# Solution for: easy

7 8 4 | 9 3 2 | 1 5 6

6 1 9 | 4 8 5 | 3 2 7

2 3 5 | 1 7 6 | 4 8 9

------+-------+------

5 7 8 | 2 6 1 | 9 3 4

3 4 1 | 8 9 7 | 5 6 2

9 2 6 | 5 4 3 | 8 7 1

------+-------+------

4 5 3 | 7 2 9 | 6 1 8

8 6 2 | 3 1 4 | 7 9 5

1 9 7 | 6 5 8 | 2 4 3

Backtracks done: 1

Backtracks failed: 0

Here we see only one backtrack done, as there is always numbers to fill in

# Solution for: medium

8 7 5 | 9 3 6 | 1 4 2

1 6 9 | 7 2 4 | 3 8 5

2 4 3 | 8 5 1 | 6 7 9

------+-------+------

4 5 2 | 6 9 7 | 8 3 1

9 8 6 | 4 1 3 | 2 5 7

7 3 1 | 5 8 2 | 9 6 4

------+-------+------

5 1 7 | 3 6 9 | 4 2 8

6 2 8 | 1 4 5 | 7 9 3

3 9 4 | 2 7 8 | 5 1 6

Backtracks done: 2

Backtracks failed: 0

Here we had to guess once, but it guessed correctly

# Solution for: hard

1 5 2 | 3 4 6 | 8 9 7

4 3 7 | 1 8 9 | 6 5 2

6 8 9 | 5 7 2 | 3 1 4

------+-------+------

8 2 1 | 6 3 7 | 9 4 5

5 4 3 | 8 9 1 | 7 2 6

9 7 6 | 4 2 5 | 1 8 3

------+-------+------

7 9 8 | 2 5 3 | 4 6 1

3 6 5 | 9 1 4 | 2 7 8

2 1 4 | 7 6 8 | 5 3 9

Backtracks done: 10

Backtracks failed: 5

Here it had to guess several times, whereas it failed 5 of them

# Solution for: veryhard

4 3 1 | 8 6 7 | 9 2 5

6 5 2 | 4 9 1 | 3 8 7

8 9 7 | 5 3 2 | 1 6 4

------+-------+------

3 8 4 | 9 7 6 | 5 1 2

5 1 9 | 2 8 4 | 7 3 6

2 7 6 | 3 1 5 | 8 4 9

------+-------+------

9 4 3 | 7 2 8 | 6 5 1

7 6 5 | 1 4 3 | 2 9 8

1 2 8 | 6 5 9 | 4 7 3

Backtracks done: 106

Backtracks failed: 93

Here it did loads of backtracks and failed and equally enormous amount of times.This is due to it being forced to guess wildley