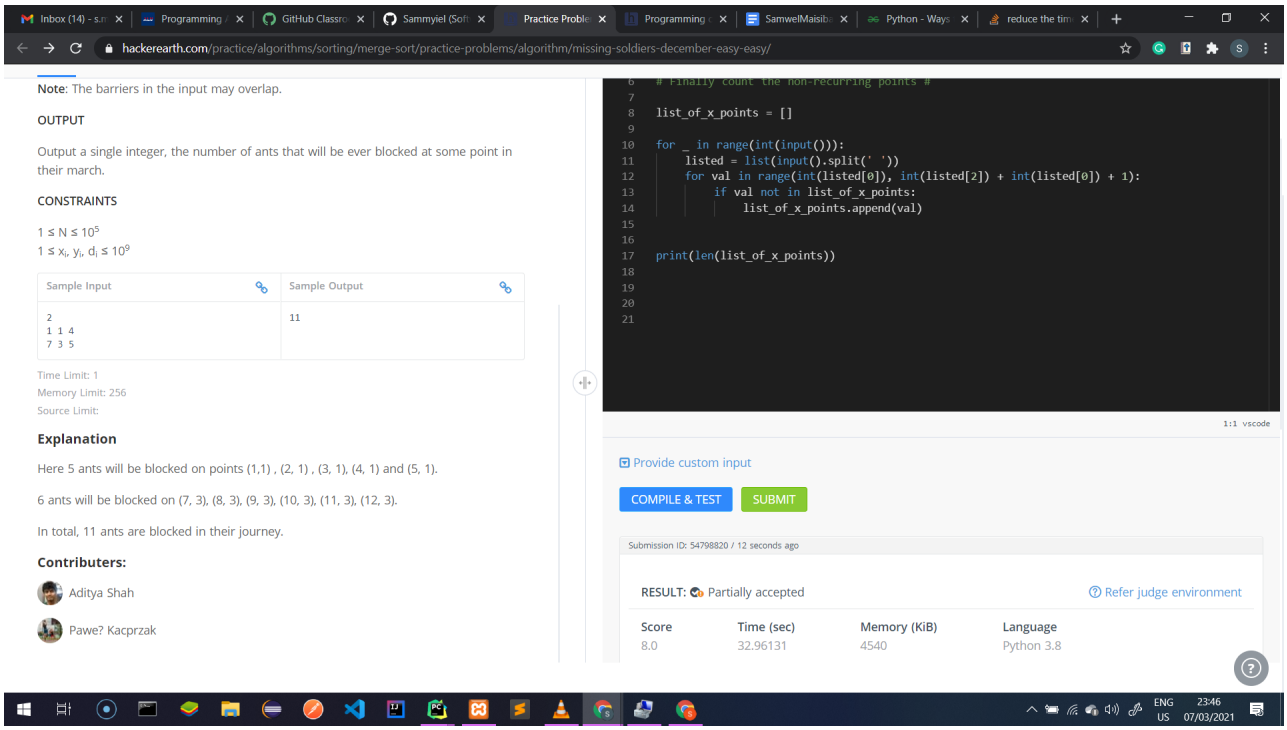
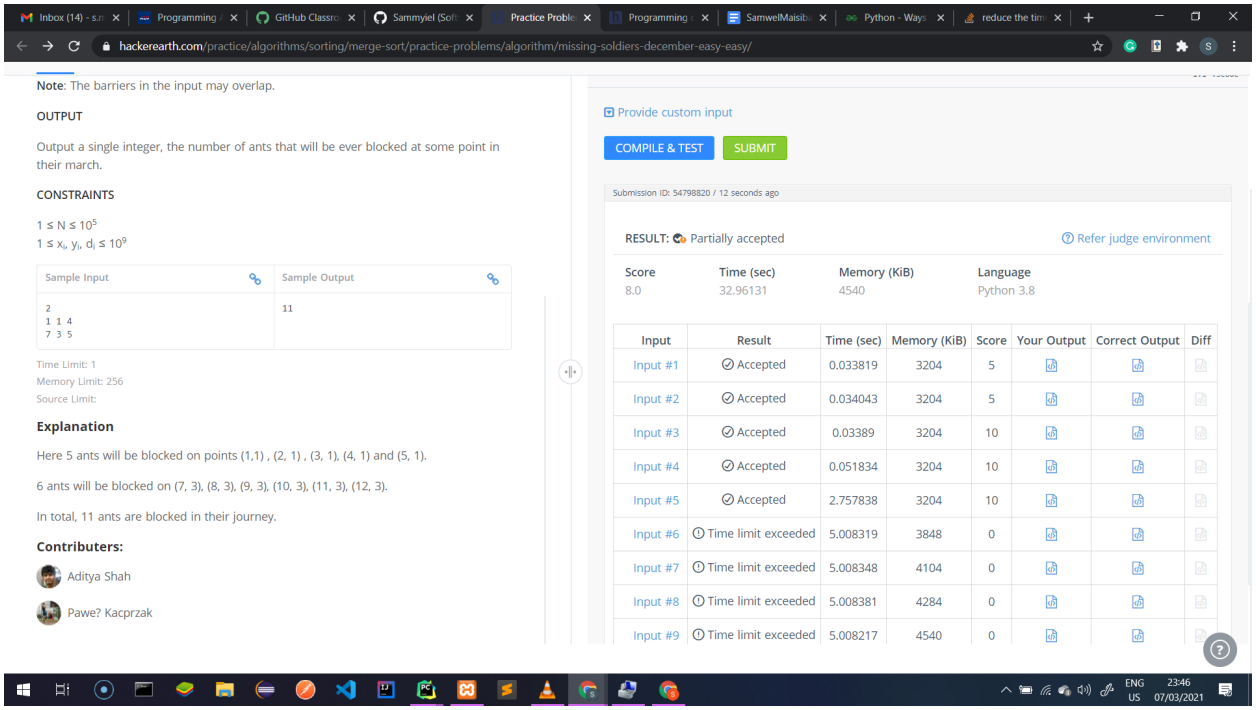
Hackerearth username: Samwel Maisiba




```
list_of_x_points = []

for _ in range(int(input())):
    listed = list(input().split(' '))
    for val in range(int(listed[0]), int(listed[2]) + int(listed[0]) + 1):
        if val not in list_of_x_points:
            list_of_x_points.append(val)


print(len(list_of_x_points))
```



Note: The barriers in the input may overlap.

OUTPUT

Output a single integer, the number of ants that will be ever blocked at some point in their march.

CONSTRAINTS

$1 \le N \le 10^5$
$1 \le x_i, y_i, d_i \le 10^9$

Sample Input	Sample Output
2 1 1 4 7 3 5	11

Time Limit: 1
Memory Limit: 256
Source Limit:

Explanation

Here 5 ants will be blocked on points (1,1) , (2, 1) , (3, 1), (4, 1) and (5, 1).

6 ants will be blocked on (7, 3), (8, 3), (9, 3), (10, 3), (11, 3), (12, 3).

In total, 11 ants are blocked in their journey.

Contributers:

Aditya Shah

Pawe? Kacprzak

Provide custom input

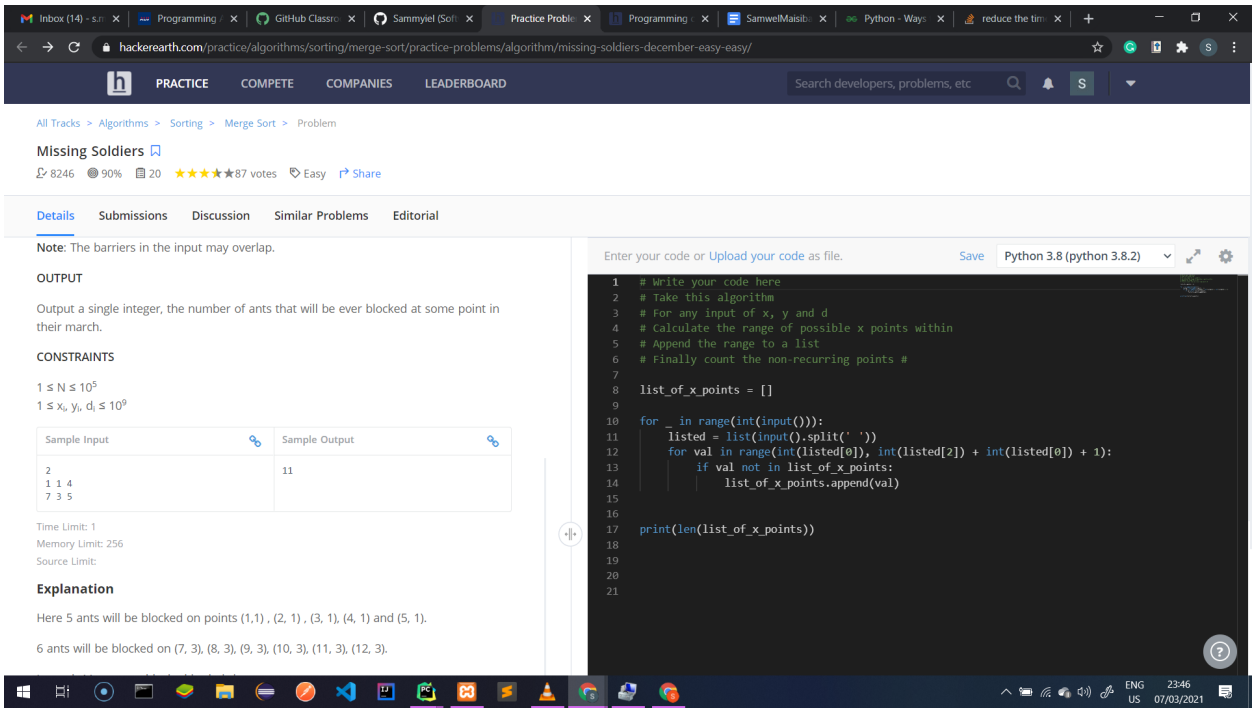
COMPILE & TEST | SUBMIT

Submission ID: 54798820 / 12 seconds ago

RESULT: Partially accepted — Refer judge environment

Score	Time (sec)	Memory (KiB)	Language
8.0	32.96131	4540	Python 3.8

Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Diff
Input #1	Accepted	0.033819	3204	5			
Input #2	Accepted	0.034043	3204	5			
Input #3	Accepted	0.03389	3204	10			
Input #4	Accepted	0.051834	3204	10			
Input #5	Accepted	2.757838	3204	10			
Input #6	Time limit exceeded	5.008319	3848	0			
Input #7	Time limit exceeded	5.008348	4104	0			
Input #8	Time limit exceeded	5.008381	4284	0			
Input #9	Time limit exceeded	5.008217	4540	0			



PRACTICE | COMPETE | COMPANIES | LEADERBOARD

All Tracks > Algorithms > Sorting > Merge Sort > Problem

Missing Soldiers

8246 | 90% | 20 | ★★★★★87 votes | Easy | Share

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6 ants will be blocked on (7, 3), (8, 3), (9, 3), (10, 3), (11, 3), (12, 3).

Enter your code or Upload your code as file. Save Python 3.8 (python 3.8.2)

```
# Write your code here
# Take this algorithm
# For any input of x, y and d
# Calculate the range of possible x points within
# Append the range to a list
# Finally count the non-recurring points #

list_of_x_points = []

for _ in range(int(input())):
    listed = list(input().split(' '))
    for val in range(int(listed[0]), int(listed[2]) + int(listed[0]) + 1):
        if val not in list_of_x_points:
            list_of_x_points.append(val)


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```