

WPC French
Qualifier 2009

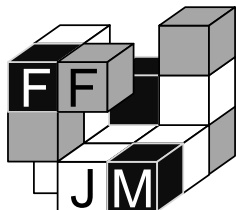
Part II

Name

11:40 - 12:30 (50 minutes)

- | | |
|---------------------------------|---------------------------|
| 1. Alhambra | 60+60 points |
| 2. Arrows | 30+40+40+50 points |
| 3. Clouded Weather | 40+50 points |
| 4. Roller Coaster | 40+40 points |
| 5. Sum of the First Seen | 50 points |

Total: 500 points + time bonus (5 pts/minute)



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Part II

1. Alhambra (60+60 points)

The grid represents a dwarf hall. Find the position of round pillars of width 1 given that two pillars cannot touch each other horizontally or vertically and that the hints represent the number of visible cells (horizontally and vertically, including themselves) from their position. All cells without a pillar are connected, horizontally or vertically. No pillar can be put on a hint.

		7	5		
7					2
			7		
			5		

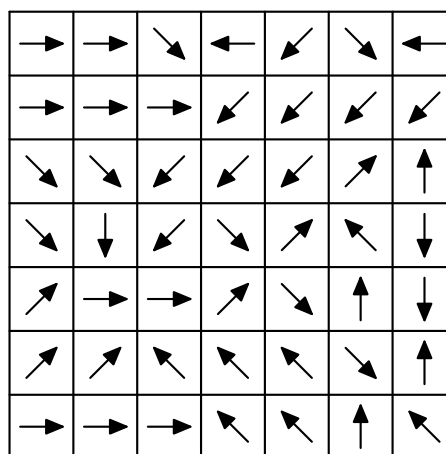
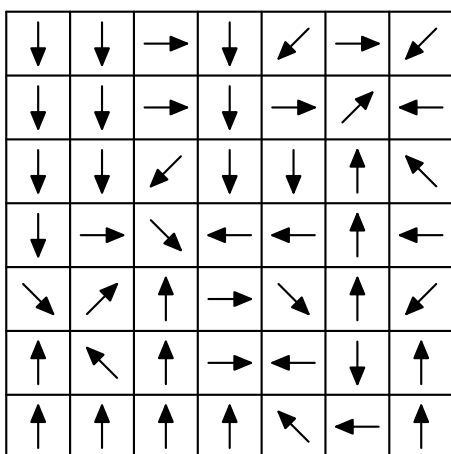
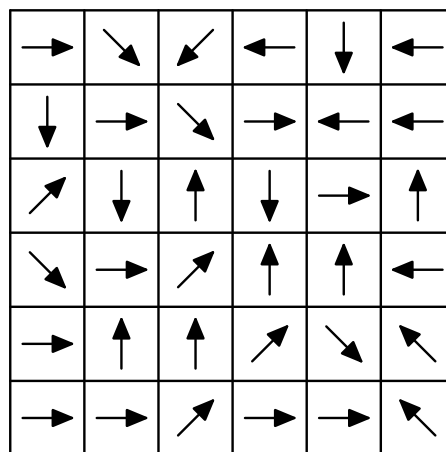
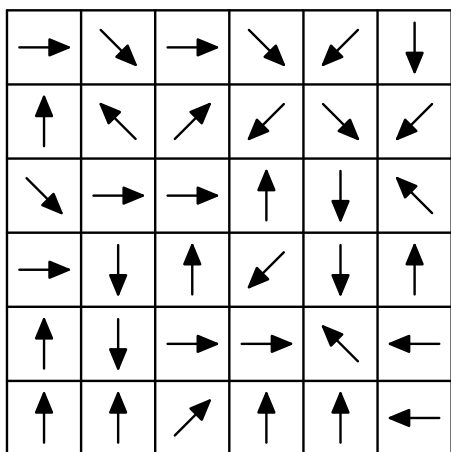
	5				
	7	9			
					3
			6		
				4	

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2. Arrows (30+40+40+50 points)

Circle some arrows so that each arrow (circled or not) points to exactly one circled arrow.



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3. Clouded Weather

(40+50 points)

Each row and column contains one sun and one cloud, never positioned on figures. The hints indicate how many suns are seen, horizontally and vertically from the hint: a sun is seen from a square if there isn't a cloud in between.

		2				
				2		
	2	2				
		1			1	1
2						
	2		2		1	2

					2	
			0	0		
		0				
	2					
	2		2	2		
		2			1	

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4. Roller Coaster

(40+40 points)

Fill the grid with the numbers from 1 to 6, each once in each row and column. Comparing each number horizontally to its (at most) two neighbours, it is either smaller than both of them or greater than both of them. The same property holds vertically.

3					
		1			
	4				
			1	6	
			6		

	4				1
		2			6
5	1				
1					

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5. Sum of the First Seen (50 points)

Place the digits 1, 2, and 3, in the grid so that in every row and column, each digit appears exactly once. The digits outside the grid indicate the sum of the digits forming the first sequence seen from that direction.

4								
								6
2								3
2								
6								
	5	3	5				3	