

Special

Special patterns that help you finding the solution:

- The tube
- The mirror
- The magnifyer
- The manifold
- Four-in-hand
- Three empty cells
- Four empty cells
- Hidden talent

The tube

Three empty cell in line function a a triple spotlight, in this exmample for 1, 2 and 7. That results immediatley in sudoku for the marked cell... which one?

3

5

2

9

9
5
4

1

8
7

←
←
←

9
8
3

4
5
6

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The mirror

A double tube can function as a mirror for a spotlight. That results in sudoku (3) for the marked cell.

5
6
8

←
←
←

→
→
→

!
9
2

6

1
5

7

5

3

2

6

8

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[The magnifyer](#)

[A double tube can also broaden the beam of a spotlight...](#)

!
9
2

6

1
5

5
6
8

[←](#)

←
←

←
←
←

7

5

3

2

6

8

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The manifold

When tubes cross, they function as a manifold: they divide a spotlight into thee beams.

3

8
↑
2

→
→
→

5
↓
7

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Four-in-hand

When two identical duo's are in line (in this case 3), they control the area in between. That is why the marked cells also get a duo (3).

9

2

3

3

4

7

8

2

1

4

3
2

7
3

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Three empty cells

Look for three empty cells in a row, a column or a ninesome. Take a row as an example:

7

7

2

9

1
2
5

4
7

3
9

4

3

4

6
7

9

6
9
7

4
2

5
3

3

9
7
1

5

7

4

In this row the candidates 1, 5 and 8 still must find a place. Two of these (1 en 5) can possibly be placed in exactly two cells (like two duo's). Therefore, the remaining 8 must belong in the other cell!

1

5

3

9

4

3

4

1

5

6

7

9

6

9

7

8

4

2

5

3

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Four empty cells

Look for four empty cells in a row, a column or a ninesome. Take a row as an example:

3

8
5

2
9

9
5
4

1

8

8

9

5
6

In this row the candidates 1, 3, 4 and 7 still must find a place. Two of these (1 en 4) can possibly be placed in exactly two cells (like two duo's). Therefore, the remaining 3 and 7 must belong in the other two cells!

3

8
52
9
1
49
5
4

1

3

7
8
3
7

8

9

1

4
5
6

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Hidden talent

Combining rows and columns. Look for a cell in which only one candidate can be put: look for hidden talents on the crossroads of a crowded row and a crowded column. In the example, 6 is the only candidate in row and column. Just try all other candidates for this cell...

3
7

2

5
!

1
2

4
6

9
7
3

9
6

8

2
4
3

7
5

7
6
5

1
2

4
3

6
4
3

5
2
7

1

7

2
5

3
9

6
8

6

4

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