Maximum Possible Sum of Products

给定两个数组A,B,其中元素两两相乘,并将这些乘积相加,求最大的和

```
#include <bits/stdc++.h>
using namespace std;
typedef vector<int> vi;
long long int maxProductSum(vi &A, vi &B, int &N) {
   long long int maxSum = 0;
   sort(A.begin(), A.end());
   sort(B.begin(), B.end());
   for (int i = 0; i < N; ++i) {
        maxSum += A[i] * B[i];
    return maxSum;
}
int main() {
   int T;
   scanf("%d", &T);
   while (T--) {
       int N;
        scanf("%d", &N);
        vi A(N), B(N);
        for (int i = 0; i < N; ++i) scanf("%d", &A[i]);
        for (int i = 0; i < N; ++i) scanf("%d", &B[i]);
        printf("%lld\n", maxProductSum(A, B, N));
   }
}
```