

PRODUCT COMPANIES PROGRAMS - SET 002Solved Challenges **5/10**[Back To Challenges List](#)**S1 Contains S2****ID:7532 Solved By 455 Users**

Given two string values **S1** and **S2**, the program must print **YES** if the characters of S2 occurs in the same order of occurrence in the string value S1. (The characters of S2 need not to be continuous but maintain their relative order). Else the program must print **NO**.

Boundary Condition(s):

1 <= Length of S1, S2 <= 10⁷

Input Format:

The first line contains the string S1.

The second line contains the string S2.

Output Format:

The first line contains either YES or NO.

Example Input/Output 1:

Input:

superkoolfillerandcopperkit
skillrack

Output:

YES

Explanation:

skillrack is present in the same order of occurrence in S1 in the following positions. Hence the output is YES.

s-1 k-6 i-11 l-12 l-13 r-15 a-16 c-19 k-25

Example Input/Output 2:

Input:

germanactor
men

Output:

NO

Max Execution Time Limit: 2000 millisecs[Ambiance](#)

**Reset**

```
1 S1 = input()
2 S2 = input()
3
4 ptr=0
5 count = 0
6 for index in range(len(S1)):
7     if(S1[index]==S2[ptr]):
8         count+=1
9         ptr+=1
10    if(count==len(S2)):
11        print("YES")
12        exit()
13
14
15 print("NO")
```

Code did not pass the execution**TestCase ID: 31159****Input:**

**superkoolfillerandcopperkit
skillrack**

Expected Output:

YES

Your Program Output:

**0 0
5 1
10 2
11 3
12 4
14 5
15 6**

18 7
24 8
YES

Save

Run

☐ Run with a custom test case (Input/Output)