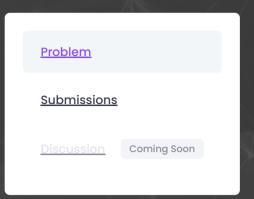




Easy Task

△ • Contest List • Algorithm Competition Summer Camp 2023 Foundation Upsolving Contest • Problem List • Easy Task • Problem



Master Fenasal is assigning his student Dabbeli an easy task.

He'll be giving two arrays A and B which are sized n and m respectively. Fenasal wants Dabbeli to find number of i,j pairs where i and j are as following:

 $1 \le i \le n$

 $1 \le j \le m$

 $A_i \leq B_j$

Input Format

First line there are two integers n and m

Second line contains elements of array ${\cal A}$

Third line contains elements of array ${\cal B}$

Output Format

Single integer denoting the number of appropriate i,j pairs

Constraints

```
1 \leq n,m \leq 200000
```

 $1 \leq A_i, B_i \leq 10^9$

Sample Input 1 🔲

3 5 3 8 5 2 3 4 5 6 Sample Output 1 🔲

6

```
1 #include <bits/stdc++.h>
 2
 3 using namespace std;
 4 #define int long long
 5
 6 - int32_t main() {
7
       int n1, n2;
 8
        cin >> n1 >> n2;
9
        vector<int> arr1(n1), arr2(n2);
10
        for(int i = 0; i < n1; i++)</pre>
11
12
          cin >> arr1[i];
        for(int i = 0; i < n2; i++)
13
        cin >> arr2[i];
14
15
        sort(arr1.begin(), arr1.end());
16
17
        sort(arr2.begin(), arr2.end());
18
        int cnt = 0;
19
```

```
20
        INT J = 0;
        for (int i = 0; i < n1; i++) {
   while (j < n2 && arr1[i] > arr2[j]) {
21 -
22 -
23
                 j++;
24
25
            cnt += n2 - j;
26
27
        cout << cnt << "\n";
28
29
        return 0;
30
31
                              Test against custom test case
  1 Upload File
                                                                                          Submit
                                                                           Run Code
                                Accepted
  ✓ <u>Sample Test Case 0</u>
                                Input(stdin)
                                  1 3 5
                                   2 3 8 5
                                 3 2 3 4 5 6
                                Output(stdin)
                                   1 6
                                   2
                                Expected Output
                                 1 6
```

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