Problem Link:

<https://codeforces.com/problemset/problem/1989/B>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* string a, b;
* cin >> a >> b;
* **int** n = a.size(), m = b.size();
* **vector**<**vector<int>**> dp(n + 1, **vector<int>**(m + 1, 0));
* **for**(**int** i = 0; i < n; ++i)
* {
* **for**(**int** j = 0; j < m; ++j)
* {
* **if**(a[i] == b[j])
* dp[i + 1][j + 1] = dp[i][j] + 1;
* **else**
* dp[i + 1][j + 1] = max(dp[i + 1][j], dp[i][j + 1]);
* }
* }
* **int** l = dp[n][m];
* **int** s = n + m - l;
* cout << s << **"\n"**;
* }
* **return** 0;
* }