Ĥ

Full Name:

Ahmad Afif Aulia Hariz

Email:

ahmadafif.hariz@gmail.com

Test Name:

Mock Test

Taken On:

14 Jun 2023 19:53:23 IST

Time Taken:

21 min 40 sec/ 33 min

Invited by:

Ankush

Invited on:

14 Jun 2023 19:53:09 IST

Skills Score:

Tags Score:

Algorithms 120/120

Core CS 120/120

Data Structures 120/120

Queues 120/120

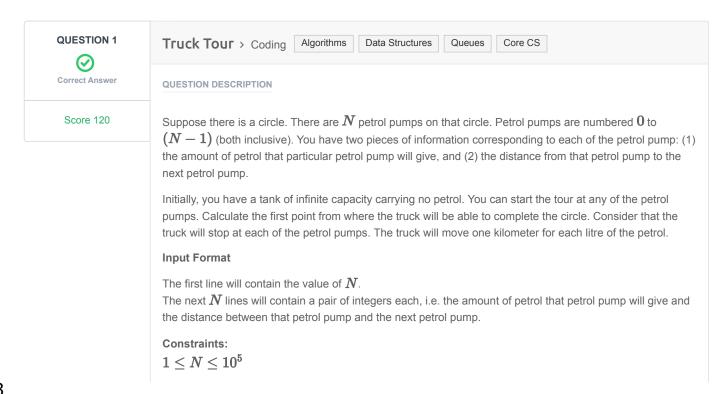
100%

scored in **Mock Test** in 21 min 40 sec on 14 Jun 2023 19:53:23 IST

Recruiter/Team Comments:

No Comments.

Question Description	Time Taken	Score	Status
Q1 Truck Tour > Coding	21 min 29 sec	120/ 120	\odot



```
1 \le \text{amount of petrol, distance} \le 10^9
Output Format
```

An integer which will be the smallest index of the petrol pump from which we can start the tour.

Sample Input

```
3
1 5
10 3
3 4
```

Sample Output

```
1
```

Explanation

We can start the tour from the second petrol pump.

CANDIDATE ANSWER

Language used: Python 3

```
2 #
 3 # Complete the 'truckTour' function below.
 5 # The function is expected to return an INTEGER.
6 # The function accepts 2D_INTEGER_ARRAY petrolpumps as parameter.
 7 #
8
9 def truckTour(petrolpumps):
     # Write your code here
      result = 0
     start = [result]
     # print(petrolpumps)
14
     for i in range(len(petrolpumps)):
          fuel = 0
         while True:
              fuel += petrolpumps[start[-1]][0]
              if fuel >= petrolpumps[start[-1]][1]:
                  fuel -= petrolpumps[start[-1]][1]
                  start.append((start[-1] + 1) % len(petrolpumps))
              else:
                  break
              if len(start) == len(petrolpumps):
                  # print(start)
                   return start[0]
         print("ok")
         result += 1
         start = [result]
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0932 sec	10.7 KB
Testcase 2	Easy	Hidden case	Success	10	0.092 sec	11.1 KB

Testcase 3	Easy	Hidden case	Success	10	0.086 sec	11 KB	
Testcase 4	Easy	Hidden case	Success	10	0.1032 sec	10.8 KB	
Testcase 5	Easy	Hidden case	Success	10	2.0571 sec	34.2 KB	
Testcase 6	Easy	Hidden case	Success	10	3.049 sec	33.9 KB	
Testcase 7	Easy	Hidden case	Success	10	2.7568 sec	34 KB	
Testcase 8	Easy	Hidden case	Success	10	1.8791 sec	34.2 KB	
Testcase 9	Easy	Hidden case	Success	10	0.6517 sec	34.2 KB	
Testcase 10	Easy	Hidden case	Success	10	0.9984 sec	33.8 KB	
Testcase 11	Easy	Hidden case	Success	10	1.3419 sec	34.2 KB	
Testcase 12	Easy	Hidden case	Success	10	3.9494 sec	33.7 KB	
Testcase 13	Easy	Hidden case	Success	10	1.3628 sec	33.8 KB	
No Comments							

PDF generated at: 14 Jun 2023 14:46:48 UTC