DIAGONAL SUDOKU

Fill digits 1-9 in the empty spaces of the grid so that they appear exactly once in each row, column, and 3×3 square.

Digits 1-9 must also appear uniquely along the two main diagonals indicated by grey lines.

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