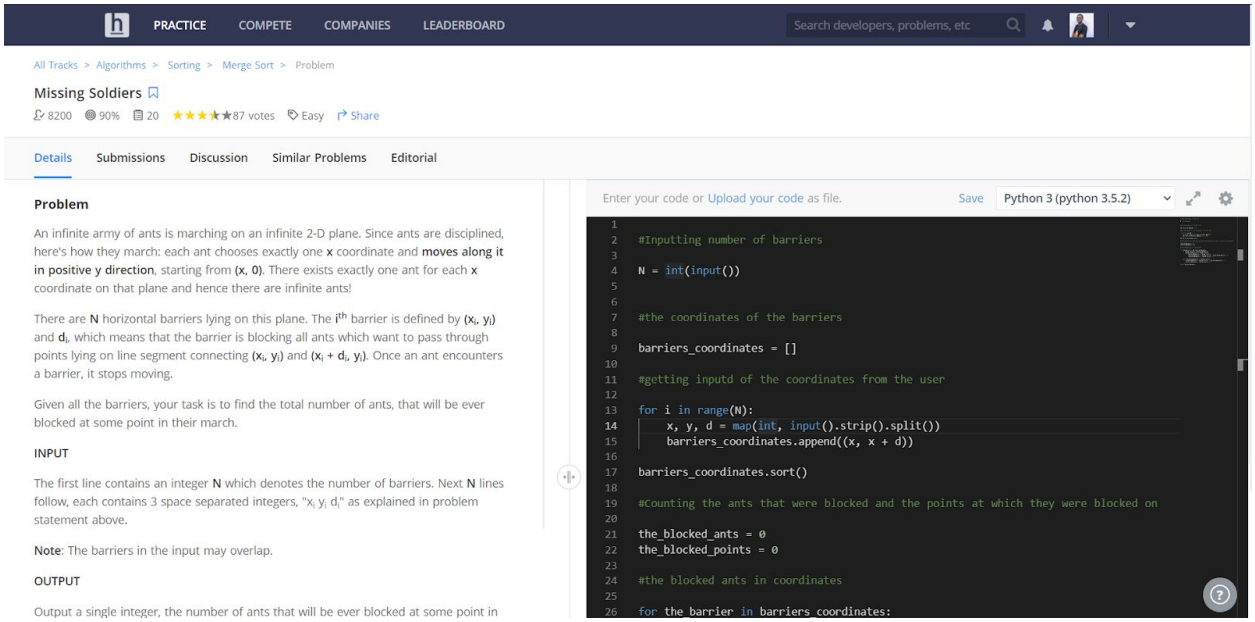
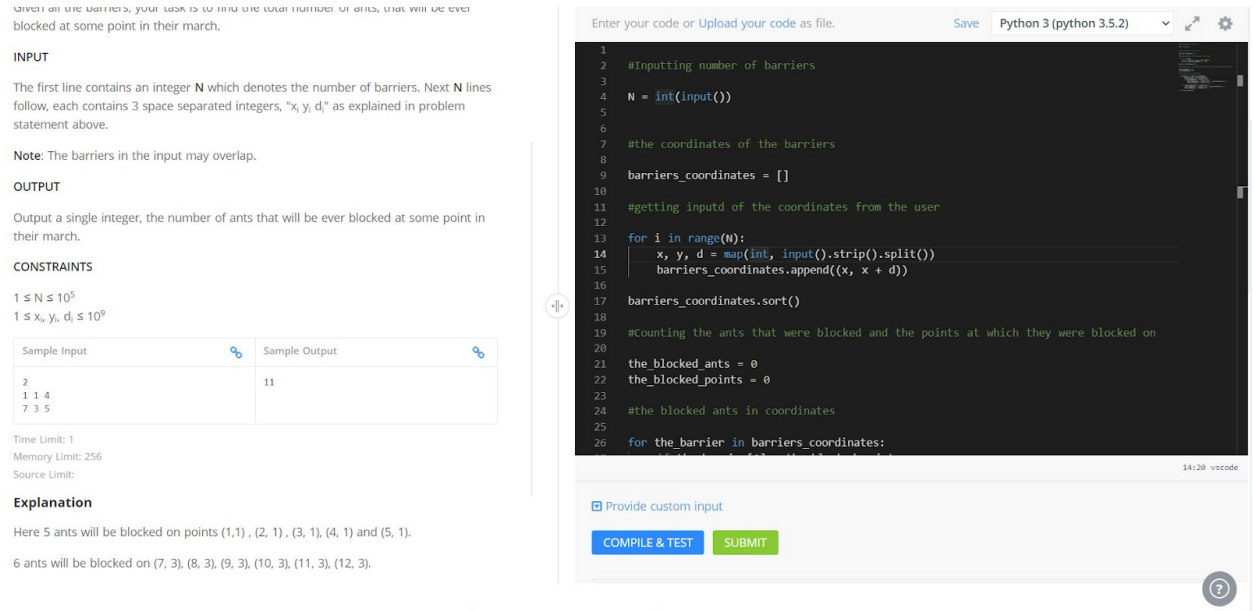
My username on hackerrank: @j.mbikeshim

Screenshots:





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).

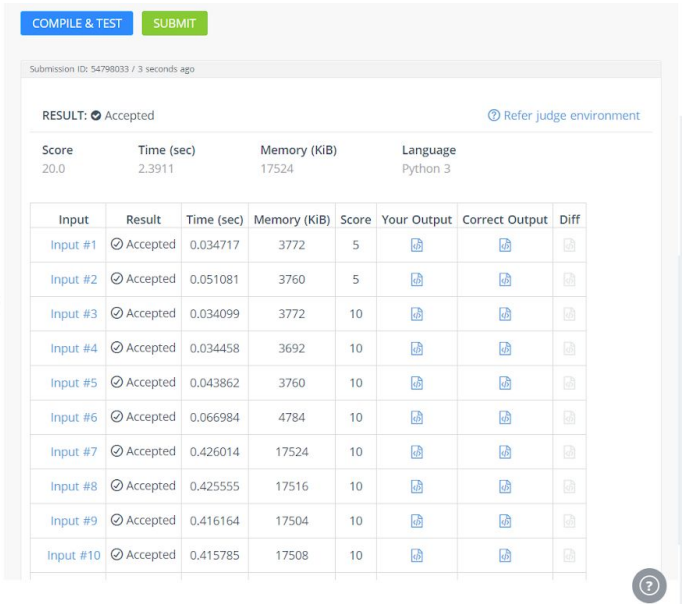
6 ants will be blocked on (7, 3), (8, 3), (9, 3), (10, 3), (11, 3), (12, 3).

In total, 11 ants are blocked in their journey.

Contributers:

Aditya Shah

Pawe? Kacprzak




```
#Inputting number of barriers

N = int(input())


#the coordinates of the barriers

barriers_coordinates = []

#getting inputd of the coordinates from the user

for i in range(N):
   x, y, d = map(int, input().strip().split())
   barriers_coordinates.append((x, x + d))

barriers_coordinates.sort()

#Counting the ants that were blocked and the points at which they were
blocked on

the_blocked_ants = 0
the_blocked_points = 0
```

```
#the blocked ants in coordinates

for the_barrier in barriers_coordinates:
   if the_barrier[0]>= the_blocked_points:
       the_blocked_points = the_barrier[0]
       if the_blocked_points < the_barrier[1]:
           the_blocked_ants += (the_barrier[1] - the_blocked_points) + 1
           the_blocked_points = the_barrier[1] + 1

   elif the_blocked_points <= the_barrier[1]:
       the_blocked_ants += (the_barrier[1] - the_blocked_points) + 1
       the_blocked_points = the_barrier[1] + 1

print(the_blocked_ants)
```