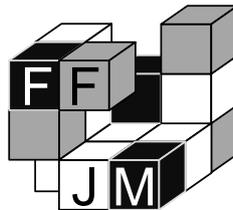


Part 3 – False clues – 25 minutes

- 1. **False Minesweeper** 10
- 2. **False Easy as ABC** 10
- 3. **False Skyscrapers** 10
- 4. **False Battleships** 20
- 5. **False Tapa** 15
- 6. **False Sudoku** 25
- 7. **False Snake** 30

Total: 120 points + time bonus (5 pts/minute)



**French WPC Test
2012**

Part 3

1. False Minesweeper

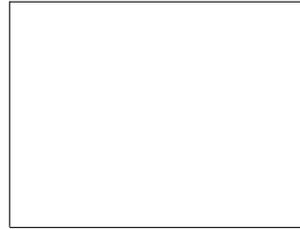
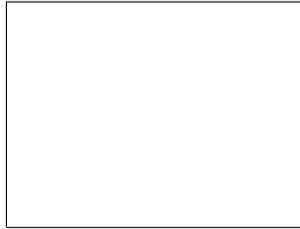
(10 points)

Each square of the grid contains at most one mine. The numbers inside the diagram are never equal to the number of mines that can be found in the squares immediately adjacent (horizontally, vertically, or diagonally) to the square containing the clue. Squares with a number do not contain mines. Find the mines.

| | | | | |
|---|---|---|---|---|
| | 1 | 1 | | 1 |
| 3 | | 2 | 1 | |
| | 2 | | | 1 |
| 1 | | 0 | 1 | |
| | 2 | 0 | | 1 |

**French WPC Test
2012**

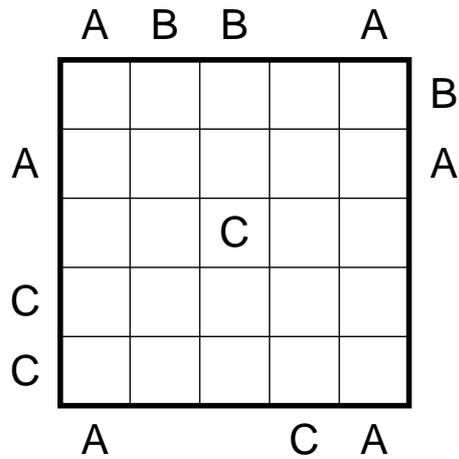
Part 3



2. False Easy as ABC

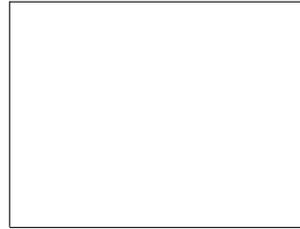
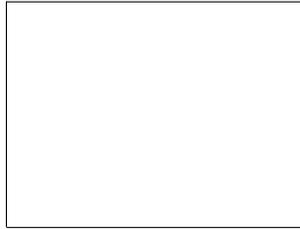
(10 points)

Place the letters A, B and C into the diagram, so that each letter occurs exactly once in each row and column. The clues outside the diagram never indicate the first letter seen from that direction. Some letters are already placed (correctly).



**French WPC Test
2012**

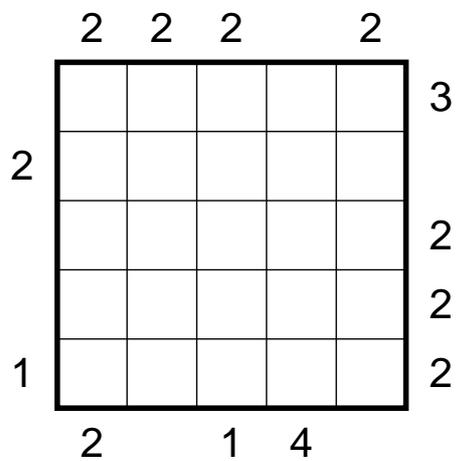
Part 3

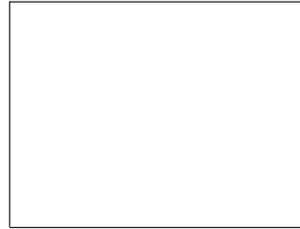
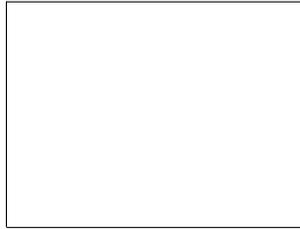


3. False Skyscrapers

(10 points)

The grid represents a group of skyscrapers. Each row and column contains skyscrapers of different heights from 1 to 5. The numbers outside the grid never indicate how many skyscrapers are visible from that direction (a building located behind a taller one in the same row is completely hidden).

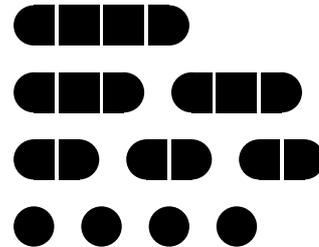
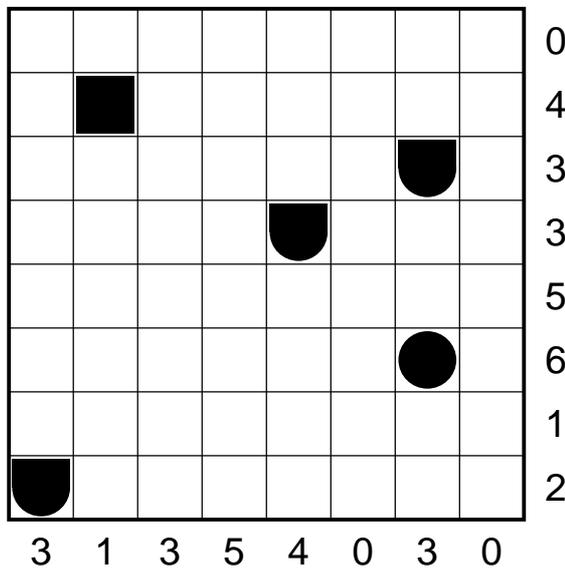


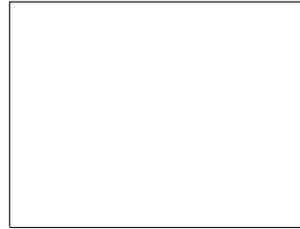
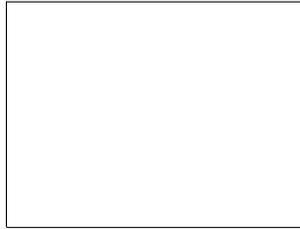


4. False Battleships

(20 points)

Locate the position of the fleet (shown below) in the grid. Each segment of a ship occupies a single cell. Ships are oriented either horizontally or vertically, and they do not touch each other, not even diagonally. The numbers outside the grid are never equal to the total number of ship segments that appear in the corresponding row or column. Some ship segments are already placed.



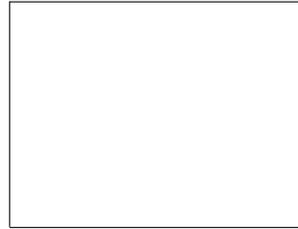
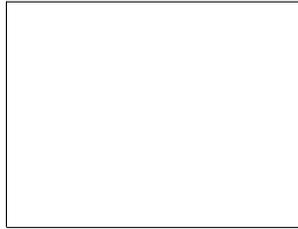


5. False Tapa

(15 points)

Paint some empty cells black to form a continuous wall of black cells (connected to each other horizontally or vertically). No 2x2 square can be completely black. The number(s) in a square never indicate the lengths of the consecutive blocks of black cells among the adjacent squares (horizontally, vertically or diagonally). Each number represents one block of black cells, and when there is more than one number in a square, the black cell blocks must be separated by at least one white cell. The order in which the numbers are given is irrelevant. For example, if a cell contains the clues 2 and 3, then the adjacent squares contain two black cell blocks, and neither of these two blocks consists of 2 or 3 black cells.

| | | | | | | | |
|---|--|-----|-----|-----|----------|--|---|
| 1 | | 2 2 | | | | | 1 |
| | | | | | 2 | | |
| 5 | | | | | | | |
| | | | | 1 1 | | | |
| | | 4 | | | 3 3 3 | | |
| | | | 2 2 | | | | 2 |
| 1 | | | | | | | |
| | | 2 | | 1 1 | | | 1 |

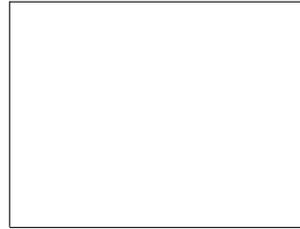
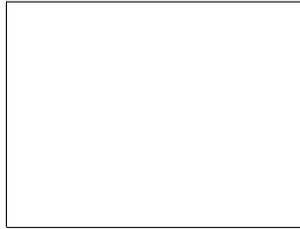


6. False Sudoku

(25 points)

Fill in the grid with digits from 1 to 6 so that each digit appears exactly once in each row, column, and highlighted area. The given clues are all wrong.

| | | | | | |
|---|---|---|---|---|---|
| 1 | | | | | 4 |
| 1 | 5 | | | 4 | 4 |
| | 5 | 3 | 3 | 1 | |
| | 3 | 3 | 1 | | 4 |
| | 3 | 6 | 6 | 6 | 4 |
| 4 | | | | 2 | 1 |



7. False Snake

(30 points)

Draw a snake consisting of horizontal and vertical line segments connecting the centers of adjacent cells of the grid. The snake occupies 49 squares of the grid, and cannot touch itself, not even diagonally. The numbers in the margin are never equal to the number of cells occupied by the snake in the corresponding row or column. The two extremities of the snake and its mid-point are already placed. The black cells cannot be traversed by the snake.

