

20. Valid Parentheses

Given a string `s` containing just the characters `'('`, `')'`, `'{'`, `'}'`, `'['` and `']'`, determine if the input string is valid.

An input string is valid if:

1. Open brackets must be closed by the same type of brackets.
2. Open brackets must be closed in the correct order.

Example 1:

Input: `s = "()"`

Output: `true`

Example 2:

Input: `s = "()[]{}"`

Output: `true`

Example 3:

Input: `s = "["`

Output: `false`

Example 4:

Input: `s = "([)]"`

Output: `false`

Example 5:

Input: `s = "{}"`

Output: `true`

```
def isValid(self, s: str) -> bool:
    stack = []
    for bra in s:
        if bra in {'(', '[', '{':
            stack.append(bra)
        else:
            if len(stack) != 0 and stack[-1] == '(' and bra == ')':
                stack.pop()
```

```
        elif len(stack) != 0 and stack[-1] == '[' and bra == ']':  
            stack.pop()  
        elif len(stack) != 0 and stack[-1] == '{' and bra == '}':  
            stack.pop()  
        else:  
            return False  
    return len(stack) == 0
```