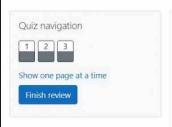
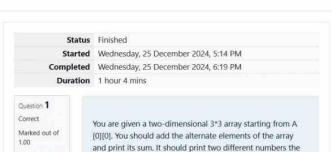
GE23131-Programming Using C-2024





Input Format

10, A12, A21.

P Flag question

First and only line contains the value of array separated by

first being sum of A 0 0, A 0 2, A 1 1, A 2 0, A 2 2 and A 0 1, A

A00	A01	A02
4	6	9
A10	A11	A12
2	S	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

20

Answer: (penalty regime: 0 %)

```
1 |#include<stdio.h>
        int main(){
   int a[3][3];
   int sum1=0,sum2=0;
   for(int i=0;i<3;i++){</pre>
  4
                         fnr(int j=0;j<3;j++){
    scanf("%d",%a[i][j]);
    if((i+j)%2=0) sum1+=a[i][j];
    else sum2+=a[i][j];</pre>
  6 +
11
                 printf("%d\n%d",sum1,sum2);
```

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

Marked out of F Flag question

Question 2

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, lesser is your chance to be selected. Microsoft wants to create the result list where it

	Input	Expected	4
~	123456789	25 28	20.00
~	21 422 423 443 586 645 657 846 984	2591 2356	2

Microsoft has come to hire interns from your college, N students got shortlisted out of which few were makes and sow fermales. All the students have been assigned taken, levels formaller the students have been assigned taken, levels, Foraller the tallent level, lesser is your channe to be selected. Microsoft warns to orealt he result link where it wants the candidates sorted according to their takent levels but there is a calculat. This litem Microsoft warns to hire femal candidates first and then male candidates.

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

```
1 <= N <= 10^5

0 <= at <= 1

1 <= bt <= 10^9
```

```
03
0.7
```

1.15

```
### Answer (penulty regime: 0.50

1 | Finc | Lore (string on the control of the c
                                                                                                                                                                                 | sort(popil,#);
| for(int i-0;i=0;i++){
| if(pupil[i].gender=0) printf(
```

Shyam Lal, a wealthy landlord from the state of Rajashhan, 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 rich enough to buy all his land so he decided to partition the land into rectangular plots of different sizes whit different cost per unit area. So, he sold these plots to the farmers but made a mistake. Being illiterate, he made partitions that could be overlapping. When the farmers came to know about it, they ran to him compensation of extra money they pald to him. So, the decided to return all the money to the farmers of that land which was overlapping with other 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, Sypart. bits as total land area of 1000 x 1000 equal square blocks where each block is equivalent to a unit square area which can be represented on the co-ordinate asis. Now find the total amount of money, he has to return to the farmers. Hely 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 represent a rectangular piece of land, and cost per unit area

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

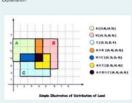
1 ≤ N ≤ 100 1 ≤ X1 ≤ X2 ≤ 1000 1 ≤ Y1 ≤ Y2 ≤ 1000

1 ≤ C ≤ 1000

SAMPLE INPUT

43662

SAMPLE OUTPUT



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: $C_3 = 6 * 3 = 18$

