8,2,25,18,40,49,25,18,43,0  
3,2,1,8,2,26,18,43,48,26,18,44,0  
4,2,1,8,2,15,20,58,40,14,20,34,0  
5,2,1,8,2,18,18,55,56,18,18,36,0  
6,2,1,8,2,22,18,51,52,22,18,40,0  
7,2,1,8,2,24,20,47,48,24,20,44,0  
8,2,1,8,2,17,20,57,55,15,20,35,0  
9,2,1,8,2,20,20,50,52,20,20,40,0  
10,2,1,8,2,24,20,47,48,24,20,44,0  
11,2,1,8,2,24,24,44,44,24,24,48,0  
12,2,1,8,2,24,24,44,44,24,24,48,0  
-2,2,1,8,3,60,26,31,24,35,,1  
-1,2,1,8,3,37,24,25,24,37,,1  
1,2,1,8,3,25,10,23,49,25,10,35,1  
2,2,1,8,3,32,15,25,50,32,10,42,1  
3,2,1,8,3,35,13,55,45,24,13,37,1  
4,2,1,8,3,40,15,37,44,40,8,48,1  
5,2,1,8,3,50,20,60,34,12,20,32,1  
6,2,1,8,3,40,20,30,35,40,17,57,1  
7,2,1,8,3,20,19,35,32,20,19,39,1  
8,2,1,8,3,35,18,38,33,35,18,53,1  
9,2,1,8,3,35,20,38,37,34,20,54,1  
10,2,1,8,3,35,19,38,38,35,19,54,1  
11,2,1,8,3,35,22,38,35,32,22,54,1  
12,2,1,8,3,35,20,38,37,34,20,54,1  
-2,2,1,8,4,10,20,55,62,10,,0  
-1,2,1,8,4,21,20,9,60,21,,0  
1,2,1,8,4,10,25,49,23,10,25,35,0  
2,2,1,8,4,15,32,50,25,10,32,42,0  
3,2,1,8,4,13,35,45,55,13,24,37,0

4,2,1,8,4,15,40,44,37,8,40,48,0  
5,2,1,8,4,20,50,34,60,20,12,32,0  
6,2,1,8,4,20,40,35,30,17,40,57,0  
7,2,1,8,4,19,20,32,35,19,20,39,0  
8,2,1,8,4,18,35,33,38,18,35,53,0  
9,2,1,8,4,20,35,37,38,20,34,54,0  
10,2,1,8,4,19,35,38,38,19,35,54,0  
11,2,1,8,4,22,35,35,38,22,32,54,0  
12,2,1,8,4,20,35,37,38,20,34,54,0  
-2,2,1,8,5,40,25,27,26,40,,,1  
-1,2,1,8,5,30,36,26,56,30,,,1  
1,2,1,8,5,33,18,41,41,33,18,51,1  
2,2,1,8,5,18,33,41,41,18,33,51,1  
3,2,1,8,5,18,18,56,56,18,18,36,1  
4,2,1,8,5,18,18,56,56,18,18,36,1  
5,2,1,8,5,18,18,56,56,18,18,36,1  
6,2,1,8,5,18,18,56,56,18,18,36,1  
7,2,1,8,5,18,18,56,56,18,18,36,1  
8,2,1,8,5,18,18,56,56,18,18,36,1  
9,2,1,8,5,18,18,56,56,18,18,36,1  
10,2,1,8,5,18,18,56,56,18,18,36,1  
11,2,1,8,5,18,18,56,56,18,18,36,1  
12,2,1,8,5,18,18,56,56,18,18,36,1  
-2,2,1,8,6,18,20,54,46,18,,,0  
-1,2,1,8,6,20,15,50,70,20,,,0  
1,2,1,8,6,18,33,41,41,18,33,51,0  
2,2,1,8,6,33,18,41,41,33,18,51,0  
3,2,1,8,6,18,18,56,56,18,18,36,0  
4,2,1,8,6,18,18,56,56,18,18,36,0  
5,2,1,8,6,18,18,56,56,18,18,36,0  
6,2,1,8,6,18,18,56,56,18,18,36,0  
7,2,1,8,6,18,18,56,56,18,18,36,0  
8,2,1,8,6,18,18,56,56,18,18,36,0  
9,2,1,8,6,18,18,56,56,18,18,36,0  
10,2,1,8,6,18,18,56,56,18,18,36,0  
11,2,1,8,6,18,18,56,56,18,18,36,0  
12,2,1,8,6,18,18,56,56,18,18,36,0  
-2,2,1,8,7,18,40,45,25,7,,,1  
-1,2,1,8,7,20,20,52,35,20,,,1  
1,2,1,8,7,20,36,36,28,20,36,56,1  
2,2,1,8,7,18,20,62,45,10,20,30,1  
3,2,1,8,7,18,18,56,56,18,18,36,1  
4,2,1,8,7,18,18,56,56,18,18,36,1  
5,2,1,8,7,18,18,56,56,18,18,36,1  
6,2,1,8,7,18,18,56,56,18,18,36,1  
7,2,1,8,7,18,18,56,56,18,18,36,1  
8,2,1,8,7,18,18,56,56,18,18,36,1  
9,2,1,8,7,18,18,56,56,18,18,36,1  
10,2,1,8,7,18,18,56,56,18,18,36,1  
11,2,1,8,7,18,18,56,56,18,18,36,1  
12,2,1,8,7,18,18,56,56,18,18,36,1  
-2,2,1,8,8,26,60,24,31,26,,,0  
-1,2,1,8,8,24,37,24,25,24,,,0  
1,2,1,8,8,36,20,28,36,36,20,56,0  
2,2,1,8,8,20,18,45,62,20,10,30,0  
3,2,1,8,8,18,18,56,56,18,18,36,0  
4,2,1,8,8,18,18,56,56,18,18,36,0  
5,2,1,8,8,18,18,56,56,18,18,36,0  
6,2,1,8,8,18,18,56,56,18,18,36,0  
7,2,1,8,8,18,18,56,56,18,18,36,0  
8,2,1,8,8,18,18,56,56,18,18,36,0  
9,2,1,8,8,18,18,56,56,18,18,36,0  
10,2,1,8,8,18,18,56,56,18,18,36,0  
11,2,1,8,8,18,18,56,56,18,18,36,0  
12,2,1,8,8,18,18,56,56,18,18,36,0

-2,2,1,8,9,20,10,62,55,20,,,1  
-1,2,1,8,9,20,21,60,9,11,,,1  
1,2,1,8,9,20,40,32,39,20,33,53,1  
2,2,1,8,9,25,40,30,34,25,33,58,1  
3,2,1,8,9,22,40,30,37,22,35,57,1  
4,2,1,8,9,40,35,21,22,40,30,70,1  
5,2,1,8,9,20,30,42,43,20,29,49,1  
6,2,1,8,9,20,30,42,43,20,29,49,1  
7,2,1,8,9,35,30,27,28,35,29,64,1  
8,2,1,8,9,20,20,52,53,20,19,39,1  
9,2,1,8,9,20,30,43,43,20,29,49,1  
10,2,1,8,9,20,30,43,42,19,30,49,1  
11,2,1,8,9,20,30,42,42,20,30,50,1  
12,2,1,8,9,18,30,45,45,18,29,47,1  
-2,2,1,8,10,25,40,26,27,25,,,0  
-1,2,1,8,10,36,30,56,26,6,,,0  
1,2,1,8,10,40,20,39,32,33,20,53,0  
2,2,1,8,10,40,25,34,30,33,25,58,0  
3,2,1,8,10,40,22,37,30,35,22,57,0  
4,2,1,8,10,35,40,22,21,30,40,70,0  
5,2,1,8,10,30,20,43,42,29,20,49,0  
6,2,1,8,10,30,20,43,42,29,20,49,0  
7,2,1,8,10,30,35,28,27,29,35,64,0  
8,2,1,8,10,20,20,53,52,19,20,39,0  
9,2,1,8,10,30,20,43,43,29,20,49,0  
10,2,1,8,10,30,20,42,43,30,19,49,0  
11,2,1,8,10,30,20,42,42,30,20,50,0  
12,2,1,8,10,30,18,45,45,29,18,47,0