

Started on Saturday, 30 August 2025, 7:54 PM

State Finished

Completed on Saturday, 30 August 2025, 8:30 PM

Time taken 35 mins 38 secs

Marks 1.00/1.00

Grade 10.00 out of 10.00 (100%)

Question 1 | Correct Mark 1.00 out of 1.00

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 $\text{SUM } (A[i] * B[i])$ 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 int main(){
3     int n;
4     scanf("%d",&n);
5     int A[n],B[n];
6     for(int i=0;i<n;i++){
7         scanf("%d",&A[i]);
8     }
9     for(int i=0;i<n;i++){
10        scanf("%d",&B[i]);
11    }
12    for(int i=0;i<n-1;i++){
13        for(int j=i+1;j<n;j++){
14            if(A[i]>A[j]){
15                int temp=A[i];
16                A[i]=A[j];
17                A[j]=temp;
18            }
19        }
20    }
21    for(int i=0;i<n-1;i++){
22        for(int j=i+1;j<n;j++){
23            if(B[i]<B[j]){
24                int temp=B[i];
25                B[i]=B[j];
26                B[j]=temp;
27            }
28        }
29    }
30    int sum=0;
31    for(int i=0;i<n;i++){
32        sum+=A[i]*B[i];
33    }
34    printf("%d",sum);
35 }
```

	Input	Expected	Got	
✓	3 1 2 3 4 5 6	28	28	✓
✓	4 7 5 1 2 1 3 4 1	22	22	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.