

Minimum number of deletions and insertions

Given two strings **str1** and **str2**. The task is to remove or insert the minimum number of characters from/in **str1** so as to transform it into **str2**. It could be possible that the same character needs to be removed/deleted from one point of str1 and inserted to some another point.

Example 1:

Input: str1 = "heap", str2 = "pea"

Output: 3

Explanation: 2 deletions and 1 insertion

p and **h** deleted from **heap**. Then, **p** is inserted at the beginning One thing to note, though **p** was required yet it was removed/deleted first from its position and then it is inserted to some other position. Thus, **p** contributes one to the **deletion_count** and one to the **insertion_count**.

Example 2:

Input : str1 = "geeksforgeeks"

str2 = "geeks"

Output: 8

Explanation: 8 deletions

Your Task:

You don't need to read or print anything. Your task is to complete the function **minOperations()** which takes both strings as input parameter and returns the minimum number of operation required.

Expected Time Complexity: $O(|str1|*|str2|)$

Expected Space Complexity: $O(|str1|*|str2|)$

Constraints:

$1 \leq |str1|, |str2| \leq 1000$

All the characters are lower case English alphabets