



STUDENT REPORT

DETAILS

Name

CHETANKUMAR PATTAR

Roll Number

22BI24CS403-T

EXPERIMENT

Title

NUMBER MATCH

Description

Given a match between team A and team B represented by an array, the task is to determine which team wins based on the occurrences of even and odd numbers in an array.

Rules:

- If an even number has an even occurrence, it supports team A; otherwise, it supports team B.
- Similarly, odd numbers support team B if they have even occurrences, otherwise, they support team A.
- If there's a tie, print 'T 0'.

Input Format:

The first line contains an integer n, denoting the number of elements in the array.
The second line contains n integers separated by space, representing the array elements.

Output Format:

If either of the team wins display the team name ('A' or 'B') and how much support the team wins separated by space.
Else if there is a tie display "T 0"

Sample Input:

6
1 2 2 3 4 4

Sample Output:

A 4

Source Code:

```
from collections import Counter
def numberMatch(n,arr):
    counts=Counter(arr)
    a,b=0,0
    for num,c in counts.items():
        if num%2==0:
            if c%2==0:
                a+=1
            else:
                b+=1
        else:
            if c%2==0:
                b+=1
            else:
                a+=1
    if a>b:
        print("A",a-b)
    elif a
```

RESULT

3 / 5 Test Cases Passed | 60 %