You will be given arrays of integers and must determine whether there is an element that meets the criterion. If there is, return YES. Otherwise, return NO.

Function Description

Complete the balancedSums function in the editor below.

balancedSums has the following parameter(s):

• int arr[n]: an array of integers

Returns

• string: either YES or NO

Input Format

The first line contains T, the number of test cases.

The next $oldsymbol{T}$ pairs of lines each represent a test case.

- The first line contains $m{n}$, the number of elements in the array $m{arr}$.
- The second line contains n space-separated integers $\mathit{arr}[i]$ where $0 \leq i < n$.

Constraints

```
1 \le T \le 10
```

 $1 \leq n \leq 10^5$

 $1 \leq arr[i] \leq 2 imes 10^4$

 $0 \le i < n$

Sample Input

1 2 3

1 2 3 3

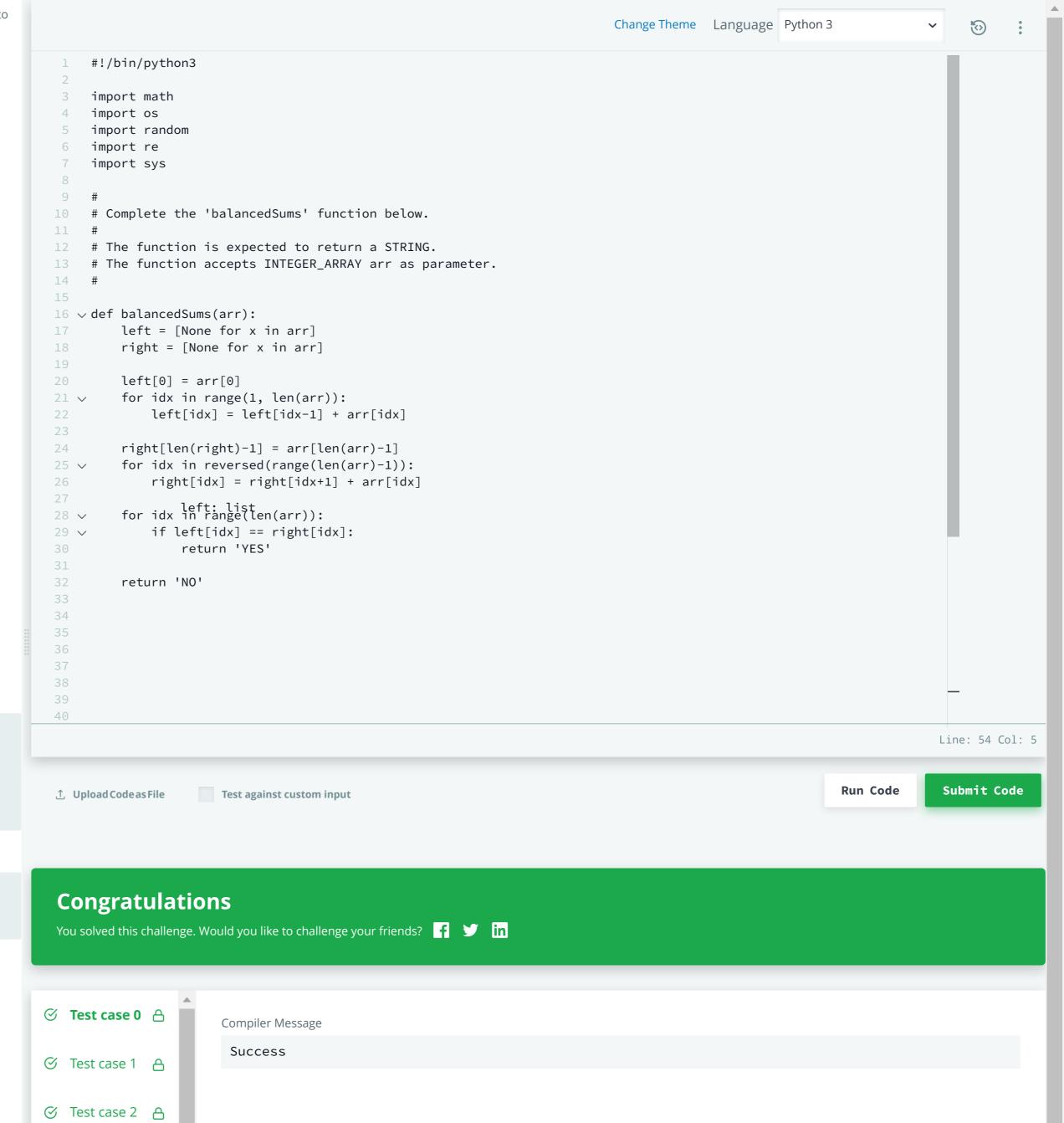
Sample Output

NO YES

Explanation

For the first test case, no such index exists.

For the second test case, A[0]+A[1]=A[3], therefore index $oldsymbol{2}$ satisfies the given conditions.



△Hidden Test Case

Unlock this testcase for 5 hackos.

Unlock