The Mandalorian

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It is a difficult period for the Mandalorian(Mando) as his dear friend Grogu has been captured by the remanant forces of the Empire.Help him rescue Grogu!!

There are n portals each requiring a passkey to go through it.Each portal is described by a uppercase english letter(eg:B) whose passkey is described by the corresponding lowercase letter(eg:b).Mando recieves a random passkey(given in input) at start of each portal.Keep in mind that,Mando can use ***each passkey only once*** but can keep the passkey recieved at one portal for future use at some other portal.

Help Mando by **calculating the minimum number of passkeys** he should possess in the beginning so that he could pass through all portals consecutively(as per input) to reach Grogu!

Note: More than one portal can be described by the same uppercase letter.

Input Format

First line of input- integer(n) =>number of portals

Second line of input- string (length=n) =>description of each portal in order

Third line of input- string(length=n) =>description of passkey recieved at each portal in order

Constraints

1<=n<=10^6

Output Format

Display only a single integer which is the minimum number of passkeys Mando needs at the beginning.

Sample Input 0

```
4
BACC
abcz
```

Sample Output 0

```
2
```

Explanation 0

Mando would need atleast 2 passkeys(b and c) in the beginning to reach Grogu.

Submissions: 198
Max Score: 100
Difficulty: Easy

Rate This Challenge:

More

Current Buffer (saved locally, editable) C++

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code