

# Edit distance

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
```