Edge Difference Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.

A number at the edge of the diagram indicates the difference between the first and the last number in the corresponding row or column.

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

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