

[All Contests](#) > [APL-2017-L9-2](#) > Rabin-Karp String Matching

# Rabin-Karp String Matching

locked

by [pmani\\_naga\\_123](#)

Problem

Submissions

Leaderboard

Discussions

You are given with two strings first one is called text and second one is called pattern. You need to search for pattern string in the given text string. if you find it print YES or else print NO.  
Note :You should implement Rabin-Karp algorithm.

## Input Format

First line contains an integer T denoting number of test cases. Each subsequent 2T lines contains text string and pattern string.

## Constraints

1 <= T <= 1000  
1 <= Text, Pattern String length <= 10<sup>5</sup>  
all chareacters in the string are lower case alphabets

## Output Format

If pattren string is found in Text string print YES in new line otherwise print NO.  
Note : every test case output should be printed in new line.

## Sample Input 0

```
5
jayalalsirmeghanamadam
irme
manirajasubhasis
bcdff
yaswanthsaisarathchandra
isarat
maheshpooja
pool
welcometoharsha
toha
```

## Sample Output 0

```
YES
NO
YES
NO
YES
```

## Explanation 0

Test Case #01: "irme" is present at the 8th index.

Test Case #02: "bcdff" is not present in the text string

Test Case #03: "isarat" is present at index 10.

Test Case #04: "pool" is not present in the text string.

Test Case #05: "toha" is present at 7th index.

f t in

Submissions: 64

Max Score: 100

Difficulty: Medium

Rate This Challenge:

☆☆☆☆☆

[More](#)

Current Buffer (saved locally, editable) 🔗 ↺ C++

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

 [Upload Code as File](#)

☐ Test against custom input

Run Code

Submit Code

[Contest Calendar](#) | [Interview Prep](#) | [Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Request a Feature](#)