

8 by 8 More or Less

Place the number 1 to 8 such that each row and column contains the digits 1 to 8. More or less symbols are placed between some of the cells indicating that numbers must be higher or lower than a neighbouring cell.

5		6	<		<	4	2					
∨	∧	∧						∧				
		<		>	2	<		>	3	<		7
					∨			∨				∨
8	>	7	>		<	5	3			>	2	
∨					∨			∧			∧	
	>	2					<	8		5		
∨		∧	∧	∧	∨	∨	∨	∧		∧		
3	<				7		>		<			
				∨	∨							
7		2					<	8	>	6		
		∧	∧	∧	∨	∧	∨	∨				
	<		<	7	<	8	>	2	5	3		
		∨			∧					∧		
	<	8		>		<		<				

		<	8	>			>	1		<	5		
∨	∧	∨	∧										
6	<		>	1	<		<	8	>	2		<	4
∨								∧	∧				
2	<		4	<		>						<	
∨		∧											
1	8	>		>	3	>		<	5	>			
∧		∨		∧		∧						∨	
5	<		3			<				8	2		
∨	∨	∧				∧				∨			
3		<		>		<	5	8					
∧	∨		∧	∧	∨	∨	∨	∨	∨	∨	∧		
	1	<		<	7	>			>	5	<	8	
∧			∨		∨	∨	∨	∨	∨	∨	∧		
	>		5	<			>	4					

Answers

Place the number 1 to 8 such that each row and column contains the digits 1 to 8. More or less symbols are placed between some of the cells indicating that numbers must be higher or lower than a neighbouring cell.

5	1	6	<	7	<	8	4	2	3			
↓	↑	↑							↑			
1	5	<	8	>	2	<	4	>	3	<	6	7
						↓						↓
8	>	7	>	1	<	5	3	6	4	>	2	
↓				↓		↑					↑	
6	>	2	4	3	1	<	8	7	5			
↓		↑	↑	↑	↓	↓	↓	↓	↑			
3	<	4	5	6	7	2	>	1	<	8		
			↓	↓								
7	3	2	4	5	1	<	8	>	6			
	↑	↑	↑	↓	↑	↓						
4	<	6	<	7	<	8	>	2	5	3	1	
			↓		↑						↑	
2	<	8	3	>	1	<	6	<	7	5	4	

7	3	<	8	>	4	6	>	1	2	<	5		
↓	↑	↓	↑										
6	<	7	>	1	<	5	<	8	>	2	3	<	4
		↓				↑		↑					
2	<	5	4	<	8	>	1	<	3	6	<	7	
↓		↑											
1	8	>	7	>	3	>	2	<	5	>	4	6	
↑			↓		↑						↓		
5	<	6	3	1	<	4	7	8	2				
↓	↓	↑			↑	↑	↓	↓					
3	4	<	6	>	2	<	5	8	7	1			
↑	↓		↑	↓	↓	↓	↓	↓	↑				
4	1	<	2	<	7	>	3	6	>	5	<	8	
↑			↓		↓	↓	↓	↓	↓				
8	>	2	5	<	6	7	>	4	1	3			