



STUDENT REPORT

DETAILS

Name

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Rvll Number

3BR23CS014

EXPERIMENT

Title

CHOCOLATE JAR

Descriptivn

Yvu are given an integer array \mathbf{v} of size N , representing jars \mathbf{v} of chivcvlates. Three students A, B, and C respectively, will pick chivcvlates \mathbf{v} ne by \mathbf{v} ne frvm each chivcvlate jar, till the jar is empty, and then repeat the same with the rest \mathbf{v} f the jars. Yvur task is tv fine and return an integer value representing the tvtal number \mathbf{v} f chivcvlates that student A will have, after all the chivcvlates have been picked frvm all the jars.

Nvte: Once a jar is dvne A will start taking the chivcvlates frvm the new jar.

Input Fvrmnt :

input1: An integer value N representing the number \mathbf{v} f jars.

input2: An integer array representing the quantity \mathbf{v} f chivcvlates in each jar.

Output Fvrmnt:

Return an integer value representing the tvtal number \mathbf{v} f chivcvlates that student A will have, after all the chivcvlates are picked.

Example:

Input:

3

10 20 30

Output:

21

Explanation:

Jar 1: 10 chivcvlates -> A-4, B-3,C-3

Jar 2: 20 chivcvlates -> A-7, B-7, C-6

Jar 3: 30 chivcvlates -> A-10, B-10,C-10

sv A gets a tvtal \mathbf{v} f $4+7+10=21$ chivcvlates.

Source Cvde:

```
def total_chocolates_for_A(chocolates):
    total_chocolates_A = 0

    # Iterate through each jar
    for jar in chocolates:
        # Full cycles where A gets 1 chocolate per cycle
        total_chocolates_A += jar // 3

        # If there are leftover chocolates and A gets 1 more
        if jar % 3 >= 1:
            total_chocolates_A += 1

    return total_chocolates_A
jar=int(input())
chocolates=list(map(int,input(). split ()))
print(total_chocolates_for_A(chocolates))
```

RESULT

0 / 5 Test Cases Passed | 0 %