

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.
3. Every close bracket has a corresponding open bracket of the same type.

Example 1:

Input: *s* = "()"

Output: true

Example 2:

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

Output: true

Example 3:

Input: *s* = "[]"

Output: false

Constraints:

- $1 \leq s.length \leq 10^4$
- *s* consists of parentheses only '()[]{}'.