## Blocked Maze

https://www.geeksforgeeks.org/problems/rat-in-a-maze-problem/1

	0	1	2	3
0	TOLR	X	+BCK	TOUR
1	TOUR.	TOUK Hark	Fore	TOIR
2	TOUR MANL	X		tore
3	TDIR	TOUR Mark	X	•

4 options: 4 Rec calls Mark calls to avoid infinite Recursion in sited bookens onray DRRTRDDD

To get all 3 onswers: Undo

## Sudoku Solves

https://leetcode.com/problems/sudoku-solver/

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

for each empty cell: 9 options 1-9 Check if it is sofe to place the no. cach column 3x3 grid

> By keeping 12489 in previous cells, now there is no option less for current cell. So goback and change the previous numbers.

but no other no after 9 is possible. So, go further back.

1248

Schange it to 9

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

can be placed at \_. Hence,
there is some problem widls
previous arrangement. So, go back.

12 4 9

1 no other no. ofter 9

is possible. So, change it 0

and go back.

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

unang it to 5: but 5 is in same column.

change it to 6.

Keep on doing this till the entire grid is filled.