G. Hamming Distance

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Hamming distance between two strings of equal length is the number of positions at which the corresponding symbols are different. You are given two strings; calculate the distance between them.

Input

The input consists of two lines. Each line contains a string of characters 'A'-'Z' between 1 and 100 characters, inclusive. The strings have equal length.

Output

Output Hamming distance between the strings.

Examples

input
CODECHEF TOPCODER
output
6

input
HAMMING DISTANC
output
6