

Solve Hard Sudoku on Sun, 3/25/2018

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

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 35 times.

Row-Elimination is used 10 times.

Subset2Row is used once.

Interaction-RowBox is used once.

Interaction-ColBox is used 4 times.

XY-Wing-RowBox is used once.

ConflictElimination is used 3 times.

53 empty squares. All Numbers Are Inferred.

Try OneChoice; Try Elimination;

[Step 1 of solving this Sudoku]- Use Row-Elimination for digit 7 at Row 6

78	1479	1489	1489	6	189	5	2	3
567	14579	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	146	9
258	6	24589	1348	2348	1238	1348	7	145
1	457	458	6	9	38	2	345	45
235	125	6	359	237	4	1379	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	3456	2456

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

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	146	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
235	125	6	359	237	4	1379	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	3456	2456

Try OneChoice; Try Elimination;

[Step 2 of solving this Sudoku]- Use Row-Elimination for digit 6 at Row 4

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	146	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
235	125	6	359	237	4	1379	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	3456	2456

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

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
235	125	6	359	237	4	1379	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	2456

Try OneChoice; Try Elimination;

[Step 3 of solving this Sudoku]- Use Box-Elimination for digit 6 at Box 9

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
235	125	6	359	237	4	1379	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	2456

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

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
235	125	6	359	237	4	1379	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	6

Try OneChoice; Try Elimination;

[Step 4 of solving this Sudoku]- Use Box-Elimination for digit 3 at Box 7

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
235	125	6	359	237	4	1379	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	6

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

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	179	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	6

Try OneChoice; Try Elimination;

[Step 5 of solving this Sudoku]- Use Row-Elimination for digit 6 at Row 2

78	149	1489	1489	6	189	5	2	3
567	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	179	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	6

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

78	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	179	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	6

Try OneChoice; Try Elimination;

[Step 6 of solving this Sudoku]- Use Row-Elimination for digit 7 at Row 2

78	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	1479	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	179	8	1257
4	125	125	3589	2378	6	1379	1359	1257
9	8	7	35	1	235	34	345	6

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

78	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	19	8	1257
4	125	125	3589	2378	6	139	1359	1257
9	8	7	35	1	235	34	345	6

Try OneChoice; Try Elimination;

[Step 7 of solving this Sudoku]- Use Box-Elimination for digit 7 at Box 1

78	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	19	8	1257
4	125	125	3589	2378	6	139	1359	1257
9	8	7	35	1	235	34	345	6

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

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	19	8	1257
4	125	125	3589	2378	6	139	1359	1257
9	8	7	35	1	235	34	345	6

Try OneChoice; Try Elimination;

[Step 8 of solving this Sudoku]- Use Row-Elimination for digit 2 at Row 9

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	1238	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	27	4	19	8	1257
4	125	125	3589	2378	6	139	1359	1257
9	8	7	35	1	235	34	345	6

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

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	7	4	19	8	1257
4	125	125	3589	378	6	139	1359	1257
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 9 of Solving this Sudoku] - Use OneChoice for square R7C5

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	7	4	19	8	1257
4	125	125	3589	378	6	139	1359	1257
9	8	7	35	1	2	34	345	6

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

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	7	4	19	8	125
4	125	125	3589	38	6	139	1359	1257
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination;

[Step 10 of solving this Sudoku]- Use Row-Elimination for digit 7 at Row 8

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	7	4	19	8	125
4	125	125	3589	38	6	139	1359	1257
9	8	7	35	1	2	34	345	6

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

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	7	4	19	8	125
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination;

[Step 11 of solving this Sudoku]- Use Box-Elimination for digit 2 at Box 9

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	125	6	59	7	4	19	8	125
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination;

[Step 12 of solving this Sudoku]- Use Box-Elimination for digit 2 at Box 5

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
258	6	24589	1348	2348	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	4589	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination;

[Step 13 of solving this Sudoku]- Use Row-Elimination for digit 9 at Row 5

7	149	1489	1489	6	189	5	2	3
6	1459	1459	2	34	1359	7	149	8
258	3	124589	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	4589	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	148	1489	6	189	5	2	3
6	1459	145	2	34	1359	7	149	8
258	3	12458	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row;
 Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox;
**[Step 14 of solving this Sudoku]- Use InteractionColBox for digit 4 at column 5 ,
 remove this digit from positions R1C4**

7	149	148	1489	6	189	5	2	3
6	1459	145	2	34	1359	7	149	8
258	3	12458	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	148	189	6	189	5	2	3
6	1459	145	2	34	1359	7	149	8
258	3	12458	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row;
 Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox;

[Step 15 of solving this Sudoku]- Use InteractionRowBox for digit 4 at row 1 , remove this digit from positions R2C2R2C3R3C3

7	149	148	189	6	189	5	2	3
6	1459	145	2	34	1359	7	149	8
258	3	12458	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	148	189	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row;
 Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox;
**[Step 16 of solving this Sudoku]- Use InteractionColBox for digit 5 at column 9 ,
 remove this digit from positions R6C8**

7	149	148	189	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	345	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	148	189	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row;
 Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox;
**[Step 17 of solving this Sudoku]- Use InteractionColBox for digit 9 at column 6 ,
 remove this digit from positions R1C4**

7	149	148	189	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

Try OneChoice; Try Elimination; Try Subset2Row; Try Subset2col; Try Subset2Box; Try SubsetPosition2row;
 Try Subsetposition2col; Try SubsetPosition2Box; Try InteractionRowBox; Try InteractionColBox;
**[Step 18 of solving this Sudoku]- Use InteractionColBox for digit 9 at column 7 ,
 remove this digit from positions R8C8**

7	149	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	1359	7
9	8	7	35	1	2	34	345	6

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

7	149	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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);

[Step 19 of solving this Sudoku]- Use XY-Wing-RowBox for R3C5 R3C9 R1C4 , remove digit 1 from positions R3C6 .

7	149	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	1589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	149	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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 R1C2 with digit 1. There is a conflict. So we can remove digit 1 from R1C2

7	149	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	49	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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 21 of Solving Sudoku]- Use ConflictElimination for square R1C2 with digit 9.

There is a conflict. So we can remove digit 9 from R1C2

7	49	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 22 of Solving this Sudoku] - Use OneChoice for square R1C2

7	4	148	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	24	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	2	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 23 of Solving this Sudoku] - Use OneChoice for square R4C2

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
28	2	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	125	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
8	2	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 24 of Solving this Sudoku] - Use OneChoice for square R4C1

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
258	3	1258	7	48	589	6	149	14
8	2	3	148	5	7	148	6	9
58	6	9	1348	2	138	1348	7	145
1	7	458	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
25	3	1258	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	145
1	7	45	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 25 of Solving this Sudoku] - Use OneChoice for square R5C1

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
25	3	1258	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	145
1	7	45	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	1258	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	14
1	7	4	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 26 of Solving this Sudoku] - Use OneChoice for square R3C1

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	1258	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	14
1	7	4	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	14
1	7	4	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 27 of Solving this Sudoku] - Use OneChoice for square R6C3

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	14
1	7	4	6	9	38	2	34	45
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	14
1	7	4	6	9	38	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

Try OneChoice;

[Step 28 of Solving this Sudoku] - Use OneChoice for square R6C8

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	1348	7	14
1	7	4	6	9	38	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	135	7
9	8	7	35	1	2	34	345	6

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

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 29 of Solving this Sudoku] - Use OneChoice for square R6C6

7	4	18	18	6	189	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	589	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	1348	2	138	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 30 of Solving this Sudoku] - Use OneChoice for square R6C9

7	4	18	18	6	19	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice; Try Elimination;

[Step 31 of solving this Sudoku]- Use Row-Elimination for digit 2 at Row 8

7	4	18	18	6	19	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	125	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice; Try Elimination;

[Step 32 of solving this Sudoku]- Use Box-Elimination for digit 9 at Box 1

7	4	18	18	6	19	5	2	3
6	159	15	2	34	1359	7	149	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	9	15	2	34	135	7	14	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice; Try Elimination;

[Step 33 of solving this Sudoku]- Use Box-Elimination for digit 9 at Box 3

7	4	18	18	6	19	5	2	3
6	9	15	2	34	135	7	14	8
2	3	158	7	48	59	6	149	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	9	15	2	34	135	7	14	8
2	3	158	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 34 of Solving this Sudoku] - Use OneChoice for square R3C6

7	4	18	18	6	19	5	2	3
6	9	15	2	34	135	7	14	8
2	3	158	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	9	15	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice; Try Elimination;

[Step 35 of solving this Sudoku]- Use Row-Elimination for digit 5 at Row 2

7	4	18	18	6	19	5	2	3
6	9	15	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice; Try Elimination;

[Step 36 of solving this Sudoku]- Use Column-Elimination for digit 8 at Column 7

7	4	18	18	6	19	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	148	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	19	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice; Try Elimination;

[Step 37 of solving this Sudoku]- Use Row-Elimination for digit 9 at Row 1

7	4	18	18	6	19	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice; Try Elimination; Try Subset2Row;

[Step 38 of solving this Sudoku]- Use Subset2Row on squares {R8C2,R8C8}, and update candidate digits of squares R8C4 R8C7

7	4	18	18	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	3589	38	6	139	15	7
9	8	7	35	1	2	34	45	6

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

7	4	18	18	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	389	38	6	39	15	7
9	8	7	35	1	2	34	45	6

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 39 of Solving Sudoku]- Use ConflictElimination for square R1C3 with digit 8.

There is a conflict. So we can remove digit 8 from R1C3

7	4	18	18	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	389	38	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	18	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	389	38	6	39	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 40 of Solving this Sudoku] - Use OneChoice for square R1C3

7	4	1	18	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	18	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	389	38	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	8	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	389	38	6	39	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 41 of Solving this Sudoku] - Use OneChoice for square R1C4

7	4	1	8	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	8	7	48	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	389	38	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	8	7	4	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	38	6	39	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 42 of Solving this Sudoku] - Use OneChoice for square R3C3

7	4	1	8	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	8	7	4	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	38	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	8	7	4	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	38	6	39	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 43 of Solving this Sudoku] - Use OneChoice for square R3C5

7	4	1	8	6	9	5	2	3
6	9	5	2	34	13	7	14	8
2	3	8	7	4	5	6	9	14
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	38	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	13	7	14	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	38	6	39	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 44 of Solving this Sudoku] - Use OneChoice for square R2C5

7	4	1	8	6	9	5	2	3
6	9	5	2	3	13	7	14	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	38	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	14	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 45 of Solving this Sudoku] - Use OneChoice for square R2C6

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	14	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	13	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	3	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	45	6

Try OneChoice;

[Step 46 of Solving this Sudoku] - Use OneChoice for square R2C8

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	3	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	45	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	3	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 47 of Solving this Sudoku] - Use OneChoice for square R3C9

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	3	8	7	14
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 48 of Solving this Sudoku] - Use OneChoice for square R5C6

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	134	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	14	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 49 of Solving this Sudoku] - Use OneChoice for square R5C9

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	14	6	9
5	6	9	14	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 50 of Solving this Sudoku] - Use OneChoice for square R4C7

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	14	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	19	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	9	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 51 of Solving this Sudoku] - Use OneChoice for square R4C4

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	9	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	9	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 52 of Solving this Sudoku] - Use OneChoice for square R5C4

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	9	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	9	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 53 of Solving this Sudoku] - Use OneChoice for square R7C7

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	59	7	4	9	8	2
4	15	2	39	8	6	39	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	5	7	4	9	8	2
4	15	2	39	8	6	3	15	7
9	8	7	35	1	2	34	5	6

Try OneChoice;

[Step 54 of Solving this Sudoku] - Use OneChoice for square R7C4

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	15	6	5	7	4	9	8	2
4	15	2	39	8	6	3	15	7
9	8	7	35	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	1	6	5	7	4	9	8	2
4	15	2	39	8	6	3	15	7
9	8	7	3	1	2	34	5	6

Try OneChoice;

[Step 55 of Solving this Sudoku] - Use OneChoice for square R7C2

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	1	6	5	7	4	9	8	2
4	15	2	39	8	6	3	15	7
9	8	7	3	1	2	34	5	6

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

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	1	6	5	7	4	9	8	2
4	5	2	39	8	6	3	15	7
9	8	7	3	1	2	34	5	6

Try OneChoice;

[Step 56 of Solving this Sudoku] - Use OneChoice for square R8C2

7	4	1	8	6	9	5	2	3
6	9	5	2	3	1	7	4	8
2	3	8	7	4	5	6	9	1
8	2	3	4	5	7	1	6	9
5	6	9	1	2	3	8	7	4
1	7	4	6	9	8	2	3	5
3	1	6	5	7	4	9	8	2
4	5	2	39	8	6	3	15	7
9	8	7	3	1	2	34	5	6

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

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

Try OneChoice;

[Step 57 of Solving this Sudoku] - Use OneChoice for square R8C5

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

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

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

Try OneChoice;

[Step 58 of Solving this Sudoku] - Use OneChoice for square R8C7

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

Update Candidate Values during [Step 58 of Solving this Sudoku]

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

Try OneChoice;

[Step 59 of Solving this Sudoku] - Use OneChoice for square R8C4

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

Update Candidate Values during [Step 59 of Solving this Sudoku]

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

Try OneChoice;

[Step 60 of Solving this Sudoku] - Use OneChoice for square R8C8

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

Update Candidate Values during [Step 60 of Solving this Sudoku]

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

Try OneChoice;

[Step 61 of Solving this Sudoku] - Use OneChoice for square R9C4

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

Update Candidate Values during [Step 61 of Solving this Sudoku]

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

Try OneChoice;

[Step 62 of Solving this Sudoku] - Use OneChoice for square R9C7

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

Update Candidate Values during [Step 62 of Solving this Sudoku]

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

Try OneChoice;

[Step 63 of Solving this Sudoku] - Use OneChoice for square R9C8

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