Problem N. Edit distance

Time limit	15000 ms
Mem limit	1572864 kB
Code length Limit	50000 B
OS	Linux

You are given two strings, A and B. Answer, what is the smallest number of operations you need to

transform A to B?

Operations are:

1. Delete one letter from one of strings
2. Insert one letter into one of strings
3. Replace one of letters from one of strings with another letter

Input

T - number of test cases

For each test case:

- String A
- String B

Both strings will contain only uppercase characters and they won't be longer than 2000 characters.

There will be 10 test cases in data set.

Output

For each test case, one line, minimum number of operations.

Example

```
Input:
1
FOOD
MONEY
```

Output:

4