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Test Name:

Mock Test

Taken On:

27 Nov 2024 15:26:31 IST

Time Taken:

15 min 48 sec/ 33 min

Invited by:

Ankush

Invited on:

27 Nov 2024 15:26:19 IST

Skills Score:

Tags Score:

Algorithms 120/120

Core CS 120/120

Data Structures 120/120

Queues 120/120

100%

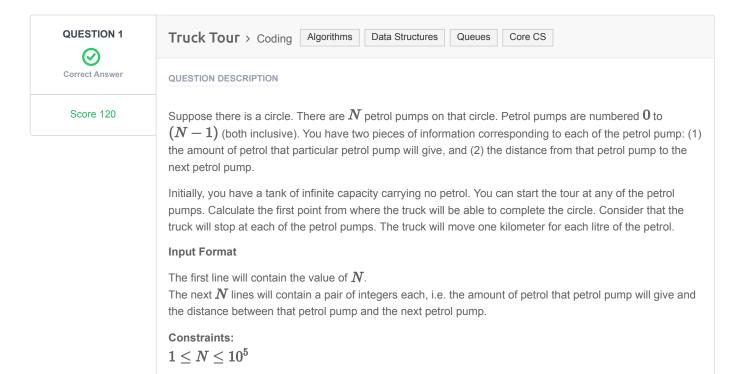
scored in **Mock Test** in 15 min 48 sec on 27 Nov 2024 15:26:31 IST

Recruiter/Team Comments:

No Comments.

Question Description Time Taken Score Status

15 min 34 sec 120/ 120



$1 \le \text{amount of petrol}, \, \text{distance} \le 10^9$ 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: C++14

```
1 /*
 2 * Complete the 'truckTour' function below.
 4 * The function is expected to return an INTEGER.
 5 * The function accepts 2D INTEGER ARRAY petrolpumps as parameter.
 6 */
8 int truckTour(vector<vector<int>> petrolpumps) {
9 int f = 0, res = 0;
     for(size_t i = 0; i<petrolpumps.size(); ++i) {</pre>
         f += (petrolpumps[i][0]-petrolpumps[i][1]);
         if(f<0){
              f=0;
14
              res = i+1;
         }
     }
     return res;
18 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0114 sec	8.9 KB
Testcase 2	Easy	Hidden case	Success	10	0.0102 sec	8.89 KB
Testcase 3	Easy	Hidden case	Success	10	0.0088 sec	9.04 KB
Testcase 4	Easy	Hidden case	Success	10	0.0105 sec	8.96 KB
Testcase 5	Easy	Hidden case	Success	10	0.059 sec	18.8 KB
Testcase 6	Easy	Hidden case	Success	10	0.0967 sec	18.8 KB
Testcase 7	Easy	Hidden case	Success	10	0.0618 sec	18.8 KB
Testcase 8	Easy	Hidden case	Success	10	0.074 sec	18.9 KB
Testcase 9	Easy	Hidden case	Success	10	0.0576 sec	18.9 KB
Testcase 10	Easy	Hidden case	Success	10	0.0573 sec	18.8 KB
Testcase 11	Easy	Hidden case	Success	10	0.058 sec	18.9 KB

Testcase 12	Easy	Hidden case	Success	10	0.0769 sec	18.9 KB
Testcase 13	Easy	Hidden case	Success	10	0.0557 sec	19 KB
No Comments						

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