

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

- Open brackets must be closed by the same type of brackets.
- Open brackets must be closed in the correct order.
- Every close bracket has a corresponding open bracket of the same type.

Input will consist of one string.

Output the answer.

Input	Output	Explanation
()	true	
(){}	true	
(){}	false	