Question 1

Correct

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Question text

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	

```
#include <stdio.h>
 1
    #include <stdlib.h>
 2
 3
 4 v int cmp_asc(const void *a, const void *b) {
        return (*(int*)a - *(int*)b);
 5
 6
    }
 8 v int cmp_desc(const void *a, const void *b) {
        return (*(int*)b - *(int*)a);
 9
10
    }
11
12 v int main() {
13
        int n;
        scanf("%d", &n);
14
15
        int arr1[n], arr2[n];
16
        for (int i = 0; i < n; i++) scanf("%d", &arr1[i]);
17
18
        for (int i = 0; i < n; i++) scanf("%d", &arr2[i]);
19
20
        qsort(arr1, n, sizeof(int), cmp asc);
        qsort(arr2, n, sizeof(int), cmp_desc);
21
22
23
        long long sum = 0;
        for (int i = 0; i < n; i++) {
24 ▼
            sum += (long long)arr1[i] * arr2[i];
25
26
        }
27
        printf("%lld\n", sum);
28
29
        return 0;
30
    }
31
```

	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			