**Problem:**

Korg and Valkyrie are talking with one another. Korg says a number N followed by N English lower-case alphabets. Then Valkyrie says a number M followed by M English lower-case alphabets.

Your job is to find the length of longest common sequence.

Note: Longest common sequence is defined as the longest subsequence that is common to all the given sequences, provided that the elements of the subsequence are not required to occupy consecutive positions within the original sequences. It must be a strictly increasing sequence.

**Input:**

The first line contains a single integer T – the number of test cases. Then the test cases follow.

The first line of each test case contains N followed by N English lower-case alphabets and the second line contains M followed by M English lower-case alphabets.

**Output:**

Print a single line of output for each test case containing the length of longest common sequence.

**Constraints:**

1 ≤ T, N, M ≤ 100

**Example 1:**

The longest common sequence is “cdac”. So, the length is 4.

**Example 1:**

The longest common sequence is “adh”. So, the length is 3.