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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 ($1 \le n, m \le 10^5$). 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 ($-10^9 \le a_i, b_i \le 10^9$).

Output

Print one number, the answer to the problem.

Example

Example	
input	Сору
8 7 1 1 3 3 3 5 8 8 1 3 3 4 5 5 5	
output	Сору
11	

→ **Submit?**Language: GNU G++20 13.2 (64 bit, win ♥

Choose file: Choose File No file chosen

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