Assignment 4

Problem 1: -

Given a time in -hour AM/PM format, convert it to military (24-hour) time.

Note:

- 12:00:00AM on a 12-hour clock is 00:00:00 on a 24-hour clock.

- 12:00:00PM on a 12-hour clock is 12:00:00 on a 24-hour clock.

Example

input = '12:01:00PM'

output = '12:01:00'

input = '12:01:00AM'

output = '00:01:00'.

Input - string s: a time in an hour format

Output - string: the time in an hour format

Test Case 1:-

Input - 07:05:45PM

Output - 19:05:45

Problem 2: -

You have two strings of lowercase English letters. You can perform two types of operations on the first string:

Append a lowercase English letter to the end of the string.

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

Given an integer and two strings, determine whether or not you can convert to by performing exactly of the above operations on . If it's possible, print "Yes". Otherwise, print "NO"

Function Description

It should return a string, either Yes or No.

Function has the following parameter(s):

string s: the initial string

string t: the desired string

int k: the exact number of operations that must be performed

Returns string: either Yes or No

TEST CASE 1

Sample Input - aba, aba, 7

Output - Yes

We perform 4 delete operations to reduce string to the empty string. Recall that though the string will be empty after 3 deletions, we can still perform a delete operation on an empty string to get the empty string. Next, we perform append operations (i.e., a, b, and a). Because we were able to convert s to t by performing exactly k = 7 operations, we return Yes.

TEST CASE 2

Input - ashley, ash, 2

Output - No

To convert ashley to ash a minimum of 3 steps are needed. Hence, we print No as answer.

Note: Submission steps will be same as Mentioned in your WhatsApp Group.