

Problem 31608 - Hamming Distance

Multilingual



Time Limit	Memory Limit	Submissions	Accepted	Solved	Ratio
2 seconds	1024 MB	443	377	360	84.706%

Description

Given an integer N and two strings S and T of length N , print the Hamming distance between S and T .

Here, the Hamming distance between S and T is the number i ($1 \leq i \leq N$) for which the i -th character of S differs from the i -th character of T .

Input

The input is given in the following format:

```
N
S
T
```

Output

Print the Hamming distance between S and T .

Do not output anything other than the results. (Do not output any messages prompting input, etc.)

Limit

- $1 \leq N \leq 100$.
- N is an integer.
- S and T are strings of length N consisting of lowercase English letters.

Sample Input 1

Copy

```
3
Thursday
ioi
```

Sample Output 1

Copy

```
1
```

- The first letter of S and T are `t` and `i`, which are different. $j = 1$
- The second character of S and T is `h` and `o`, so they match. $j = 0$
- The third character of each of S and T is `d` and `i`, so they match. $j = 0$
- Therefore, the Hamming distance with `Thursday` and `ioi` is 1, so output 1.

Sample Input 2

Copy

```
5
march
april
```

Sample Output 2 Copy

```
4
```

- `march april` Since the Hamming distance between is 4, *output* 4 .

Sample Input 3 Copy

```
6
sample
sample
```

Sample Output 3 Copy

```
0
```

- `sample sample` Since the Hamming distance between is 0, *output* 0 .

Source



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예선 1 (/category/detail/4174) 1-3번

Algorithm Classification

look

Memo