

January 2023 CSE 106

Online: Stack

Time: 25 minutes

Subsections B1 & B2

Given a string with brackets. If the start index of the open bracket is given, find the index of the closing bracket.

Input

Take a string s as input. In the next line, take the index of the open bracket.

Output

Print the index of the closing bracket.

See the Sample I/O for further clarification.

Sample I/O

Input	Output
[ABC[23]][[89] 0	8 [The opening bracket at index 0 corresponds to closing bracket at index 8.]
[ABC[23]][[89] 4	7
[ABC[23]][[89] 9	12
[ABC[23]][[89] 1	-1 [No Matching Bracket]

Marks Distribution

Approach	Marks
Print the index of the closing bracket	70%
Implement using Stack	100%

Please note that any usage of the internet is strictly prohibited during the assignment. Usage of any unfair means will be duly punished.