

## 36. Valid Sudoku

Determine if a 9x9 Sudoku board is valid. Only the filled cells need to be validated according to the following rules:

- 1. Each row must contain the digits 1-9 without repetition.
- 2. Each column must contain the digits 1-9 without repetition.
- 3. Each of the 9 3x3 sub-boxes of the grid must contain the digits 1-9 without repetition.

5	3			7				
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

A partially filled sudoku which is valid.

The Sudoku board could be partially filled, where empty cells are filled with the character '.'.

## Example 1:

```
Input:
[
    ["5","3",".",".","7",".",".","."],
    ["6",".",".","1","9","5",".","."],
    [".","9","8",".",".",".",".","6","."],
```

