Problem Link:

<https://codeforces.com/problemset/problem/1399/B>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while** (t--) {
* **int** n;
* cin >> n;
* **vector<int>** a(n), b(n);
* **for**(**int** i = 0; i < n; i++)
* {
* cin >> a[i];
* }
* **for**(**int** i = 0; i < n; i++)
* {
* cin >> b[i];
* }
* **long** **long** **int** ma = \*min\_element(a.begin(), a.end()), mb = \*min\_element(b.begin(), b.end()), m = 0;
* **for**(**int** i = 0; i < n; i++)
* {
* **long** **long** **int** da = a[i] - ma, db = b[i] - mb, c = min(da, db);
* m += c + (da - c) + (db - c);
* }
* cout << m << **"\n"**;
* }
* **return** 0;
* }