00 Hr **35** Min **09** Sec

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ONLINE EDITOR (A)

String Rotation

— Problem Description

Rotate a given String in specified direction by specified magnitude.

After each rotation make a note of first character of the rotated String, After all rotation are performed the accumulated first character as noted previously will form another string, say **FIRSTCHARSTRING**.

Check If **FIRSTCHARSTRING** is an Anagram of any substring of the Original string.

If yes print "YES" otherwise "NO".

— Constraints

1 <= Length of original string <= 30

1<= q <= 10

— Input Format

The first line contains the original string s. The second line contains a single integer q. The ith of the next q lines contains character d[i] denoting direction and integer r[i] denoting the magnitude.

— Output

YES or NO

— Test Case

— Explanation

Example 1

Input

carrace 3 L 2 R 2 L 3

Output

NO

Explanation After applying all the rotations the **FIRSTCHARSTRING** string will be "rcr" which is not anagram of any sub string of original string "carrace".

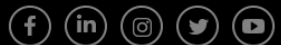## Upload Solution [Question : A]

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