

## 1478 - Basic Edit Distance

### Description

The basic edit distance of two strings S and T is the minimum number of edit operations that need to be done to transform S into T. The valid edit operations are: Insert a single character at any position. Modify an existing character in any position. Remove an existing character from any position. For example, the basic edit distance of "lock" and "like" is 3, because the following chains of edits are valids (and there is no shorter chain): lock -> locke -> loke -> like lock -> lick -> likk -> like lock -> lck -> lik -> like And more... You are given two strings S and T. You must find and print the basic edit distance.

### Input specification

The input contains two strings S and T. S and T are non-empty words of at most 500 lowercase letters, one per line.

### Output specification

Print a single line with a number N, the minimum number of edit operations that need to be done to transform S into T.

### Sample input

```
lock
like
```

### Sample output

```
3
```

### Hint(s)

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## Caribbean Online Judge

Time limit (ms)	15000
<b>Test limit (ms)</b>	1000
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	100000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text