Elite-S009-Arrays

Solved Challenges **1/2**

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Sub-Array Sum

ID:11066   **Solved By 680 Users**

The program must accept an integer array of size **N** and an integer **S** as the input. The program must print **Yes** if any of the sub-arrays is having the sum of their elements as S. Else the program must print **No** as the output.

Boundary Condition(s):
$2 <= N <= 10^5$
1 <= Each integer value <= 1000

Input Format:
The first line contains N.
The second line contains N integers separated by a space.

Output Format:
The first line contains Yes or No.

Example Input/Output 1:
Input:
5
5 10 50 20 25
45

Output:
Yes

Explanation:
The integers in the sub-array which is having the sum of their elements as **45** are given below.
20 25

Example Input/Output 2:
Input:
6
4 7 1 5 4 6
14

Output:
No

Max Execution Time Limit: 100 millisecs

Ambiance

Python3 (3.x)   ⌄

Reset

```python
1  def subarr():
2      N = int(input())
3      arr =list(map(int,input().strip().split()))
4      S = int(input())
5
6      start=0
7      end =0
8      currSum = arr[start]
9      while(start<N and end<N):
10         if(currSum==S):
11             print("Yes")
12             return
13         elif(currSum<S):
14             end+=1
15             if(end<N):
16                 currSum = currSum+arr[end]
17         elif(sum(arr[start:(end+1)])>S):
18             currSum = currSum-arr[start]
19             start+=1
20     print("No")
21
22  subarr()
```

Code did not pass the execution   —   ✕

TestCase ID: 63266

Input:

6
4 7 1 5 4 6
14

Expected Output:

> **No**

Your Program Output:

```
Traceback (most recent call last):
  File "Hello.py", line 21, in
    subarr()
  File "Hello.py", line 15, in subarr
    currSum = currSum+arr[end]
IndexError: list index out of range
```

Save | Run

☐ Run with a custom test case (Input/Output)