

Discussions

My Submissions

## Prime Game (100 Marks)

Problem Statement

Rax, a school student, was bored at home in the pandemic. He wanted to play but there was no one to play with. He was doing some mathematics questions including prime numbers and thought of creating a game using the same. After a few days of work, he was ready with his game. He wants to play the game with you.

## GAME:

Rax will randomly provide you a range [ L , R ] (both inclusive) and you have to tell him the maximum difference between the prime numbers in the given range. There are three answers possible for the given range.

- There are two distinct prime numbers in the given range so the maximum difference can be found.
- There is only one distinct prime number in the given range. The maximum difference in this case would be 0.
- There are no prime numbers in the given range. The output for this case would be -1.

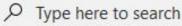
To win the game, the participant should answer the prime difference correctly for the given range.

## Example:

Range: [1, 10]

The accidence difference between the adaptation in the above access in F





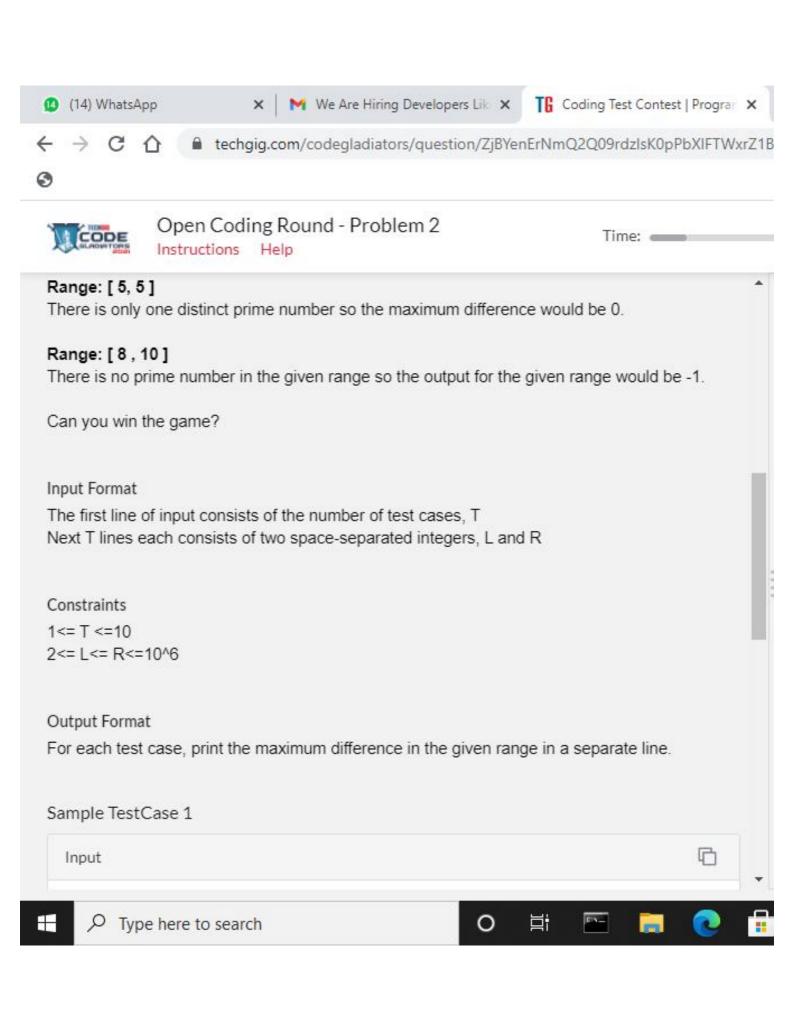














## Open Coding Round - Problem 2

Time:

Instructions Help

Input	
5	
5 5	
27	
8 10	
10 20	
45	
Output	
0	
5	
0 5 -1 8	
8	
0	
xplanation	
est Case 1: [5-2]=3	
est Case 2: [7 - 2] = 5	
가게 되었다. 이 아이에 가게 하게 되었다면 하게 되었다면 하게 되었다면 그 없는데 그렇게 되었다면 그렇게 그렇게 그렇게 그렇게 그렇게 그렇게 그렇게 되었다면 그렇게	
est Case 3: No prime number in the given range. Output = -1 est Case 4: [ 19 - 11 ] = 8	