

E (EN)

Time Limit: 1s

Memory Limit: 256MB

Description

Given N integers A_i that can range from 1 to M , count how many times K appears

Input Format

The first line contains N and M

The second line contains N integers $A_i(A_1, A_2, A_3, \dots, A_N)$

The third line contains an integer K

Output Format

The number of times the integer K appears

Constraints

$1 \leq N, M \leq 1000$

$1 \leq K, A_i \leq M$

Example

Input
10 5 5 2 4 1 2 3 4 3 2 5 2
Output
3

Explanation

There are 10 integers that range from 1 to 5

The number of times 1 appears: 1

The number of times 2 appears: 3

The number of times 3 appears: 2

The number of times 4 appears: 2

The number of times 5 appears: 2

Since the number 2 appears 3 times, print 3 as the output