Correct
Marked out of 1.00
P Fing question

You are given a two-dimensional 3\*3 array starting from A [0][0]. You should add the alternate elements of the array and print its sum. It should print two different numbers the first being sum of A 0.0. A 1.0. A 1.0. A 2.2 and A 0.1. A 1.0. A 1.2. A 2.1.

## Input Format

First and only line contains the value of array separated by single space.

A00	A01	A02
4	6	9
A10	A11	A12
2	5	8
A 2 0	A21	A22
1	3	7

### **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

123456789

## SAMPLE OUTPUT

25

20

Answer, (genally regime: 0.%)

Answer: (penalty regime: 0 %)

```
#include(stdio.h)
2
   int main()
3 . {
4
        int arr[3][3];
5
        for(int i=0;i<3;i++)
6 .
7
            for(int j=0;j<3;j++)
8 .
9
                scanf("%d",&arr[i][j]);
10
11
12
        int odd=0, even=0;
13
        for(int i=0;i<3;i++)
14 +
15
            for(int j=0;j<3;j++)
16 v
17
                if((i+j)%2!=0)
18
                odd+=arr[i][j];
19
                else
20
                 even+=arr[i][j];
21
22
23
         printf("%d\n%d",even,odd);
24
         return 8;
25 }
```

	Input	Expected	Got	
~	1 2 3 4 5 6 7 8 9	25 28	25 28	1
/	21 422 423 443 586 645 657 846 984	2591 2356	2591 2356	4

Passed all tests! V

D

Correct
Marked out of 500

Microsoft has come to hire interns from your college. N students got shortlisted out of which few were males and a few females. All the students have been assigned talent levels. Smaller the talent level, female candidates first and then male candidates.

This time Microsoft wants to hire.

The task is to create a list where first all-female candidates are sorted in a descending order and then male candidates are sorted in a descending order.

Input Format

The first line contains an integer N denoting the number of students. Next. N lines contain two space-separated integers, ai and bi.

The first integer, ai will be either 1(for a male candidate) or 0(for female candidate).

The second integer, bi will be the candidate's talent level.

Constraints

1 -= N -= 105

0 <= ai <= 1

1 <= bl <= 109

Output Format

Output space separated integers, which first contains the talent levels of all female candidates sorted in descending order, and then the talent levels of male candidates in descending order.

4

SAMPLE INPUT

35

03

1.6

## SAMPLE OUTPUT

732156

# Answer: (penalty regime: 0 %)

```
#include<stdio.h>
    struct data
2
3 . {
4
        int gen; int tal;
5
6
    int main()
7 + {
         int n;scanf("%d",&n);
8
9
         struct data a[n];
10
         for(int i=0;i<n;i++)
         scanf("%d %d",&a[i].gen,&a[i].tal);
11
12
         for(int i=0;i<n-1;i++)
13 +
             for(int j=0; j<n-1; j++)
14
15 .
                  if(a[j].tal<a[j+1].tal)
16
17 +
                      struct data temp=a[j];
18
                      a[j]=a[j+1];
19
                      a[j+1]=temp;
20
21
22
23
         for(int i=0;i<n;i++)
24
25 +
             if(a[i].gen=0)
26
             printf("%d ",a[i].tal);
27
28
         for(int i=0;i<n;i++)
29
30 .
             if(a[i].gen==1)
31
             printf("%d ",a[i].tal);
32
33
         return 0;
34
35
```

	_	the state of the s			
	Input	Expected	Got		
1	5	7 3 2 15 6	7 3 2 15 6	~	
	8 3		202341		
	1 6				
	9 2				
	8 7				
	1 15				
~	6	39 37 26 13 7 1	39 37 26 13 7 1	1	
	8 1				
	0 26				
	0 39				
	0 37				
	8 7				
	0 13				
V	12	31 29 18 14 12 10 9 8 5 3 2 1	31 29 18 14 12 18 9 8 5 3 2 1	~	
	1 12				
	1 14				
	1 18				
	1.1				
	1 2				
	1 3				
	1 5				
	1 8				
	19				
	1 10				
	8 29				
	0 31				
4		12 12 12 12 12 12 12 12 12 12 12 12 12	12 12 12 12 12 12 12 12 12 12 12 12 12	1	
	0 12				
	1 12				
	0 12				
	1 12				
	8 12				
	0 12				
	1 12				
	8 12				
	1 12				
	0 12				
	1 12				
	4. 4.5				

Question 3
Correct
Marked out of 1.00
Filip Question

Shyam Lal. a wealthy landlord from the state of Rajasthan, being an old fellow and tired of doing hard work decided to sell all his farmland and to live rest of his life with that money. No other farmer is not enough to buy all his land so he decided to partition the land into rectangular plots of different sizes with different cost per unit area. So, he sold these plots to the farmers but made a missate. Being money to the farmers of that land which was overlapping. When the farmer's land to settle down the conflict. All the portion of conflicted land will be taken back by the landlord.

To decide the total compensation, he has to calculate the total amount of money to return back to farmers with the same cost they had purchased from him. Suppose, Shyam Lal has a total land area of farmers. Help Shyam Lal to accomplish this task.

#### Input Format:

The first line of the input contains an integer N. denoting the total number of land pieces he had distributed. Next N line contains the 5 space separated integers (X1, Y1), (X2, Y2) to recreate a rectangular piece of land, and cost per unit area C.

(X1, Y1) and (X2, Y2) are the locations of first and last square block on the diagonal of the rectangular region.

Output Format:

Print the total amount he has to return to farmers to solve the conflict.

Constraints:

1 ≤ N ≤ 100

1 5 X1 5 X2 5 1000

1 5 Y1 5 Y2 5 1000

1 ≤ C ≤ 1000

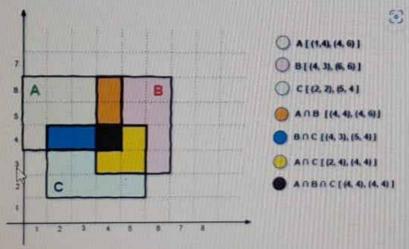
SAMPLE INPUT

3

14461

43663

## Explanation



Simple Illustration of Distribution of Land

For given sample input (see given graph for reference), compensation money for different farmers is as follows:

Farmer with land area A: C1 = 5 \* 1 = 5

Farmer with land area B: C2 = 6 \* 2 = 12

Farmer with land area C C<sub>3</sub> = 6 \* 3 = 18

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

Answer: (penalty regime: 0 %)

1 | minclude ostdio.ho

2 int main()

3 413

4 int 1, j, n, x1, x2, y1, y2, t=0;

inng long total 0;

```
int main()
  3 .
     1
 4
         int i,j,n,x1,x2,y1,y2,t=θ;
 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
245
         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
        printf("%lld\n",(-1)*total);
32
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
~	1 48 12 49 27 8	0	9	V

```
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
        for(i=1;i<1001;i++)
24
25 +
            for(j=1;j<1001;j++)
26
27 .
28
                 if(arr[i][j]<0)
29
                 total+=arr[i][j];
30
31
        printf("%lld\n",(-1)*total);
32
33
        return 0;
34
```

	Input	Expected	Got	
~	3	35	35	~
	1 4 4 6 1			
	4 3 6 6 2			
	2 2 5 4 3			
~	1 48 12 49 27 8	0	0	~
~	3	10500	10500	1
	88 34 99 76 44			277
	82 65 94 100 81			
	58 16 65 66 7			

Passed all tests! <