# Valid Sudoku - brute force

```python
class Solution:
    def is_valid_sudoku(self, board: list[list[str]]) -> bool:

        for row in range(9):
            seen = set()
            for i in range(9):
                if board[row][i] == ".":
                    continue
                if board[row][i] in seen:
                    return False
                seen.add(board[row][i])

        for col in range(9):
            seen = set()
            for i in range(9):
                if board[i][col] == ".":
                    continue
                if board[i][col] in seen:
                    return False
```

```python
            seen.add(board[i][col])

    for square in range(9):
        seen = set()
        for i in range(3):
            row = (square // 3) * 3 + i
            col = (square % 3) * 3 + j
            if board[row][col] == ".":
                continue
            if board[row][col] in seen:
                return False
            seen.add(board[row][col])

    return True
```