

Solve Hard Sudoku on Thu, 3/22/2018

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

How to solve this Sudoku?

Tried the following methods: OneChoice, Row-Elimination, Column-Elimination, Box-Elimination, Subset2Row, Subset2Col, Subset2Box, SubsetPosition2Row, SubsetPosition2Col, SubsetPosition2Box, Interaction-RowBox, Interaction-ColBox, Interaction-BoxRow, Interaction-BoxCol, Subset3Row, Subset3Col, Subset3Box, SubsetPosition3Row, SubsetPosition3Col, SubsetPosition3Box, Subset4Row, Subset4Col, Subset4Box, SubsetPosition4Row, SubsetPosition4Col, SubsetPosition4Box, DoubleRowsOneDigitCheck(X-Wing), DoubleColsOneDigitCheck(X-Wing), TripleRowsOneDigitCheck, TripleColsOneDigitCheck, QuadrRowsOneDigitCheck, QuadrColsOneDigitCheck, XY-Wing-RowBox, XY-Wing-ColBox, XY-Wing-RowCol, XYZ-Wing-RowBox, XYZ-Wing-ColBox, ConflictElimination[1].

Methods and the numbers of times they were used successfully:

OneChoice is used 40 times.

Row-Elimination is used 9 times.

Subset2Col is used once.

Interaction-ColBox is used once.

DoubleRowsOneDigitCheck(X-Wing) is used once.

ConflictElimination is used 2 times.

53 empty squares. All Numbers Are Inferred.

Try OneChoice;

[Step 1 of Solving this Sudoku] - Use OneChoice for square R7C5

457	47	8	6	1257	1257	14579	1579	3
1	2	467	5789	3	57	45789	56789	569
9	67	3	1578	1578	4	1578	2	156
678	136789	1679	1578	4	157	2	1356789	1569
2	1678	167	3	1578	9	1578	15678	4
478	134789	5	178	6	127	1789	13789	19
468	5	1469	2	1	16	3	19	7
67	167	1267	157	9	13567	15	4	8
3	1479	12479	1457	157	8	6	159	1259

Update Candidate Values during [Step 1 of Solving this Sudoku]

457	47	8	6	257	1257	14579	1579	3
1	2	467	5789	3	57	45789	56789	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	1356789	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	13789	19
468	5	469	2	1	6	3	9	7
67	167	1267	57	9	3567	15	4	8
3	1479	12479	457	57	8	6	159	1259

Try OneChoice;

[Step 2 of Solving this Sudoku] - Use OneChoice for square R7C6

457	47	8	6	257	1257	14579	1579	3
1	2	467	5789	3	57	45789	56789	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	1356789	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	13789	19
468	5	469	2	1	6	3	9	7
67	167	1267	57	9	3567	15	4	8
3	1479	12479	457	57	8	6	159	1259

Update Candidate Values during [Step 2 of Solving this Sudoku]

457	47	8	6	257	1257	14579	1579	3
1	2	467	5789	3	57	45789	56789	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	1356789	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	13789	19
48	5	49	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	1479	12479	457	57	8	6	159	1259

Try OneChoice;

[Step 3 of Solving this Sudoku] - Use OneChoice for square R7C8

457	47	8	6	257	1257	14579	1579	3
1	2	467	5789	3	57	45789	56789	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	1356789	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	13789	19
48	5	49	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	1479	12479	457	57	8	6	159	1259

Update Candidate Values during [Step 3 of Solving this Sudoku]

457	47	8	6	257	1257	14579	157	3
1	2	467	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	1378	19
48	5	4	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	1479	12479	457	57	8	6	15	125

Try OneChoice;

[Step 4 of Solving this Sudoku] - Use OneChoice for square R7C3

457	47	8	6	257	1257	14579	157	3
1	2	467	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	1378	19
48	5	4	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	1479	12479	457	57	8	6	15	125

Update Candidate Values during [Step 4 of Solving this Sudoku]

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	179	1279	457	57	8	6	15	125

Try OneChoice;

[Step 5 of Solving this Sudoku] - Use OneChoice for square R7C1

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
678	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
478	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	179	1279	457	57	8	6	15	125

Update Candidate Values during [Step 5 of Solving this Sudoku]

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	179	1279	457	57	8	6	15	125

Try OneChoice; Try Elimination;

[Step 6 of solving this Sudoku]- Use Row-Elimination for digit 3 at Row 8

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	1267	57	9	357	15	4	8
3	179	1279	457	57	8	6	15	125

Update Candidate Values during [Step 6 of Solving this Sudoku]

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	1267	57	9	3	15	4	8
3	179	1279	457	57	8	6	15	125

Try OneChoice; Try Elimination;

[Step 7 of solving this Sudoku]- Use Row-Elimination for digit 2 at Row 8

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	1267	57	9	3	15	4	8
3	179	1279	457	57	8	6	15	125

Update Candidate Values during [Step 7 of Solving this Sudoku]

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	125

Try OneChoice; Try Elimination;

[Step 8 of solving this Sudoku]- Use Row-Elimination for digit 2 at Row 6

457	47	8	6	257	1257	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	127	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	125

Update Candidate Values during [Step 8 of Solving this Sudoku]

457	47	8	6	257	157	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	125

Try OneChoice; Try Elimination;

[Step 9 of solving this Sudoku]- Use Box-Elimination for digit 2 at Box 9

457	47	8	6	257	157	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	125

Update Candidate Values during [Step 9 of Solving this Sudoku]

457	47	8	6	257	157	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 10 of solving this Sudoku]- Use Row-Elimination for digit 4 at Row 2

457	47	8	6	257	157	14579	157	3
1	2	67	5789	3	57	45789	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Update Candidate Values during [Step 10 of Solving this Sudoku]

457	47	8	6	257	157	1579	157	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 11 of solving this Sudoku]- Use Box-Elimination for digit 5 at Box 1

457	47	8	6	257	157	1579	157	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Update Candidate Values during [Step 11 of Solving this Sudoku]

5	47	8	6	27	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 12 of solving this Sudoku]- Use Box-Elimination for digit 4 at Box 1

5	47	8	6	27	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	134789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Update Candidate Values during [Step 12 of Solving this Sudoku]

5	4	8	6	27	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 13 of solving this Sudoku]- Use Row-Elimination for digit 4 at Row 6

5	4	8	6	27	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
47	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Update Candidate Values during [Step 13 of Solving this Sudoku]

5	4	8	6	27	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 14 of solving this Sudoku]- Use Column-Elimination for digit 2 at Column 5

5	4	8	6	27	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Update Candidate Values during [Step 14 of Solving this Sudoku]

5	4	8	6	2	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 15 of solving this Sudoku]- Use Row-Elimination for digit 4 at Row 9

5	4	8	6	2	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	457	57	8	6	15	2

Update Candidate Values during [Step 15 of Solving this Sudoku]

5	4	8	6	2	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 16 of solving this Sudoku]- Use Row-Elimination for digit 9 at Row 1

5	4	8	6	2	17	179	17	3
1	2	67	5789	3	57	4	5678	569
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	1789	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 16 of Solving this Sudoku]

5	4	8	6	2	17	9	17	3
1	2	67	5789	3	57	4	5678	56
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	178	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 17 of solving this Sudoku]- Use Row-Elimination for digit 9 at Row 2

5	4	8	6	2	17	9	17	3
1	2	67	5789	3	57	4	5678	56
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	178	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 17 of Solving this Sudoku]

5	4	8	6	2	17	9	17	3
1	2	67	9	3	57	4	5678	56
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	178	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination;

[Step 18 of solving this Sudoku]- Use Row-Elimination for digit 8 at Row 2

5	4	8	6	2	17	9	17	3
1	2	67	9	3	57	4	5678	56
9	67	3	1578	578	4	1578	2	156
67	136789	1679	1578	4	157	2	135678	1569
2	1678	167	3	578	9	1578	15678	4
4	13789	5	178	6	2	178	1378	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 18 of Solving this Sudoku]

5	4	8	6	2	17	9	17	3
1	2	67	9	3	57	4	8	56
9	67	3	1578	578	4	157	2	156
67	136789	1679	1578	4	157	2	13567	1569
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row;
 Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox;
**[Step 19 of solving this Sudoku]- Use InteractionColBox for digit 6 at column 8 ,
 remove this digit from positions R4C9**

5	4	8	6	2	17	9	17	3
1	2	67	9	3	57	4	8	56
9	67	3	1578	578	4	157	2	156
67	136789	1679	1578	4	157	2	13567	1569
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 19 of Solving this Sudoku]

5	4	8	6	2	17	9	17	3
1	2	67	9	3	57	4	8	56
9	67	3	1578	578	4	157	2	156
67	136789	1679	1578	4	157	2	13567	159
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row; Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox; Try InteractionBoxRow; Try InteractionBoxCol Try Subset3Row; Try Subset3Col; Try Subset3Box; Try Subsetposition3row; Try Subsetposition3col; Try SubsetPosition3Box; Try Subset4Row; Try Subset4Col; Try Subset4Box; Try SubsetPosition4Row; Try SubsetPosition4Col; Try SubsetPosition4Box; Try X-Wing(DoubleRowsOneDigitCheck); Try X-Wing(DoubleColsOneDigitCheck); Try TripleRowsOneDigitCheck; Try TripleColsOneDigitCheck; Try QuadrRowsOneDigitCheck; Try QuadrColsOneDigitCheck; Try XY-Wing(xywingRowBox); Try XY-Wing(xywingColBox); Try XY-Wing(xywingRowCol); Try XYZ-Wing(xyzwingRowBox); Try XYZ-Wing(xyzwingRowBox); Try ConflictElimination;

[Step 20 of Solving Sudoku]- Use ConflictElimination for square R1C6 with digit 7.
There is a conflict. So we can remove digit 7 from R1C6

5	4	8	6	2	17	9	17	3
1	2	67	9	3	57	4	8	56
9	67	3	1578	578	4	157	2	156
67	136789	1679	1578	4	157	2	13567	159
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 20 of Solving this Sudoku]

5	4	8	6	2	1	9	17	3
1	2	67	9	3	57	4	8	56
9	67	3	1578	578	4	157	2	156
67	136789	1679	1578	4	157	2	13567	159
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice;

[Step 21 of Solving this Sudoku] - Use OneChoice for square R1C6

5	4	8	6	2	1	9	17	3
1	2	67	9	3	57	4	8	56
9	67	3	1578	578	4	157	2	156
67	136789	1679	1578	4	157	2	13567	159
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 21 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	578	4	157	2	156
67	136789	1679	1578	4	57	2	13567	159
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice;

[Step 22 of Solving this Sudoku] - Use OneChoice for square R1C8

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	578	4	157	2	156
67	136789	1679	1578	4	57	2	13567	159
2	1678	167	3	578	9	1578	1567	4
4	13789	5	178	6	2	178	137	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 22 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	578	4	15	2	156
67	136789	1679	1578	4	57	2	1356	159
2	1678	167	3	578	9	1578	156	4
4	13789	5	178	6	2	178	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col;

[Step 23 of solving this Sudoku]- Use Subset2Col on squares {R3C7,R8C7}, and update candidate digits of squares R5C7 R6C7

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	578	4	15	2	156
67	136789	1679	1578	4	57	2	1356	159
2	1678	167	3	578	9	1578	156	4
4	13789	5	178	6	2	178	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 23 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	578	4	15	2	156
67	136789	1679	1578	4	57	2	1356	159
2	1678	167	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row; Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox; Try InteractionBoxRow; Try InteractionBoxCol Try Subset3Row; Try Subset3Col; Try Subset3Box; Try Subsetposition3row; Try Subsetposition3col; Try SubsetPosition3Box; Try Subset4Row; Try Subset4Col; Try Subset4Box; Try SubsetPosition4Row; Try SubsetPosition4Col; Try SubsetPosition4Box; Try X-Wing(DoubleRowsOneDigitCheck);

[Step 24 of solving this Sudoku]- Use doublerowsonedigitcheck for digit 5 at rows 5 9 , remove this digit from positions R3C5 R4C8 in columns {C5, C8}.

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	578	4	15	2	156
67	136789	1679	1578	4	57	2	1356	159
2	1678	167	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 24 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	78	4	15	2	156
67	136789	1679	1578	4	57	2	136	159
2	1678	167	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row; Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox; Try InteractionBoxRow; Try InteractionBoxCol Try Subset3Row; Try Subset3Col; Try Subset3Box; Try Subsetposition3row; Try Subsetposition3col; Try SubsetPosition3Box; Try Subset4Row; Try Subset4Col; Try Subset4Box; Try SubsetPosition4Row; Try SubsetPosition4Col; Try SubsetPosition4Box; Try X-Wing(DoubleRowsOneDigitCheck); Try X-Wing(DoubleColsOneDigitCheck); Try TripleRowsOneDigitCheck; Try TripleColsOneDigitCheck; Try QuadrRowsOneDigitCheck; Try QuadrColsOneDigitCheck; Try XY-Wing(xywingRowBox); Try XY-Wing(xywingColBox); Try XY-Wing(xywingRowCol); Try XYZ-Wing(xyzwingRowBox); Try XYZ-Wing(xyzwingRowBox); Try ConflictElimination;

[Step 25 of Solving Sudoku]- Use ConflictElimination for square R2C3 with digit 7.

There is a conflict. So we can remove digit 7 from R2C3

5	4	8	6	2	1	9	7	3
1	2	67	9	3	57	4	8	56
9	67	3	578	78	4	15	2	156
67	136789	1679	1578	4	57	2	136	159
2	1678	167	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 25 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	57	4	8	56
9	67	3	578	78	4	15	2	156
67	136789	1679	1578	4	57	2	136	159
2	1678	167	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice;

[Step 26 of Solving this Sudoku] - Use OneChoice for square R2C3

5	4	8	6	2	1	9	7	3
1	2	6	9	3	57	4	8	56
9	67	3	578	78	4	15	2	156
67	136789	1679	1578	4	57	2	136	159
2	1678	167	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 26 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	57	4	8	5
9	7	3	578	78	4	15	2	156
67	136789	179	1578	4	57	2	136	159
2	1678	17	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice;

[Step 27 of Solving this Sudoku] - Use OneChoice for square R2C9

5	4	8	6	2	1	9	7	3
1	2	6	9	3	57	4	8	5
9	7	3	578	78	4	15	2	156
67	136789	179	1578	4	57	2	136	159
2	1678	17	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 27 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	578	78	4	1	2	16
67	136789	179	1578	4	57	2	136	19
2	1678	17	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice;

[Step 28 of Solving this Sudoku] - Use OneChoice for square R2C6

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	578	78	4	1	2	16
67	136789	179	1578	4	57	2	136	19
2	1678	17	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 28 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	58	8	4	1	2	16
67	136789	179	1578	4	5	2	136	19
2	1678	17	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Try OneChoice;

[Step 29 of Solving this Sudoku] - Use OneChoice for square R3C2

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	58	8	4	1	2	16
67	136789	179	1578	4	5	2	136	19
2	1678	17	3	578	9	78	156	4
4	13789	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	167	2	57	9	3	15	4	8
3	179	179	4	57	8	6	15	2

Update Candidate Values during [Step 29 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	58	8	4	1	2	16
67	13689	179	1578	4	5	2	136	19
2	168	17	3	578	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	57	9	3	15	4	8
3	19	179	4	57	8	6	15	2

Try OneChoice;

[Step 30 of Solving this Sudoku] - Use OneChoice for square R3C5

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	58	8	4	1	2	16
67	13689	179	1578	4	5	2	136	19
2	168	17	3	578	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	57	9	3	15	4	8
3	19	179	4	57	8	6	15	2

Update Candidate Values during [Step 30 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	16
67	13689	179	1578	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	57	9	3	15	4	8
3	19	179	4	57	8	6	15	2

Try OneChoice;

[Step 31 of Solving this Sudoku] - Use OneChoice for square R3C4

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	16
67	13689	179	1578	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	57	9	3	15	4	8
3	19	179	4	57	8	6	15	2

Update Candidate Values during [Step 31 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	16
67	13689	179	178	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	15	4	8
3	19	179	4	57	8	6	15	2

Try OneChoice;

[Step 32 of Solving this Sudoku] - Use OneChoice for square R3C7

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	16
67	13689	179	178	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	15	4	8
3	19	179	4	57	8	6	15	2

Update Candidate Values during [Step 32 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	13689	179	178	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	179	4	57	8	6	15	2

Try OneChoice;

[Step 33 of Solving this Sudoku] - Use OneChoice for square R3C9

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	13689	179	178	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	179	4	57	8	6	15	2

Update Candidate Values during [Step 33 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	13689	179	178	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	179	4	57	8	6	15	2

Try OneChoice;

[Step 34 of Solving this Sudoku] - Use OneChoice for square R4C6

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	13689	179	178	4	5	2	136	19
2	168	17	3	57	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	179	4	57	8	6	15	2

Update Candidate Values during [Step 34 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
<i>67</i>	<i>13689</i>	<i>179</i>	<i>178</i>	4	5	2	<i>136</i>	<i>19</i>
2	<i>168</i>	<i>17</i>	3	<i>7</i>	9	<i>78</i>	<i>156</i>	4
4	<i>1389</i>	5	<i>178</i>	6	2	<i>78</i>	<i>13</i>	<i>19</i>
8	5	4	2	1	6	3	9	7
<i>67</i>	<i>16</i>	2	<i>7</i>	9	3	<i>5</i>	4	8
3	<i>19</i>	<i>179</i>	4	<i>57</i>	8	6	<i>15</i>	2

Try OneChoice;

[Step 35 of Solving this Sudoku] - Use OneChoice for square R5C5

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	13689	179	178	4	5	2	136	19
2	168	17	3	7	9	78	156	4
4	1389	5	178	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	179	4	57	8	6	15	2

Update Candidate Values during [Step 35 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
<i>67</i>	<i>13689</i>	<i>179</i>	<i>18</i>	4	5	2	<i>136</i>	<i>19</i>
2	<i>168</i>	<i>1</i>	3	7	9	<i>8</i>	<i>156</i>	4
4	<i>1389</i>	5	<i>18</i>	6	2	<i>78</i>	<i>13</i>	<i>19</i>
8	5	4	2	1	6	3	9	7
<i>67</i>	<i>16</i>	2	<i>7</i>	9	3	<i>5</i>	4	8
3	<i>19</i>	<i>179</i>	4	<i>5</i>	8	6	<i>15</i>	2

Try OneChoice;

[Step 36 of Solving this Sudoku] - Use OneChoice for square R5C3

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	13689	179	18	4	5	2	136	19
2	168	1	3	7	9	8	156	4
4	1389	5	18	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	179	4	5	8	6	15	2

Update Candidate Values during [Step 36 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
⁶⁷	³⁶⁸⁹	⁷⁹	¹⁸	4	5	2	¹³⁶	¹⁹
2	⁶⁸	1	3	7	9	⁸	⁵⁶	4
4	³⁸⁹	5	¹⁸	6	2	⁷⁸	¹³	¹⁹
8	5	4	2	1	6	3	9	7
⁶⁷	¹⁶	2	⁷	9	3	⁵	4	8
3	¹⁹	⁷⁹	4	⁵	8	6	¹⁵	2

Try OneChoice;

[Step 37 of Solving this Sudoku] - Use OneChoice for square R5C7

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	3689	79	18	4	5	2	136	19
2	68	1	3	7	9	8	56	4
4	389	5	18	6	2	78	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	79	4	5	8	6	15	2

Update Candidate Values during [Step 37 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
<i>67</i>	<i>3689</i>	<i>79</i>	<i>18</i>	4	5	2	<i>136</i>	<i>19</i>
2	<i>6</i>	1	3	7	9	8	<i>56</i>	4
4	<i>389</i>	5	<i>18</i>	6	2	<i>7</i>	<i>13</i>	<i>19</i>
8	5	4	2	1	6	3	9	7
<i>67</i>	<i>16</i>	2	<i>7</i>	9	3	<i>5</i>	4	8
3	<i>19</i>	<i>79</i>	4	<i>5</i>	8	6	<i>15</i>	2

Try OneChoice;

[Step 38 of Solving this Sudoku] - Use OneChoice for square R5C2

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
67	3689	79	18	4	5	2	136	19
2	6	1	3	7	9	8	56	4
4	389	5	18	6	2	7	13	19
8	5	4	2	1	6	3	9	7
67	16	2	7	9	3	5	4	8
3	19	79	4	5	8	6	15	2

Update Candidate Values during [Step 38 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	389	79	18	4	5	2	136	19
2	6	1	3	7	9	8	5	4
4	389	5	18	6	2	7	13	19
8	5	4	2	1	6	3	9	7
67	1	2	7	9	3	5	4	8
3	19	79	4	5	8	6	15	2

Try OneChoice;

[Step 39 of Solving this Sudoku] - Use OneChoice for square R4C1

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	389	79	18	4	5	2	136	19
2	6	1	3	7	9	8	5	4
4	389	5	18	6	2	7	13	19
8	5	4	2	1	6	3	9	7
67	1	2	7	9	3	5	4	8
3	19	79	4	5	8	6	15	2

Update Candidate Values during [Step 39 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	389	9	18	4	5	2	136	19
2	6	1	3	7	9	8	5	4
4	389	5	18	6	2	7	13	19
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	79	4	5	8	6	15	2

Try OneChoice;

[Step 40 of Solving this Sudoku] - Use OneChoice for square R4C3

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	389	9	18	4	5	2	136	19
2	6	1	3	7	9	8	5	4
4	389	5	18	6	2	7	13	19
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	79	4	5	8	6	15	2

Update Candidate Values during [Step 40 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	38	9	18	4	5	2	136	1
2	6	1	3	7	9	8	5	4
4	38	5	18	6	2	7	13	19
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Try OneChoice;

[Step 41 of Solving this Sudoku] - Use OneChoice for square R4C9

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	38	9	18	4	5	2	136	1
2	6	1	3	7	9	8	5	4
4	38	5	18	6	2	7	13	19
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Update Candidate Values during [Step 41 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	38	9	8	4	5	2	36	1
2	6	1	3	7	9	8	5	4
4	38	5	18	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Try OneChoice;

[Step 42 of Solving this Sudoku] - Use OneChoice for square R4C4

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	38	9	8	4	5	2	36	1
2	6	1	3	7	9	8	5	4
4	38	5	18	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Update Candidate Values during [Step 42 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	36	1
2	6	1	3	7	9	8	5	4
4	38	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Try OneChoice;

[Step 43 of Solving this Sudoku] - Use OneChoice for square R4C2

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	36	1
2	6	1	3	7	9	8	5	4
4	38	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Update Candidate Values during [Step 43 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Try OneChoice;

[Step 44 of Solving this Sudoku] - Use OneChoice for square R4C8

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Update Candidate Values during [Step 44 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Try OneChoice;

[Step 45 of Solving this Sudoku] - Use OneChoice for square R5C8

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	15	2

Update Candidate Values during [Step 45 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Try OneChoice;

[Step 46 of Solving this Sudoku] - Use OneChoice for square R6C2

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Update Candidate Values during [Step 46 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Try OneChoice;

[Step 47 of Solving this Sudoku] - Use OneChoice for square R6C4

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Update Candidate Values during [Step 47 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Try OneChoice;

[Step 48 of Solving this Sudoku] - Use OneChoice for square R6C7

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Update Candidate Values during [Step 48 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Try OneChoice;

[Step 49 of Solving this Sudoku] - Use OneChoice for square R6C8

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Update Candidate Values during [Step 49 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Try OneChoice;

[Step 50 of Solving this Sudoku] - Use OneChoice for square R6C9

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Update Candidate Values during [Step 50 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Try OneChoice;

[Step 51 of Solving this Sudoku] - Use OneChoice for square R8C1

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Update Candidate Values during [Step 51 of Solving this Sudoku]

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Try OneChoice;

[Step 52 of Solving this Sudoku] - Use OneChoice for square R8C2

5	4	8	6	2	1	9	7	3
1	2	6	9	3	7	4	8	5
9	7	3	5	8	4	1	2	6
7	3	9	8	4	5	2	6	1
2	6	1	3	7	9	8	5	4
4	8	5	1	6	2	7	3	9
8	5	4	2	1	6	3	9	7
6	1	2	7	9	3	5	4	8
3	19	7	4	5	8	6	1	2

Update Candidate Values during [Step 52 of Solving this Sudoku]

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

Try OneChoice;

[Step 53 of Solving this Sudoku] - Use OneChoice for square R8C4

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

Update Candidate Values during [Step 53 of Solving this Sudoku]

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

Try OneChoice;

[Step 54 of Solving this Sudoku] - Use OneChoice for square R8C7

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

Update Candidate Values during [Step 54 of Solving this Sudoku]

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

Try OneChoice;

[Step 55 of Solving this Sudoku] - Use OneChoice for square R9C2

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

Update Candidate Values during [Step 55 of Solving this Sudoku]

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

Try OneChoice;

[Step 56 of Solving this Sudoku] - Use OneChoice for square R9C3

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

Update Candidate Values during [Step 56 of Solving this Sudoku]

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

Try OneChoice;

[Step 57 of Solving this Sudoku] - Use OneChoice for square R9C5

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

Update Candidate Values during [Step 57 of Solving this Sudoku]

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

Try OneChoice;

[Step 58 of Solving this Sudoku] - Use OneChoice for square R9C8

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