Valid Sudoku

Medium

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","."],
["8",".",".","8",".","3",".","1"],
["7",".",".",".","2",".",".","6"],
[".","6",".",".",".","2","8","."],
[".",".",".","4","1","9",".","5"],
[".",".",".",".","8",".","7","9"]
]
Output: true
```

Example 2:

```
Input:
[
 ["8","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"]
]
Output: false
Explanation: Same as Example 1, except with the 5 in the top left corner being
   modified to 8. Since there are two 8's in the top left 3x3 sub-box, it is
invalid.
```

Note:

- A Sudoku board (partially filled) could be valid but is not necessarily solvable.
- Only the filled cells need to be validated according to the mentioned rules.
- The given board contain only digits 1-9 and the character '.'.
- The given board size is always 9x9.