

## Inequality Diff. Sudoku September 27, 2015

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## Instructions

In each 9x9 sudoku grid, fill each row, column, and 3x3 box with one of each digit from 1 to 9 with no repeats.

In this variant, some pairs of adjacent cells share a clue on their border.

Some clues are less-than and greater-than symbols that are placed with the pointed side on the cell with the smaller digit, and the open side on the cell with the larger digit.

Some of the clues placed are digits representing the difference between the two cells' contents when the smaller digit is subtracted from the larger digit.

	- 4 5 7 - 2 4 - 1 1 5 - 2	$\begin{array}{c} & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $
8 6 2 3 1 3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 3 2 2 5 3 1 6
× × ×	1 1 5 7 - 3 8 1 7 - 2	${2}$

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< <	2 5 3	> <
51	> >	12
48	< <	56
15	>>	31
< >	7	< >
< <	1	ζ ζ
	1 2 3	<pre> </pre>

> <	$\langle \rangle$	1 2
$\langle \rangle$	$\langle \rangle$	1 6
> <	> <	1 4
1 8	<	23
1 1		76411
5 1	<	46
2 1	$\langle \rangle$	$\rightarrow$
4 2	$\rightarrow$	$\rightarrow$
2 4	< >	> <

4 6 -3 2 1 1 3 -2 3 7 4 1	·~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 4 136- 5 1 -181- 2 6
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	5 1 6 2 6 3 5 4 2 1 1 2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4 5 -734 6 2 -552 4 1

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3 5 -6 2 6 1 3 -5 2 2 6 3		2 1 -23-4- 7 6 -315- 5 2
$\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	5 3 6 4 5 5 6 3 2 3 4 5	>

1 1 	52 826- 52 633	5 7 -2 6 
	42	
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	1 4	-
5	5 2	3
2 1	4 1 6 2 5	22