ANTI-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.

Additionally, each main diagonal (indicated by broken gray lines) can have at most three different digits.

	7		8		3		9	/
			2				5	7
6	8				7	/	4	
			4		5			6
				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
8			3	6	9			
9		3	5		2			8
	/	4	6					
//				3				