



Universidad Nacional Autónoma de México

Facultad de Estudios Superiores Aragón



Ingeniería en
Computación

Diseño y análisis de
algoritmos

TAREA 1

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RUN AND DEBUG ...

RUN

Run and Debug

To customize Run and Debug create a launch.json file.

Show automatic Python configurations

algoritmos1.py

```
algoritmos1.py > existe_par_dos_arreglos_v2
1 def existe_par_hash_v2(A, K):
15     return False
16
17 nums = [5, 2, 3, 7, 9]
18 objetivo = 8
19 print(existe_par_hash_v2(nums, objetivo))
20
21 #version 2 del algoritmo
22
23 def existe_par_dos_arreglos_v2(A, K):
24
25     B = sorted(A)
26     izq = 0
27     der = len(B) - 1
28
29     while izq < der:
30         suma_actual = B[izq] + B[der]
31         if suma_actual == K:
32             return True
33         if suma_actual < K:
34             izq += 1
35         else:
36             der -= 1
37     return False
38
39 nums = [5, 2, 3, 7, 9]
40 objetivo = 8
41 print(existe_par_dos_arreglos_v2(nums, objetivo))
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

Python Debug Console

```
PS C:\Users\braya\Downloads\Tarea 1 DyADA> & 'c:\Users\braya\AppData\Local\Programs\Python\Python312\python.exe' 'c:\Users\braya\.vscode\extensions\ms-python.debugpy-2025.10.0-win32-x64\bundled\libs\debugpy\launcher' '51062' '--' 'C:\Users\braya\Downloads\Tarea 1 DyADA\algoritmos1.py'
True
True
PS C:\Users\braya\Downloads\Tarea 1 DyADA>
```

BREAKPOINTS

- ☐ Raised Exceptions
- ☒ Uncaught Excep...
- ☐ User Uncaught E...

CHAT

Welcome to Copilot

Let's get started

Add context (#), extensions (@), com

Build workspace

Show project config

Review AI output carefully before use.