

WEEK 9

Output Format

First line should print sum of A 0 0, A 0 2, A 1 1, A 2 0, A 2 2

Second line should print sum of A 0 1, A 1 0, A 1 2, A 2 1

SAMPLE INPUT

1 2 3 4 5 6 7 8 9

SAMPLE OUTPUT

25

20

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main(){
3     int arr[3][3],i,j,sum1=0,sum2=0;
4     for(i=0;i<3;i++){
5         for(j=0;j<3;j++){
6             scanf("%d",&arr[i][j]);
7         }
8     }
9     sum1=arr[0][0]+arr[0][2]+arr[1][1]+arr[2][0]+arr[2][2];
10    sum2=arr[0][1]+arr[1][0]+arr[1][2]+arr[2][1];
11    printf("%d\n%d",sum1,sum2);
12    return 0;
13 }
```

	Input	Expected	Got	
✓	1 2 3 4 5 6 7 8 9	25 20	25 20	✓

1 6
0 2
0 7
1 15

SAMPLE OUTPUT

7 3 2 15 6

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 void sortdes(int arr[],int n){
3     for(int i=0;i<n-1;i++){
4         for(int j=0;j<n-i-1;j++){
5             if(arr[j]<arr[j+1]){
6                 int temp=arr[j];
7                 arr[j]=arr[j+1];
8                 arr[j+1]=temp;}}}}
9 int main(){
10     int n,femc=0,malc=0,i;
11     scanf("%d",&n);
12     int fem[n],mal[n];
13     for(i=0;i<n;i++){
14         int gender,talent;
15         scanf("%d %d",&gender,&talent);
16         if(gender==0){
17             fem[femc++]=talent;
18         }
19         else{
20             mal[malc++]=talent;
21         }
22     }
23     sortdes(fem,femc);
24     sortdes(mal,malc);
25     for(i=0;i<femc;i++)
26         printf("%d ",fem[i]);
27     for(i=0;i<malc;i++)
28         printf("%d ",mal[i]);
29     scanf("%d",&n);
30     printf("\n");
31     return 0;
32 }
```

	Input	Expected	Got	
✓	5 0 2	7 3 2 15 6	7 3 2 15 6	✓

Farmer with land area A: $C_1 = 5 * 1 = 5$

Farmer with land area B: $C_2 = 6 * 2 = 12$

Farmer with land area C: $C_3 = 6 * 3 = 18$

Total Compensation Money = $C_1 + C_2 + C_3 = 5 + 12 + 18 = 35$

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main(){
3     int i,j,n,x1,x2,y1,y2,t=0;
4     long long total=0;
5     int arr[1001][1001]={0};
6     scanf("%d",&n);
7     while(n--){
8         scanf("%d %d %d %d %d",&x1,&y1,&x2,&y2,&t);
9         for(i=x1;i<=x2;i++){
10            for(j=y1;j<=y2;j++){
11                if(arr[i][j]==0)
12                    arr[i][j]+=t;
13                else if(arr[i][j]>0)
14                    arr[i][j]=(-1)*(arr[i][j]+t);
15                else if(arr[i][j]<0)
16                    arr[i][j]-=t;
17            }
18        }
19    }
20    for(i=1;i<1001;i++){
21        for(j=1;j<1001;j++){
22            if(arr[i][j]<0)
23                total+=arr[i][j];
24        }
25    }
26    printf("%lld\n",(-1)*total);
27    return 0;
28 }
```

	Input	Expected	Got	