Problem Link:

<https://codeforces.com/problemset/problem/489/B>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** n, m;
* cin >> n;
* **vector<int>** b(n);
* **for**(**int** i = 0; i < n; ++i)
* cin >> b[i];
* cin >> m;
* **vector<int>** g(m);
* **for**(**int** i = 0; i < m; ++i)
* cin >> g[i];
* sort(b.begin(), b.end());
* sort(g.begin(), g.end());
* **int** i = 0, j = 0, p = 0;
* **while**(i < n && j < m)
* {
* **if**(abs(b[i] - g[j]) <= 1)
* {
* ++p;
* ++i;
* ++j;
* }
* **else** **if**(b[i] < g[j])
* {
* ++i;
* }
* **else**
* {
* ++j;
* }
* }
* cout << p << **"\n"**;
* **return** 0;
* }