

# Diagonal Sudoku

eSnale  
P.O. Box 40735  
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Easy

		3	4	8	5			
6			9		3			
		5						
7								3
8		6				4		1
3								8
		2					1	
5			1		4			2
		1	7	2	6	8		

Medium

				7				
				1				
6		4				5		3
				5		4		
8		3					7	2
				5				
				4				

Hard

			7		6			
			3		1			
6	2	5				7	8	3
9			2		8			1
8	1	3				4	9	2
			8		2			
			5		7			

Very Hard

					5			
							3	
			9		7			4
	5			2			6	
4								9
	6			8			5	
6			5		4			1
		5					8	
			2		8			

Sample

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# Diagonal Sudoku

A diagonal sudoku is set up and solved in exactly the same way as a regular sudoku, but with the additional consideration that a number may not be repeated in either of the grid's diagonals. In this example,

	3	4	8	5				
6		9		3				
	5							
7								3
8	6				4			1
3								8
	2					1		
5		1		4				2
	1	7	2	6	8			

		3	4	8	5			
6			9		3			
	5							
7								3
8	6					4		1
3								8
	2					1		
5		1		4				2
	1	7	2	6	8			

the leftmost column is missing 1, 2, 4, and 9. We can't place a 1 in the top-left square because the diagonal containing it already contains a 1.

	3	4	8	5				
6		9		3				
	5							
7								3
8	6				4			1
3								8
	2					1		
5		1		4				2
	1	7	2	6	8			

		3	4	8	5			
6			9		3			
1		5						
7								3
8	6					4		1
3								8
	2					1		
5		1		4				2
	1	7	2	6	8			

Nor can we place our 1 immediately above or below the 5 in that column, because those rows each contain a 1 as well. The third cell down is the only good place for a 1 in the leftmost column. Good luck!

## Instructions

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