All Domains > Algorithms > Implementation > Append and Delete

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Append and Delete 🔖

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You have a string, s, of lowercase English alphabetic letters. You can perform two types of operations on s:

1. *Append* a lowercase English alphabetic letter to the end of the string.

2. *Delete* the last character in the string. Performing this operation on an empty string results in an empty string.

Given an integer, k, and two strings, s and t, determine whether or not you can convert s to t by performing *exactly* k of the above operations on s. If it's possible, print `Yes`; otherwise, print `No`.

Input Format

The first line contains a string, s, denoting the initial string.
The second line contains a string, t, denoting the desired final string. The third line contains an integer, k, denoting the desired number of operations.

Constraints

- $1 \le |s| \le 100$

- $1 \le |t| \le 100$

- $1 \le k \le 100$

- s and t consist of lowercase English alphabetic letters.

Output Format

Print `Yes` if you can obtain string t by performing exactly k operations on s; otherwise, print `No`.

Sample Input 0

```
hackerhappy
hackerrank
9
```

Sample Output 0

```
Yes
```

Explanation 0

We perform 5 delete operations to reduce string s to `hacker`. Next, we perform 4 append operations (i.e., `r`, `a`, `n`, and `k`), to get `hackerrank`. Because we were able to convert s to t by performing exactly $k = 9$ operations, we print `Yes`.

Sample Input 1

```
aba
aba
7
```

Sample Output 1

```
Yes
```

Explanation 1

We perform 4 delete operations to reduce string s to the empty string (recall that, though the string will be empty after 3 deletions, we can still

We perform **1** delete operations to reduce string **s** to the empty string (recall that, though the string will be empty after **s** deletions, we can still perform a delete operation on an empty string to get the empty string). Next, we perform **3** append operations (i.e., a , b , and a). Because we were able to convert **s** to **t** by performing exactly $k = 7$ operations, we print Yes .

Current Buffer (saved locally, editable)   ⑂ ↻   C# ⌄   ⤢ ⚙

```csharp
1   using System;
2   using System.Collections.Generic;
3   using System.IO;
4   using System.Linq;
5 ▾ class Solution {
6
7 ▾      static void Main(String[] args) {
8
9
10          string s = Console.ReadLine();
11          string t = Console.ReadLine();
12          int k = int.Parse(Console.ReadLine());
13
14
15          int i;
16          for (i = 0; i < Math.Min(s.Length, t.Length) && s[i] == t[i]; i++)
17          { };
18
19          int borrados = s.Length - i;
20          int agregados = t.Length - i;
21          //Console.WriteLine(borrados);
22          //Console.WriteLine(agregados);
23
24          if (borrados + agregados > k)
25 ▾        {
26              Console.WriteLine("No");
27          }
28          else if (borrados + agregados == k)
29 ▾        {
30              Console.WriteLine("Yes");
31          }
32          else if (borrados + agregados < k)
33 ▾        {
34              if (s.Length + t.Length < k)
35 ▾            {
36                  Console.WriteLine("Yes");
37              }
38              else
39 ▾            {
40                  int hay_que_agregar = t.Length - i;
41                  int agregar = k - borrados;
42                  if ((agregar % 2 == 0 && hay_que_agregar % 2 == 0)
43                      || (agregar % 2 != 0 && hay_que_agregar % 2 != 0))
44 ▾                {
45                      Console.WriteLine("Yes");
46                  }
47                  else
48 ▾                {
49                      Console.WriteLine("No");
50                  }
51
52              }
53
54
55          }
56
57
58      }
59 }
60
```

Line: 21 Col: 25

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

Congrats, you solved this challenge!

✔ Test Case #0	✔ Test Case #1	✔ Test Case #2
✔ Test Case #3	✔ Test Case #4	✔ Test Case #5
✔ Test Case #6	✔ Test Case #7	✔ Test Case #8
✔ Test Case #9	✔ Test Case #10	✔ Test Case #11
✔ Test Case #12		

Next Challenge

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