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Logic Masters 2017 Round 1 – Carousel

Time: 30 minutes

1.1 Arukone
1.2 Diagonal Sudoku10 points
1.3 Heyawake
1.4 Skyscrapers with two Parks
1.5 Nurikabe
1.6 Easy as ABC
1.7 Anti Letter Pentominoes
Total105 points

Bonus for every 30 seconds remaining2 points

PUNKTE	
l	

1.1 Arukone

Connect pairs of identical letters with lines which connect the center of horizontally or vertically adjacent cells using every cell at most once.

			Α					
I		Κ					S	
				R	Μ	Ε	S	
				В				
		В						
						R		
		С	Α					
	Ε	D			F	D		
				Κ		F		
М	С							

1.2 Diagonal Sudoku

Write the given symbols into the grid such that in every row, column and region and in both main diagonals every symbol appears exactly once. Symbols: 0, 1, 2, 7, L, M

	L	Μ		
	\nearrow			
			1	
2	0		Z	

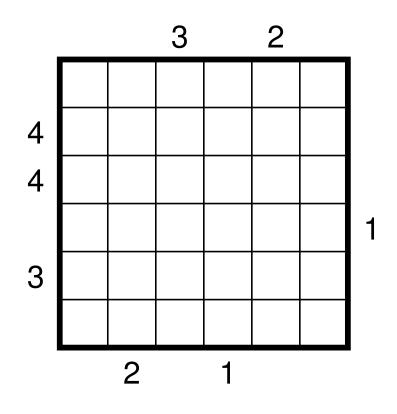
1.3 Heyawake

Blacken some cells, such that no two black cells share an edge and all white cells are connected. It is allowed to blacken cells containing numbers. There is no connected sequence of white cells in any row or column which extends to more that two regions. Numbers determine the number of black cells in the respective regions.

		2		
		3		

1.4 Skyscrapers with two Parks

Write the numbers 1 to 4, indicating the heights of skyscrapers, into the grid such that in every row and column every number appears exactly once. Two cells remain empty in every row and column. Numbers at the edge of the grid determine how many skyscrapers are visible in this direction. Higher skyscrapers hide lower skyscrapers.



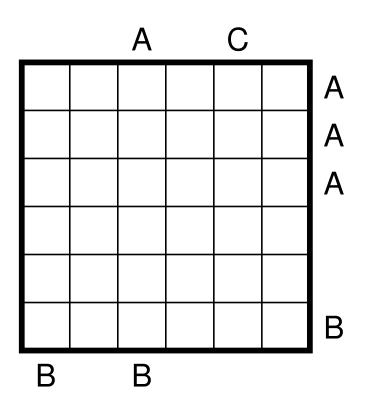
1.5 Nurikabe

Blacken some empty cells such that all black cells are connected but no 2x2 area is blackened completely. Every white region contains exactly one of the given numbers. The number represents the size of the region.

			20		
		4			
	1			17	

1.6 Easy as ABC

Put the letters A, B and C into the grid such that every letter appears in every row and column exactly once. Letters on the edge determine which letter comes first in the respective row or column.



1.7 Anti Letter Pentominoes

25 Punkte

Divide the grid into pentominoes such that each pentomino occurs exactly once and no pentomino contains the letter naming its own shape. Pentominoes may be mirrored and rotated.

