

```
1 #include<stdio.h>
2 int main()
3 {
4     int matrix[3][3];
5     int i,j;
6     int sum1 = 0,sum2 = 0;
7
8     for ( i = 0;i < 3;i++)
9     {
10         for(j = 0;j <3;j++)
11         {
12             scanf("%d",&matrix[i][j]);
13         }
14     }
15     sum1 = matrix[0][0] + matrix[0][2] + matrix[1][1] + matrix[2][0] + matrix[2][2];
16     sum2 = matrix[0][1] + matrix[1][0] + matrix[1][2] + matrix[2][1];
17
18     printf("%d\n",sum1);
19     printf("%d\n",sum2);
20
21     return 0;
22 }
```

	Input	Expected	Got	
✓	1 2 3 4 5 6 7 8 9	25 20	25 20	✓
✓	21 422 423 443 586 645 657 846 904	2591 2356	2591 2356	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int compare(const void *a,const void *b)
5 {
6     return (*(int*)b - *(int*)a);
7 }
8 int main()
9 {
10     int N;
11     scanf("%d",&N);
12
13     int females[105],males[105];
14     int fIndex = 0,mIndex = 0;
15
16     for(int i = 0; i < N; i++)
17     {
18         int a,b;
19         scanf("%d %d",&a,&b);
20         if(a==0)
21         {
22             females[fIndex++] = b;
23         }
24         else
25         {
26             males[mIndex++] = b;
27         }
28     }
29
30     qsort(females,fIndex,sizeof(int),compare);
31     qsort(males,mIndex,sizeof(int),compare);
```

```
32
33     for( int i =0; i < fIndex; i++)
34     {
35         printf("%d ", females[i]);
36     }
37
38
39
40
41
42     for (int i = 0; i < mIndex; i++)
43     {
44         printf("%d ",males[i]);
45     }
46     return 0;
47 }
48
49
```

	Input	Expected	Got	
✓	5 0 3 1 6 0 2 0 7 1 15	7 3 2 15 6	7 3 2 15 6	✓
✓	6 0 1 0 26 0 39 0 37 0 7 0 13	39 37 26 13 7 1	39 37 26 13 7 1	✓
✓	12 1 12 1 14 1 18 1 1 1 2 1 3 1 5 1 8 1 9 1 10 0 29	31 29 18 14 12 10 9 8 5 3 2 1	31 29 18 14 12 10 9 8 5 3 2 1	✓

```

1  #include<stdio.h>
2  int main()
3  {
4      int i,j,n,x1,x2,y1,y2,t=0;
5      long long total= 0;
6      int arr[1001][1001]={0};
7      scanf("%d",&n);
8      while(n--)
9      {
10         scanf("%d %d %d %d %d",&x1,&y1,&x2,&y2,&t);
11         for(i=x1;i<=x2;i++)
12         {
13             for(j=y1;j<=y2;j++)
14             {
15                 if(arr[i][j]==0)
16                     arr[i][j]+=t;
17                 else if(arr[i][j]>0)
18                     arr[i][j]=(-1)*(arr[i][j]+t);
19                 else if(arr[i][j]<0)
20                     arr[i][j]-=t;
21             }
22         }
23     }
24     for(i=1;i<1001;i++)
25     {
26         for(j=1;j<1001;j++)
27         {
28             if(arr[i][j]<0)
29                 total+=arr[i][j];
30         }
31     }

```

```

30     }
31 }
32 printf("%lld\n", (-1)*total);
33 return 0;
34 }

```

	Input	Expected	Got	
✓	3 1 4 4 6 1 4 3 6 6 2 2 2 5 4 3	35	35	✓
✓	1 48 12 49 27 8	0	0	✓
✓	3 88 34 99 76 44 82 65 94 100 81 58 16 65 66 7	10500	10500	✓

Passed all tests! ✓