One-Way Border Sudoku by clover!

Rules: Insert a number from 1 to 9 into each cell so that no number repeats in any row, column, or bold region. Also, when considering the borders between two adjacent 3x3 regions, on one side all three numbers must be less than their direct neighbors across the border. (In other words, if adding < or > symbols to the three edges between adjacent regions, the three symbols must all point the same way.)