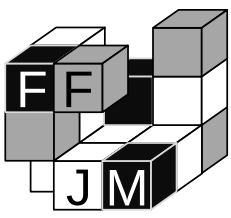
Part III	Name

Light Bulbs	**10+10+30**	**points**
Bitriminos	**20+35+35**	**points**
Word Search	**30+30**	**points**
Coral Finder	**20+20+25**	**points**
L-Pond	**10+10+20**	**points**
Meanders	**15+25+30**	**points**
Metro	**50+50**	**points**
Pills	**10+15+25**	**points**
Scanner	**40+50+60**	**points**
Stellute	**25+25+25**	**points**

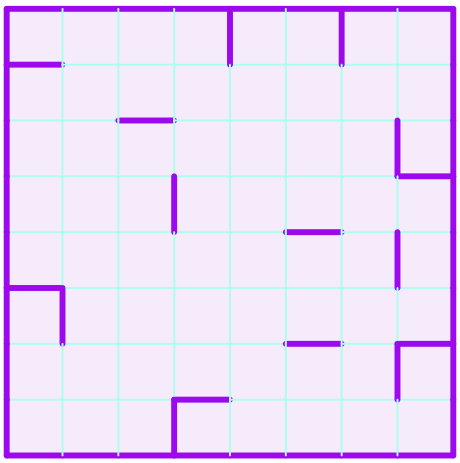


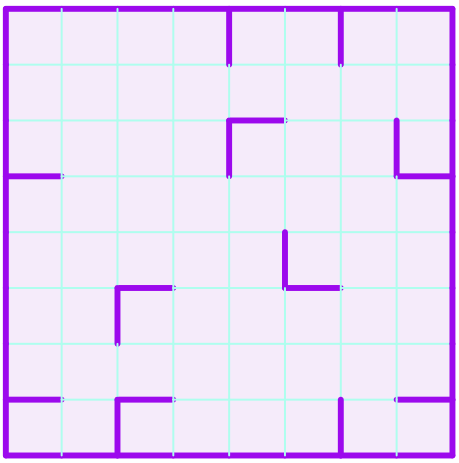


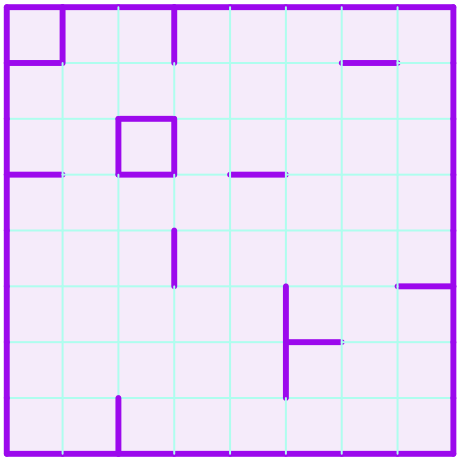
Part III		

1. Light Bulbs 10+10+30 points

Put 16 light bulbs in each grid so that no light bulb illuminates another light bulb (rays go only horizontally and vertically). The light bulbs do not touch each other, not even diagonally.







Part III

2. Bitriminos 20+35+35 points

Divide each grid into dominoes or L-triminoes so that the sum of the numbers inside each tile is 5.

1	3	2	3	1	4	1	2
3	1	1	3	1	2	1	3
2	1	3	1	1	1	2	3
3	1	4	3	2	2	2	2
3	2	2	1	1	1	2	1
1	1	1	4	1	3	1	2
1	3	2	1	3	2	3	1
1	1	2	2	3	3	4	1

1	1	3	2	3	3	4	1
3	3	3	2	2	2	3	1
3	1	1	3	2	1	1	2
2	3	1	4	1	2	2	3
1	1	1	1	3	1	4	1
1	3	4	1	1	1	3	1
2	2	1	1	2	2	2	1
2	3	1	3	2	2	3	4

1	2	2	3	2	1	1	4
2	1	2	1	3	1	1	1
3	2	1	2	2	1	2	3
2	1	2	3	2	1	2	3
1	2	2	3	1	1	3	2
4	1	1	1	1	3	1	2
2	1	3	3	1	2	4	3
1	2	3	2	2	2	3	2

Part III		

3. Word Search 30+30 points

Divide each grid into straight blocks and fill each square with letters so that one can read exactly once all the given words from left to right or top to bottom inside the blocks.

				C	O		
P		T		N			
B		T	E		U		
O	L		M		P	U	I
		T	O	P		G	
		R	I				N

AMI
BATEAU
COI
COUP
HURE
JUGE
LIEN
LOI
OUF
PATIN
PUR
RIZ
TOP

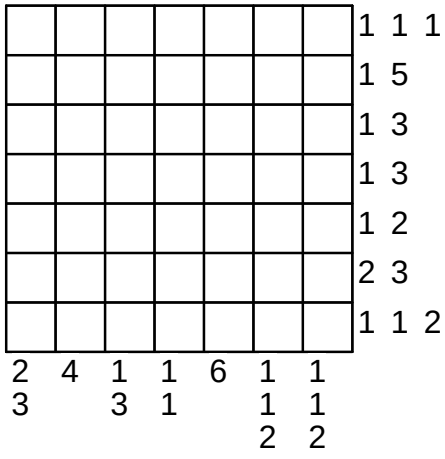
	O		E		O		
S		L			L		R
			M	L	M	A	
	R				A		
		E		I			
B				N			

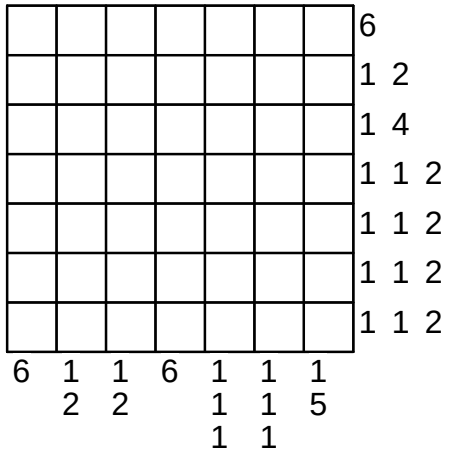
BASE
GRAINE
LAME
LOIN
MARE
MER
MOI
SATIN
SOIE
SOIN
SOL
VIRE

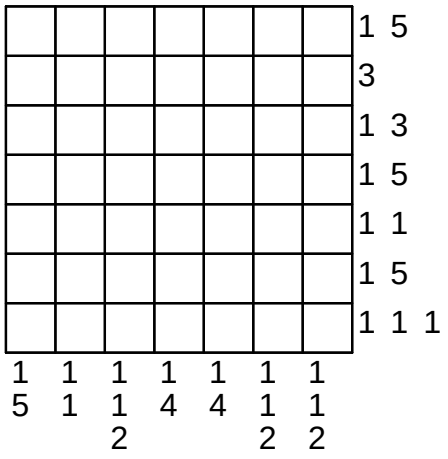
Part III

4. Coral Finder 20+20+25 points

Select a connected set of squares (the coral) that does not touch itself, not even diagonally. Numbers outside the grid indicate the lengths of consecutive parts of the coral in the given row or column. However, numbers are not written in the order they appear in their respective row or column. No 2×2 area can be covered by the coral.



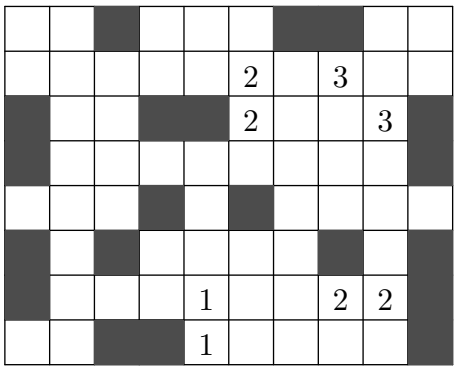


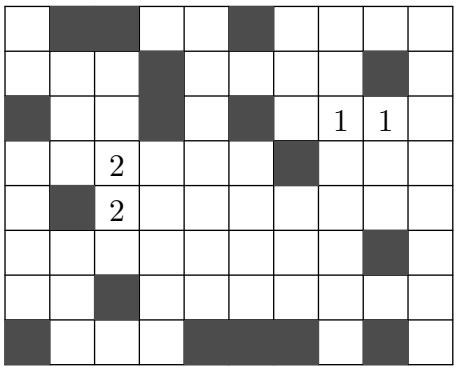


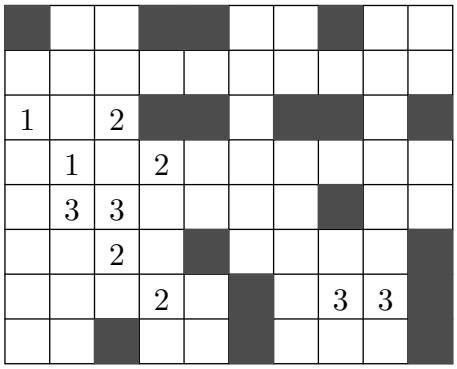
Part III

5. L-Pond 10+10+20 points

Divide each pond into L-triminoes so that no trimino contains twice the same digit. The black squares do not belong to the pond.



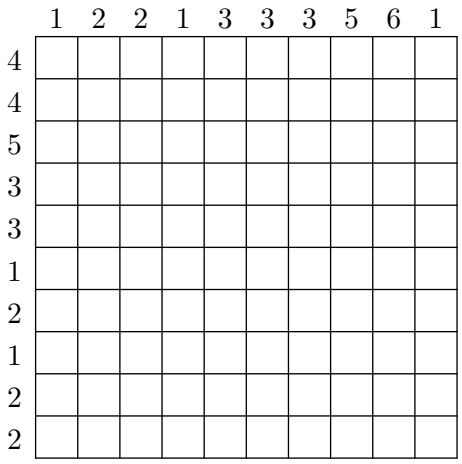


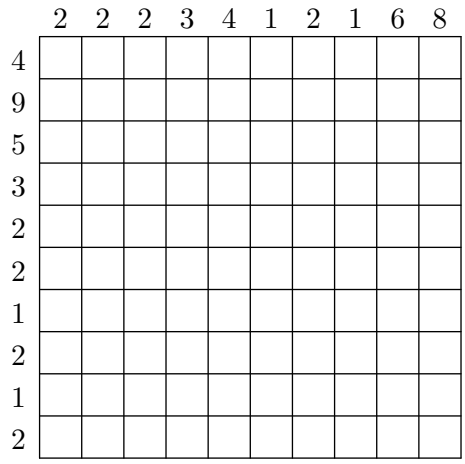


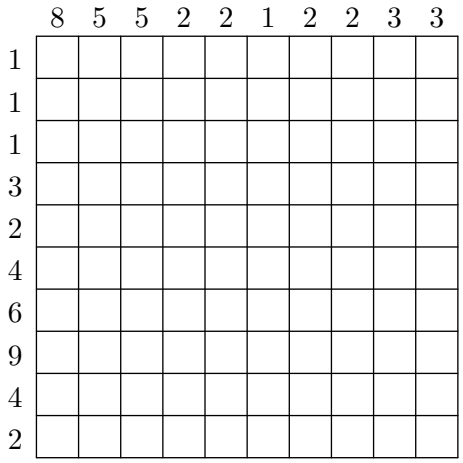
Part III

6. Meanders 15+25+30 points

Locate the route starting in the top left square and ending in the bottom right square. The route meanders horizontally or vertically, and the numbers outside the grid indicate the number of occupied squares in that row or column.



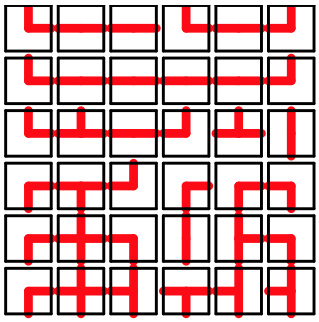


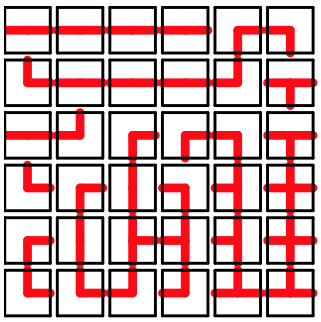


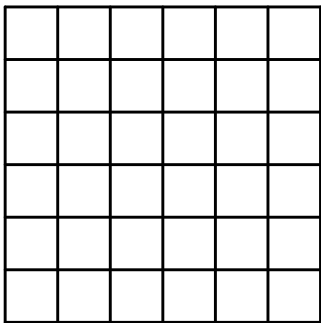
Part III

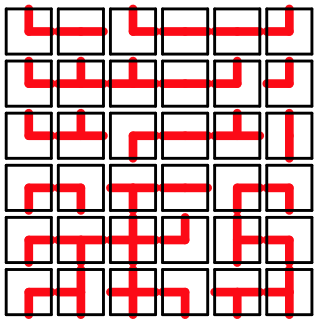
7. Metro 50+50 points

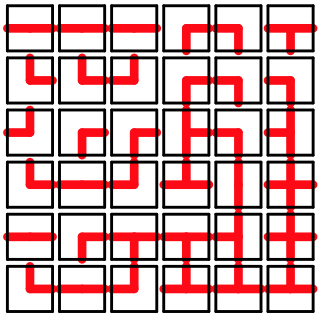
Reconstruct the subway network from the puzzle. Subway lines do not reach the boundary of the figure and there is no dead end in the network. The composition of each row and column is given.

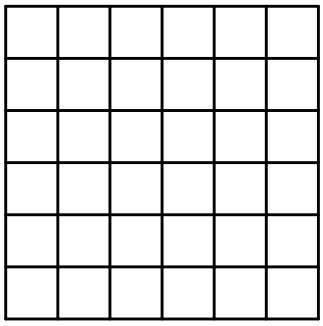








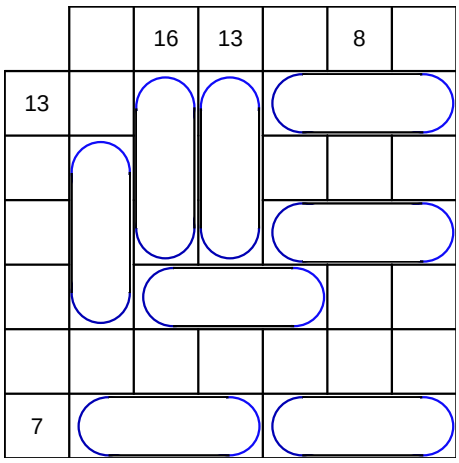


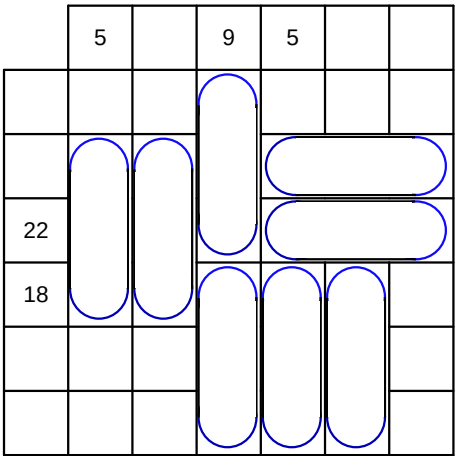


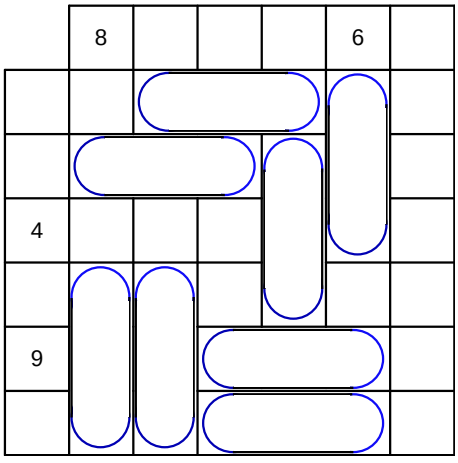
Part III

8. Pills 10+15+25 points

Eight pills with a size of three horizontally or vertically connected squares are placed in each grid. The pills have all different values from 0 to 7. The values next to the grid indicate the sum of the values of the pills in that row or column.







Part III

9. Scanner 40+50+60 points

Fill in each grid with numbers so that no equal numbers are next to each other horizontally or vertically. The composition of the rows and column are given.

1	1	2	1	3	2	1
3	1	2	1	3	2	1
4	1	3	2	4	3	3
4	4	3	3	4	4	4
4	4	4	4	4	4	4

1	1	1	1	1	1	1
2	1	2	3	2	2	2
2	2	3	4	2	2	3
3	3	3	4	3	3	4
3	4	4	4	3	4	4

1	1	1	2	4	4	4
3	3	3	3	4	4	4
1	1	2	2	4	4	4
1	1	2	3	3	4	4
1	2	3	3	4	4	4

1	2	3	3	3	4	4
1	1	1	1	2	3	3
2	2	2	3	4	4	4
1	1	2	2	3	4	4
1	2	2	3	3	3	4

1	1	1	1	1	2	1
1	2	1	2	1	2	2
3	3	3	3	2	3	3
4	4	4	3	2	4	3
4	4	4	4	4	4	4

2	2	2	3	3	4	4
1	1	1	2	3	3	4
2	3	3	4	4	4	4
1	1	1	2	3	3	4
1	1	1	2	4	4	4

Part III

10. Stellute 25+25+25 points

Put two stars in each row and column of each grid so that the numbers outside indicate the number of empty cells between the stars of the corresponding row or column. The stars do not touch each other, not even diagonally.

