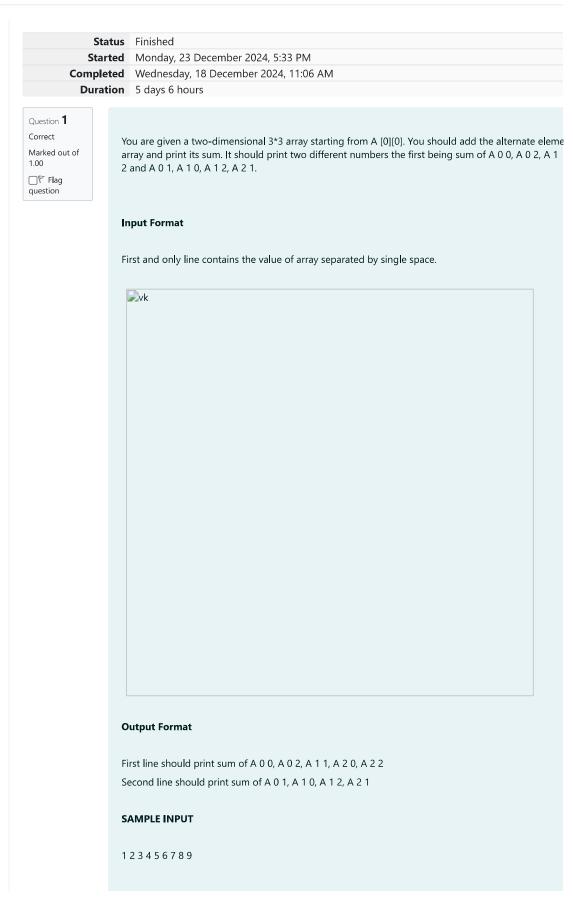
GE23131-Programming Using C-2024





25

20

Answer: (penalty regime: 0 %)

	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	259 1 2356	2591 2356	

Passed all tests!

Question **2**Correct
Marked out of 5.00

□ Flag question Microsoft has come to hire interns from your college. N students got shortlisted out of which few we and a few females. All the students have been assigned talent levels. Smaller the talent level, lesser is chance to be selected. Microsoft wants to create the result list where it wants the candidates sorted a to their talent levels, but there is a catch. This time Microsoft wants to hire female candidates first an candidates.

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

 $1 <= N <= 10^5$

0 <= ai <= 1

1 <= bi <= 10⁹

Output Format

SAMPLE INPUT

5

0 3

16

0 2

0 7

1 15

SAMPLE OUTPUT

7 3 2 15 6

Answer: (penalty regime: 0 %)

	Input	Expected						Go	t										
	5 0 3 1 6 0 2 0 7 1 15	7 3 2 15 6						7 3	3 2 1	.5 6									
	6 0 1 0 26 0 39 0 37 0 7 0 13	39 37 26 13	7 1					39	37 2	26 13	7 1	L							
	12 1 12 1 14 1 18 1 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	3 5 3	3 2	1		31	29 1	8 14	12	10	9 8	3 5	3 :	2 1			
	12 0 12 1 12 0 12 1 12 0 12 0 12 1 12 0 12 1 12	12 12 12 12	12 12 12	12 1	12 1	2 12	12	12	12 1	.2 12	12	12	12	12	12	12	12	12	

0 12 1 12 Passed all tests!

Question **3**Correct
Marked out of 1.00

P Flag question

Shyam Lal, a wealthy landlord from the state of Rajasthan, being an old fellow and tired of doing har decided to sell all his farmland and to live rest of his life with that money. No other farmer is rich enc all his land so he decided to partition the land into rectangular plots of different sizes with different cunit area. So, he sold these plots to the farmers but made a mistake. Being illiterate, he made partitic could be overlapping. When the farmers came to know about it, they ran to him for compensation o money they paid to him. So, he decided to return all the money to the farmers of that land which wa overlapping with other farmer's land to settle down the conflict. All the portion of conflicted land wil back by the landlord.

To decide the total compensation, he has to calculate the total amount of money to return back to fathe same cost they had purchased from him. Suppose, Shyam Lal has a total land area of **1000 x 100** square blocks where each block is equivalent to a unit square area which can be represented on the axis. Now find the total amount of money, he has to return to the farmers. Help Shyam Lal to accomptask.

Input Format:

The first line of the input contains an integer N, denoting the total number of land pieces he had dis Next N line contains the S space separated integers (X1, Y1), (X2, Y2) to represent a rectangular pie 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 rectangu

Output Format:

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

Constraints:

 $1 \le N \le 100$

 $1 \le X1 \le X2 \le 1000$

 $1 \le Y1 \le Y2 \le 1000$

 $1 \le C \le 1000$

SAMPLE INPUT

3

14461

4 3 6 6 2

22543

SAMPLE OUTPUT

35

Explanation

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

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 %)

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!