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 0 2, A 1 1, A 2 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	A 2 1	A 2 2
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: (penalty regime: 0 %)

	Input	Expected Got		
*	123456789	25 20	25 28	1
*	21 422 423 443 586 645 657 846 984	2591 2356	2591 2356	~

Passed all tests! 🗸

```
No. to the time of the first contained as the first time outsides and the first time outsides as the f
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	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 0 31	31 29 18 14 12 10 9 8 5 3 2 1	31 29 18 14 12 10 9 8 5 3 2 1	>
~	12 0 12 1 12 0 12 1 12 0 12 1 12 0 12 1 12 1 12 1 12 1 12 1 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 12	~

Passed all tests! 🗸

To decide the stell compensation, he has to calculate the stell amount of money to return back to furners with the same cost they had purchased from him. Suppose, Shyem Left has a stall land area of 7000 x 1000 equal square blocks where each block is equivalent to a unit square area when

(KT, YT) and (KZ, YZ) are the locations of first and last square block on the diagonal of the rectangular region.

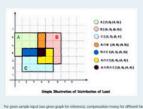
## Constraints

1 ≤ N ≤ 100 1 ≤ X7 ≤ X2 ≤ 1000 1 ≤ Y7 ≤ Y2 ≤ 1000 1 ≤ C ≤ 1000

SAMPLE INPUT

# 8 14461 48662 22548

SAMPLE OUTPUT



Farmor with land area A:  $C_1 = 5 \cdot 1 = 5$ Farmor with land area B:  $C_2 = 6 \cdot 2 = 12$ Farmor with land area C:  $C_3 = 6 \cdot 3 = 18$ 

Total Componisation Money =  $C_1 + C_2 + C_3 = 5 + 12 + 16 = 35$ 

## Answer: (penalty regime: 0 %)

```
#includecstdio.ho
 1.
 2 - int main()(
 3
         int j,n,x1,x2,y1,y2,t=8;
 4.
         long long total-0;
 5
         int arr[1881][1881]=[8];
6.
         scanf("%d",&n);
 7 -
        while(n--)(
             scanf("%d %d %d %d %d",&x1,&y1,&x2,&y2,&t);
8
9 -
             for(int i=x1;i<=x2;i++){
                 for(j=y1;j<=y2;j++){
10 -
                     if(arr[i][j]==0)
11
                     arr[i][j]+=t;
12
                     else if(arr[i][j]>0)
13
                     arr[i][j]=(-1)*(arr[i][j]+t);
14
15
                     else if(arr[i][j]<0)
                     arr[i][j]--t;
16
17
18
19
         for(int i=1;i<1001;i++){
20 -
             for(int j=1;j<1881;j++){
21 -
22.
                 if(arr[i][j]00)
23
                 total+=arr[i][j];
24
25
26
        printf("%lld\n",(-1)*total);
27
         return 8:
28
29
```

	Input	Expected	Got	
~	1 1 4 4 6 1 4 3 6 6 2 2 2 5 4 3	35	35	*
~	1 48 12 49 27 8	o	0	<b>*</b>

<b>~</b>	3	10500	10500	¥	
	88 34 99 76 44				
	82 65 94 100 81				
	58 16 65 66 7				

Passed all tests! 🗸