

Coding Arena



Change Default Language ▼

Time Left

00 **18** **08**
 hr min sec

 A B C **D** E F G H
Problem : Ram and Chocolates

Ram is a school boy. He has n good friends numbered from 1 to n . Let this be denoted by an Array A . The friend with higher array index is closer to Ram. It's his birthday today and hence he wants to distribute his birthday chocolates in a way such that $A[i+1]=A[i]+3$. Now he had n boxes numbered from 1 to n for each of his friend and his mother had filled them with some random number of chocolates, However Ram has made up his mind to distribute the the chocolates in the way described above. He wants to know if it is possible to re-arrange the chocolates in the boxes to have a distribution pattern he likes.

Input Format:

1. First line contains the number n denoting the number of boxes
2. Second line contains n space separated numbers denoting chocolates in each box.

Output Format:

- Output **Yes** if the rearrangement is possible followed by the minimum number of steps required to rearrange, delimited by whitespace
- Output **No** if such rearrangement is not possible.

Constraints:

1. $1 \leq n \leq 25$
2. $1 \leq A_i \leq 500$

Sample Input and Output

SNo.	Input	Output	Explanation
1	3 4 8 10	No	
2	5 6 10 11 16 17	Yes 2	Step1: 6 9 12 16 17 Step 2: 6 9 12 15 18

Note:

Please do not use package and namespace in your code. For object oriented languages your code should be written in one class.

Note:

Participants submitting solutions in C language should not use functions from `<conio.h>` / `<process.h>` as these files do not exist in gcc

Note:

For C and C++, return type of `main()` function should be `int`.

© 2017 Tata Consultancy Services Limited. All Rights Reserved.

Submit Answer

- ☒ I, YOKESH confirm that the answer submitted is my own.
- ☐ I would like to provide attribution to the following sources.

Select Language ▼

Select File

Browse...

Submit

