France/Belgium WPC Test 2011 **Part 4**	Name

7. Skyscrapers and Ring Road – WITH HINT (60 points)

Each row and column of the grid contains 7 skyscrapers of different heights (from 1 to 7). The numbers outside the grid indicate how many skyscrapers are visible from that direction (a building located behind a taller one in the same row is completely hidden).

The cells which do not contain a skyscraper are part of a closed loop made of horizontal and vertical segments linking the centers of adjacent cells. The loop passes through every cell which does not contain a skyscraper, without crossing or overlapping itself.

Find the loop and the heights of the skyscrapers.

All the skyscrapers of height 7 have been placed.

	6		1				1	2	4	2			
			7										5
7											7		
4					7								2
				7									4
2							7						3
					1							7	
	7												
3						7							
4									7				
2							5	7					
		7											7
5										7			3
	1		2	4	2	1						6	