

Given two arrays `array_One[]` and `array_Two[]` of same size `N`. We need to first rearrange the arrays such that the sum of the product of pairs( 1 element from each) is minimum. That is  $SUM(A[i] * B[i])$  for all `i` is minimum.

For example:

Input	Result
3	28
1	
2	
3	
4	
5	
6	

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int compare(const void*a,const void *b){
4     return *(int*)a-*(int*)b);
5 }
6 int compared(const void *a,const void *b){
7     return *(int*)b-*(int*)a);
8 }
9 int main(){
10     int n;
11     scanf("%d",&n);
12     int one[n],two[n];
13     for(int i=0;i<n;i++){
14         scanf("%d",&one[i]);
15     }
16     for(int i=0;i<n;i++){
17         scanf("%d",&two[i]);
18     }
19     qsort(one,n,sizeof(int),compare);
20     qsort(two,n,sizeof(int),compared);
21     long long sum=0;
22     for(int i=0;i<n;i++){
23         sum+=(long long)one[i]*two[i];
24     }
25     printf("%lld\n",sum);
26     return 0;
27 }
28
```

	Input	Expected	Got	
✓	3	28	28	✓
	1			
	2			
	3			
	4			
	5			
	6			
✓	4	22	22	✓
	7			
	5			
	1			
	2			
	1			
	3			
	4			
	1			
✓	5	590	590	✓
	20			
	10			
	30			
	10			
	40			
	8			
	9			
	4			
	3			
	10			

Passed all tests! ✓