

# Week 6 Programming Assignment - Milkman

---

Select the Language for this assignment.    --    C++

```
#include<bits/stdc++.h>

using namespace std;

int main() {
    ios::sync_with_stdio(false);
    cin.tie(0);

    int n, p, f;
    cin >> n >> p >> f;

    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];
    }
    sort(a.begin(), a.end());
    sort(b.rbegin(), b.rend());
    int fine = 0;
    for(int i = 0; i < n; ++i) {
        int val = a[i] + b[i];
        fine += max(0, (val - p) * f);
    }
    cout << fine << '\n';
}
```