

### C. Number of Equal

time limit per test: 1 second

memory limit per test: 256 megabytes

You are given two arrays  $a$  and  $b$ , sorted in non-decreasing order. Find the number of pairs  $(i, j)$  for which  $a_i = b_j$ .

#### Input

The first line contains integers  $n$  and  $m$ , the sizes of the arrays ( $1 \leq n, m \leq 10^5$ ). The second line contains  $n$  integers  $a_i$ , elements of the first array, the third line contains  $m$  integers  $b_i$ , elements of the second array ( $-10^9 \leq a_i, b_i \leq 10^9$ ).

#### Output

Print one number, the answer to the problem.

#### Example

input	Copy
8 7 1 1 3 3 3 5 8 8 1 3 3 4 5 5 5	
output	Copy
11	

#### → Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

