

Killer sudoku 18: hard, 29 cages

29 cages · no given digits · pencil marks

Fill every square with a digit from 1 to 9 so that each row, column and 3x3 box holds every digit once. The small number in a dashed cage is the total of its squares, and no digit repeats inside a cage.

22		10	6	13	21			
					22	15		17
	13		12			15		
17					19			
10		10	10				8	
	20			18			6	
		10		23	11	11	12	
17								20
	11			6				

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²² 5	3	¹⁰ 8	⁶ 1	¹³ 7	²¹ 4	2	6	9
9	4	2	5	6	²² 3	¹⁵ 7	8	¹⁷ 1
1	¹³ 7	6	¹² 9	2	8	¹⁵ 3	5	4
¹⁷ 2	1	5	3	9	¹⁹ 6	8	4	7
¹⁰ 4	9	¹⁰ 3	¹⁰ 8	1	7	5	⁸ 2	6
6	²⁰ 8	7	2	¹⁸ 4	5	9	⁶ 1	3
7	5	¹⁰ 4	6	²³ 8	¹¹ 9	¹¹ 1	¹² 3	2
¹⁷ 8	6	1	7	3	2	4	9	²⁰ 5
3	¹¹ 2	9	4	⁶ 5	1	6	7	8