MWC '15 #5 P3: French Words

Time limit: 0.3s **Memory limit:** 256M

Salarios77 and **AndrewNitu** are under suspicion of plagiarism, a serious crime at William Lyon Mackenzie CI. They were supposed to complete a project involving writing French words on a piece of paper in alphabetical order and presenting their definitions to the class. To see if they truly plagiarized, you are to write a program to determine how many unique words they share in common.

Input Specification

The first line contains two integers, N and M ($1 \leq N, M \leq 10^4$), the number of words in **Salarios77**'s and **AndrewNitu**'s respective projects.

The second line contains N strings, the words in the first list.

The third line contains M strings, the words in the second list.

It is guaranteed that each string consists only of characters `a` - `z` and has length at most 20.

Output Specification

Output the number of unique words they share in common.

Sample Input

```
4 4
a b c d
b c z zz
```

Sample Output

```
2
```