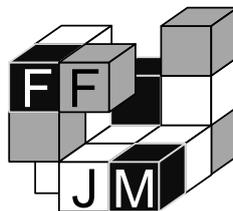


Part 1 – Getting started – 30 minutes

1.	Differences	10
2.	Password Path	15
3.	Tents	15
4.	Square Cut	15
5.	Balancing	10
6.	Tapa	20
7.	No Four in a Row	20
8.	Loop Finder	20
9.	Loop in Five	25
10.	Star Battle	25

Total: 175 points + time bonus (5 pts/minute)

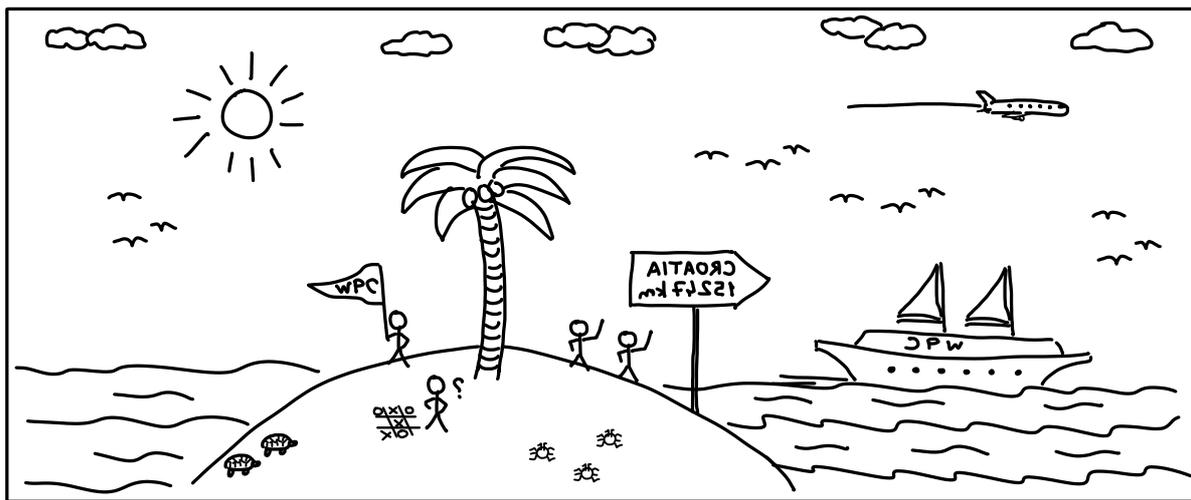
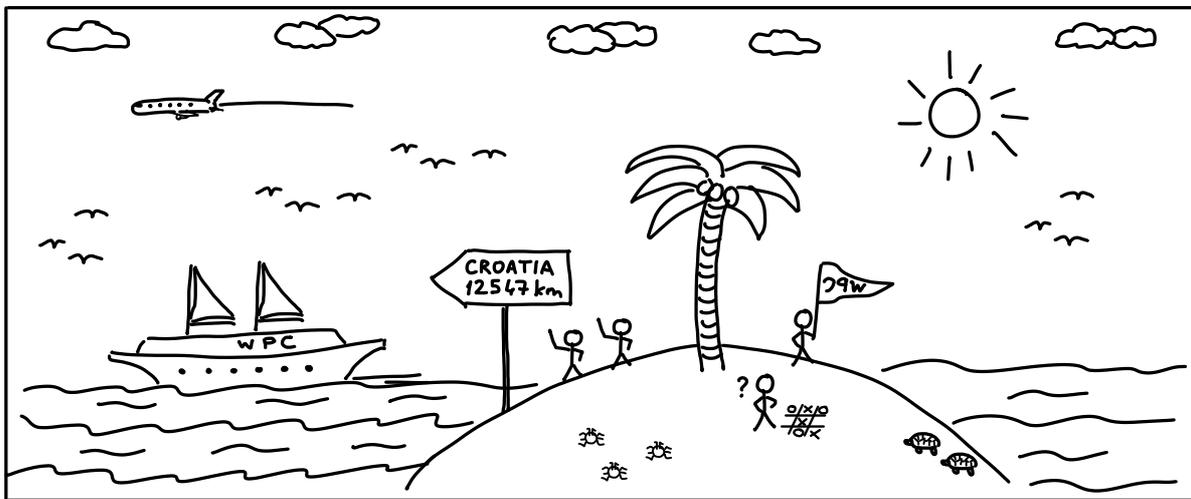


1. Differences

(10 points)

The two images are nearly identical up to a reflection. Find the 5 differences between them. Mark the differences clearly on one or the other image (circle a reasonably sized area around each difference).

(2 points for each difference found)



**French WPC Test
2012**

Part 1

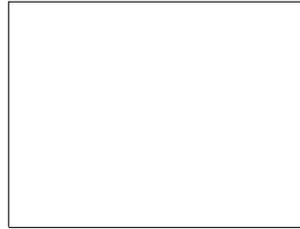
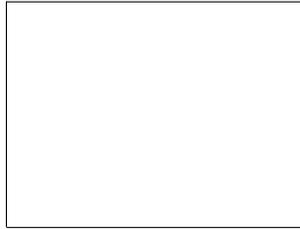
2. Password Path

(15 points)

Draw a path from the gray cell in the upper-left corner to the gray cell in the lower-right corner, passing exactly once through each cell of the grid. The path connects the centers of cells that are horizontally, vertically or diagonally adjacent to each other, without crossing or overlapping itself. The letters of the given password repeat in order as one goes along the path.

C	T	I	A	T	I	A	O	A	T	I
O	R	A	A	O	C	R	R	C	A	O
A	O	R	C	R	O	A	C	A	R	A
T	I	C	A	T	A	O	T	I	A	T
O	R	A	I	O	A	I	R	C	O	I
T	A	C	R	T	R	T	A	R	T	A
I	A	C	I	A	C	O	A	C	I	A

CROATIA



3. Tents

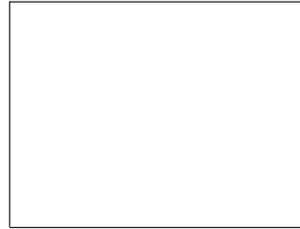
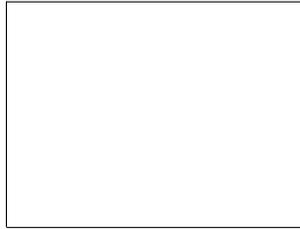
(15 points)

Locate the tents in the grid. Each tree is connected to exactly one tent, found in a horizontally or vertically adjacent square. Tents do not touch each other, not even diagonally. The numbers outside the grid reveal the total number of tents in the corresponding row or column.

	3	2	2	2	3	2	1	2	1	2
2			🌳	🌳						
2						🌳		🌳		
2										🌳
1		🌳					🌳			
2	🌳		🌳		🌳					
3						🌳				🌳
1										
3		🌳							🌳	
1			🌳		🌳		🌳			
3		🌳			🌳		🌳			

**French WPC Test
2012**

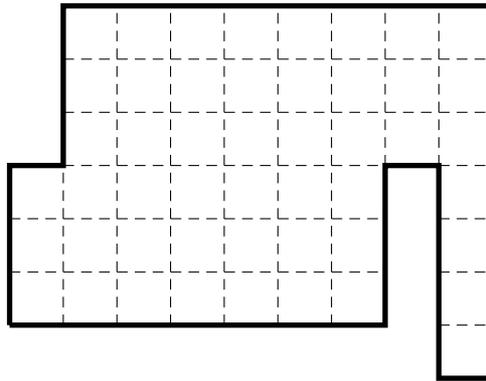
Part 1



4. Square Cut

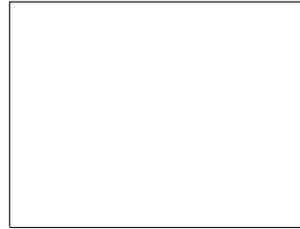
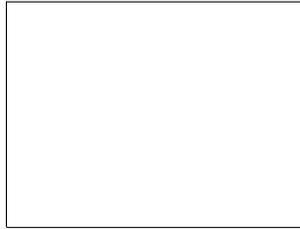
(15 points)

Cut the figure into two parts that can be reassembled (without reflecting them and without overlap) to form a square.



**French WPC Test
2012**

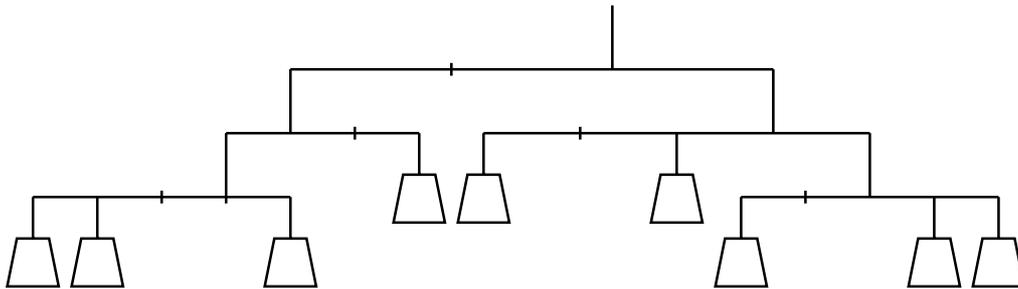
Part 1



5. Balancing

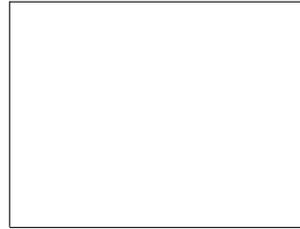
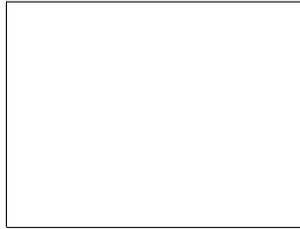
(10 points)

Assign the values 1 to 9 to the weights in the diagram so that everything balances as shown. (The beams have negligible weight). Each value will be used exactly once.



**French WPC Test
2012**

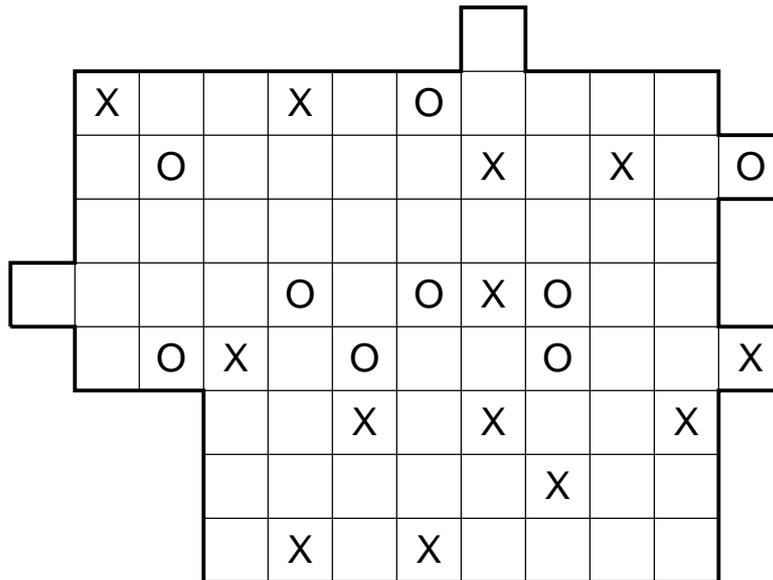
Part 1



7. No Four in a Row

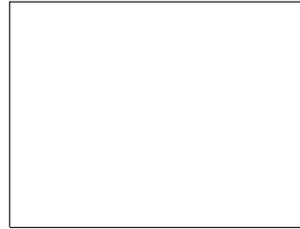
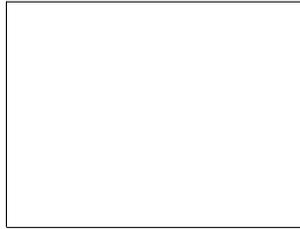
(20 points)

Fill in the grid with O and X so that four consecutive identical symbols never appear in any row, column, or diagonal.



**French WPC Test
2012**

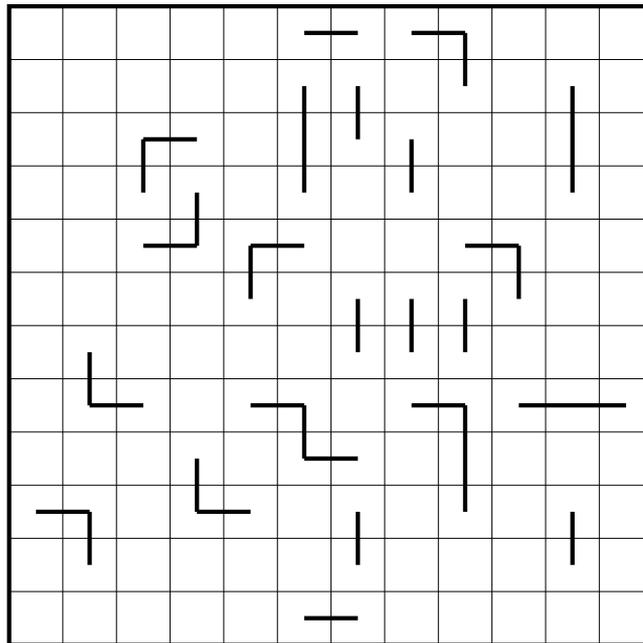
Part 1



8. Loop Finder

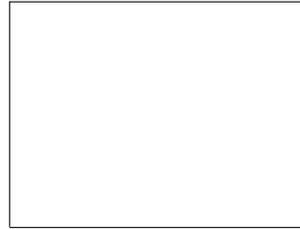
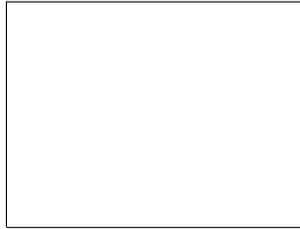
(20 points)

Draw a continuous loop formed by straight line segments connecting the centers of adjacent squares. The loop must not cross or overlap itself, and must visit all squares. Some parts of the loop are already given.



**French WPC Test
2012**

Part 1



10. Star Battle

(25 points)

Place two stars in each column, each row, and each black-edged region of the grid. The stars do not touch each other, not even diagonally.

