UNIVERSIDAD NACIONAL DE SAN AGUSTÍN DE AREQUIPA

FACULTAD DE PRODUCCION Y SERVICIOS

ESCUELA PROFESIONAL DE INGENIERÍA DE SISTEMAS

Curso: Laboratorio Análisis y Diseño de Algoritmos

Evidencias Ejercicios 8

Docente: Florez Farfan, Alex Josue

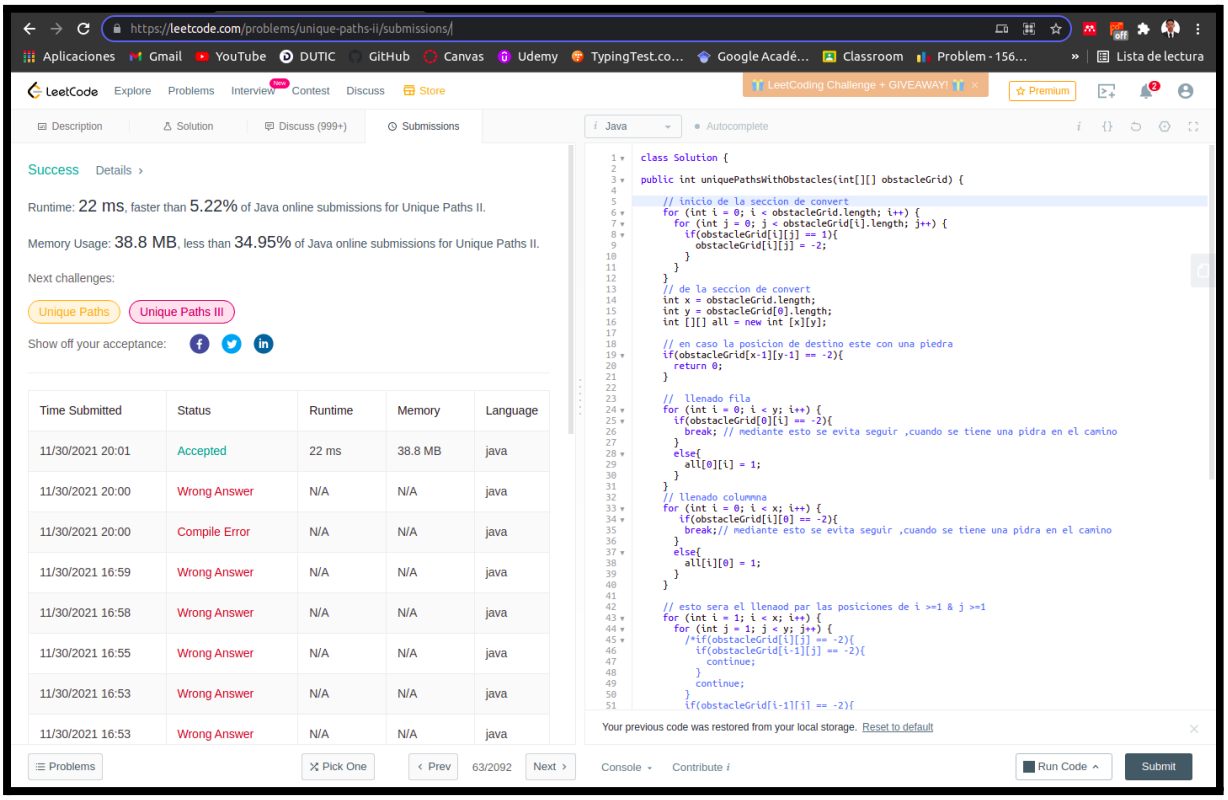
Estudiante:

Neira Carrasco, Darwin Jesus

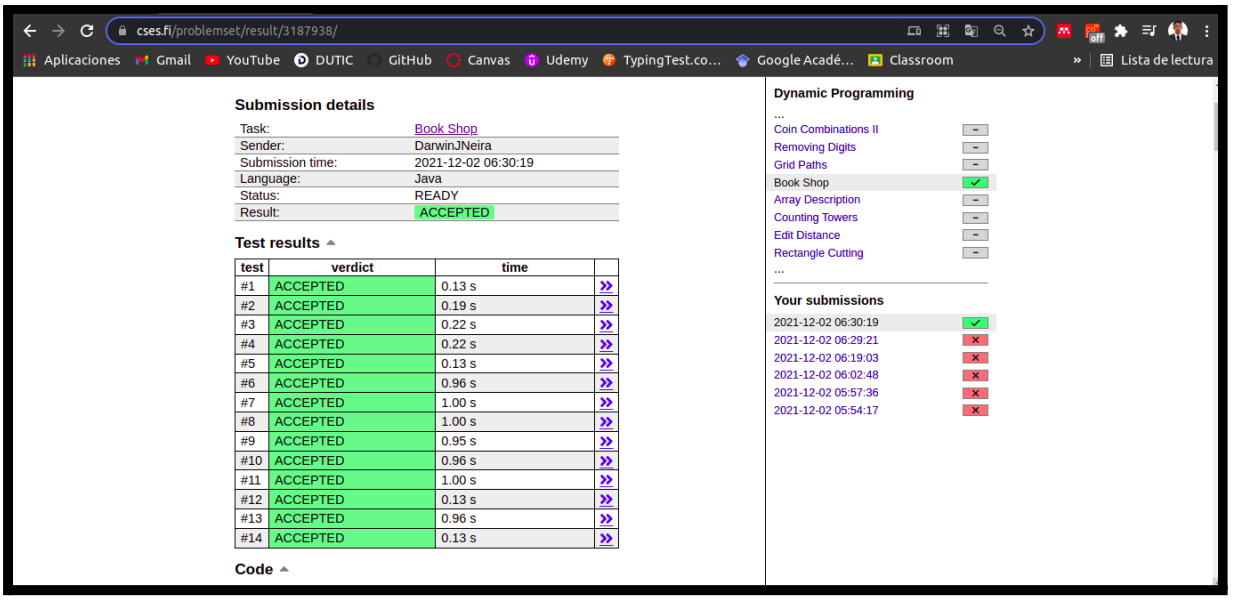
Grupo - “B”

Arequipa - Perú

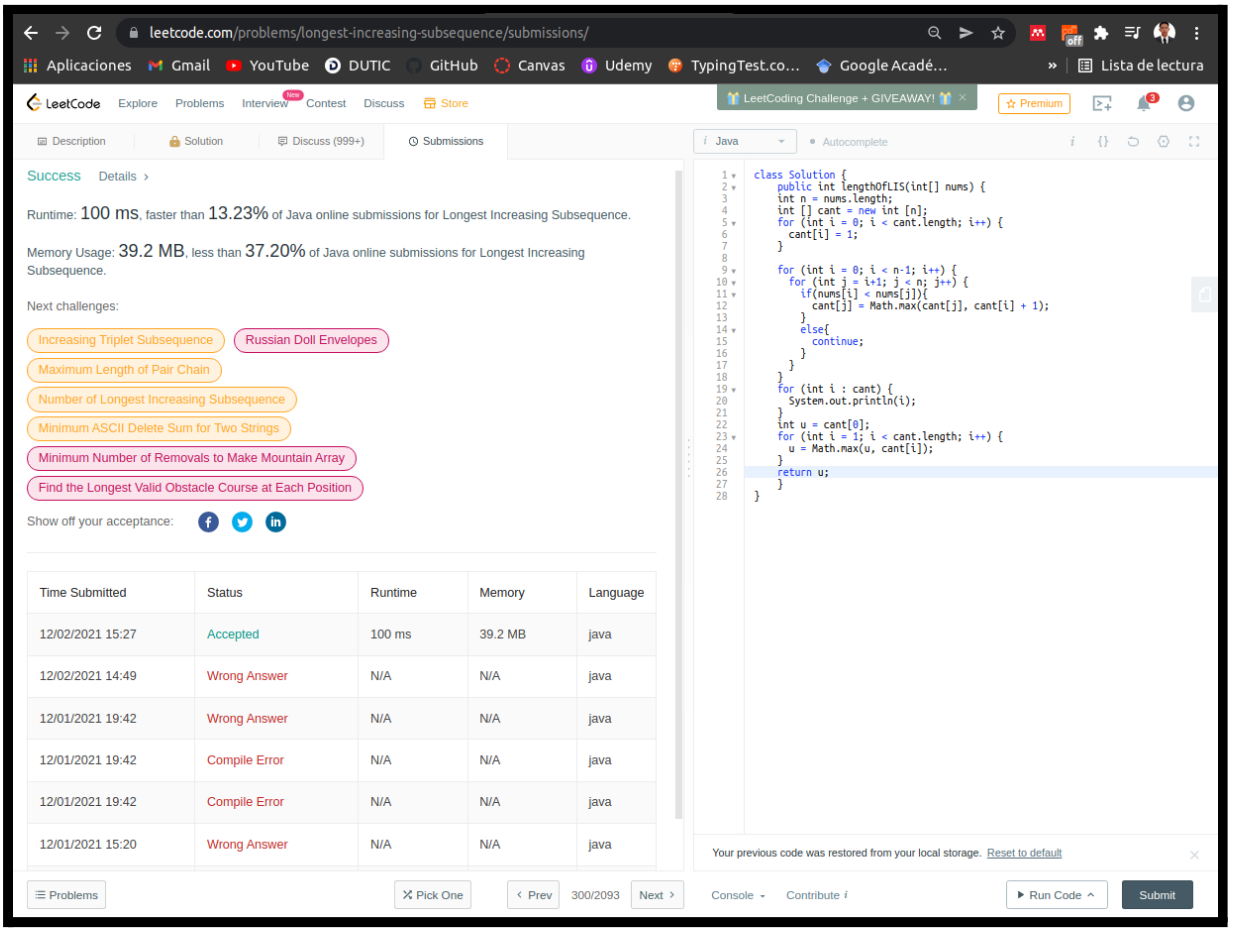
Ejercicio 1



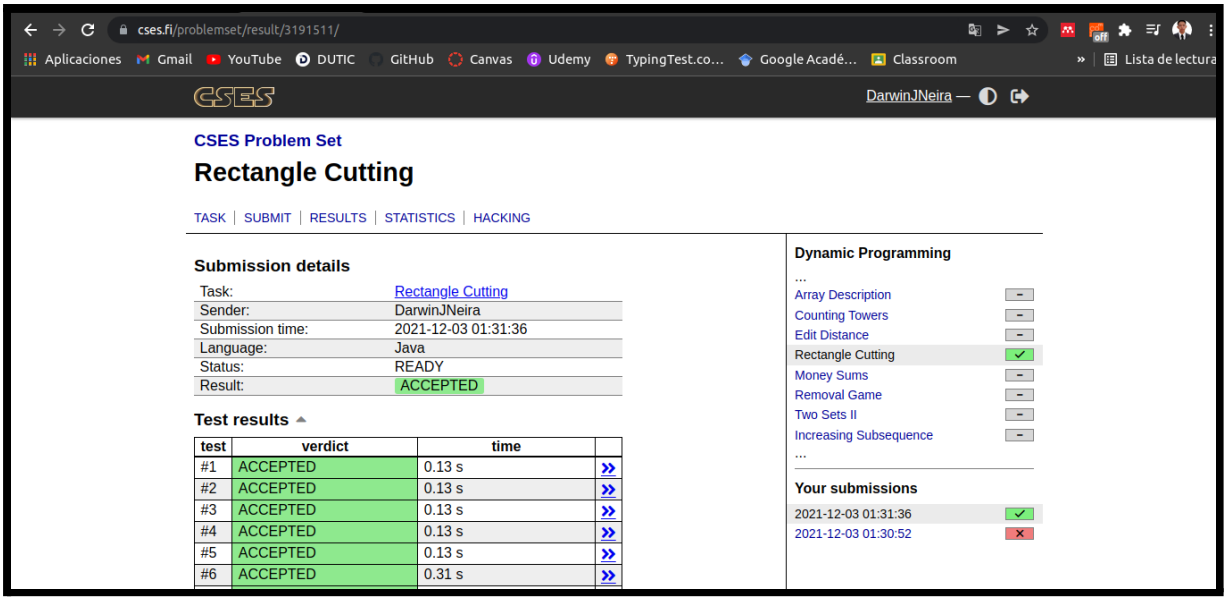
Ejercicio 2



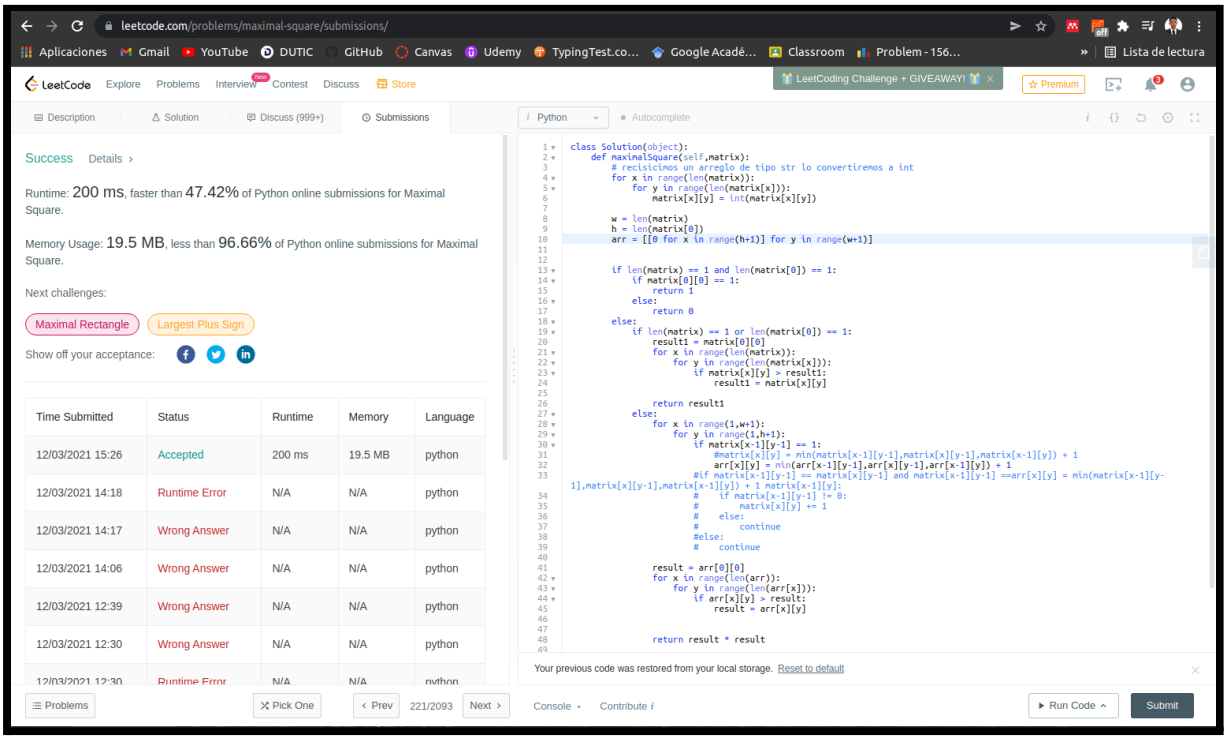
Ejercicio 3



Ejercicio 4



Ejercicio 5


leetcode.com/problems/maximal-square/submissions/
LeetCode
Explore
Problems
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Contest
Discuss
Store
Description
Solution
Discuss (999+)
Submissions
Success
Details ›
Runtime: 200 ms, faster than 47.42% of Python online submissions for Maximal Square.
Memory Usage: 19.5 MB, less than 96.66% of Python online submissions for Maximal Square.
Next challenges:
Maximal Rectangle
Largest Plus Sign
Show off your acceptance:
Time Submitted
Status
Runtime
Memory
Language
12/03/2021 15:26
Accepted
200 ms
19.5 MB
python
12/03/2021 14:18
Runtime Error
N/A
N/A
python
12/03/2021 14:17
Wrong Answer
N/A
N/A
python
12/03/2021 14:06
Wrong Answer
N/A
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python
12/03/2021 12:39
Wrong Answer
N/A
N/A
python
12/03/2021 12:30
Wrong Answer
N/A
N/A
python
Python
Autocomplete
class Solution(object):
def maximalSquare(self,matrix):
# recisicimos un arreglo de tipo str lo convertiremos a int
for x in range(len(matrix)):
for y in range(len(matrix[x])):
matrix[x][y] = int(matrix[x][y])
w = len(matrix)
h = len(matrix[0])
arr = [[0 for x in range(h+1)] for y in range(w+1)]
if len(matrix) == 1 and len(matrix[0]) == 1:
if matrix[0][0] == 1:
return 1
else:
return 0
else:
if len(matrix) == 1 or len(matrix[0]) == 1:
result1 = matrix[0][0]
for x in range(len(matrix)):
for y in range(len(matrix[x])):
if matrix[x][y] > result1:
result1 = matrix[x][y]
return result1
else:
for x in range(1,w+1):
for y in range(1,h+1):
if matrix[x-1][y-1] == 1:
#matrix[x][y] = min(matrix[x-1][y-1],matrix[x][y-1],matrix[x-1][y]) + 1
arr[x][y] = min(arr[x-1][y-1],arr[x][y-1],arr[x-1][y]) + 1
#if matrix[x-1][y-1] == matrix[x][y-1] and matrix[x-1][y-1] ==arr[x][y] = min(matrix[x-1][y-1],matrix[x][y-1],matrix[x-1][y]) + 1 matrix[x-1][y]:
if matrix[x-1][y-1] != 0:
matrix[x][y] += 1
else:
continue
#else:
# continue
result = arr[0][0]
for x in range(len(arr)):
for y in range(len(arr[x])):
if arr[x][y] > result:
result = arr[x][y]
return result * result
Your previous code was restored from your local storage. Reset to default
Problems
Pick One
Prev
221/2093
Next
Console
Contribute
Run Code
Submit