Tabs vs. Spaces

Richard Hendricks is a developer who is highly opinionated about code styling. A particular pet peeve of his is when people use spaces instead of tabs for code indentation.

In an attempt to annoy Richard, his friends Dinesh and Gilfoyle have tampered with his code by replacing some of the tabs with double spaces. Now Richard needs your help putting his code back together.

Given two strings A and B each containing a set of tabs (T) and spaces (S), figure out if the string B can be formed by replacing any two adjacent spaces (SS) in A with a tab (T).

Input Format

The first line is an integer N representing the number of test cases. Each subsequent line is a testcase containing the two strings A and B separated by a space.

Constraints

$1 \leq T \leq 10$

$1 \leq len(A) \leq 10^7$

$1 \leq len(B) \leq 10^7$

where $len(x)$ refers to the length of the string x.

Output Format

For each test case, output "True" if it is possible to derive B from A, and "False" if it is not.

Sample Input 0

```
4
STSST STTT
SSSSSSSS STSSTS
SS SSS
TTT TTT
```

Sample Output 0

```
True
True
False
True
```

Explanation 0

Test Case 1: Converting the SS pair at index 2 to a T in string A will give the expected string B, so True.

Test Case 2: Converting two SS pairs at indices 1 and 5 in string A will give the expected string B, so True.

Test Case 3: Cannot convert string A to string B, so False.

Test Case 4: String A and string B are already the same, so True.