# STUDENT REPORT

## DETAILS

### Name

S VIJAY

### Roll Number

3BR23AI138

## 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:

```
n=int(input())
l=list(map(int,input().split()))
a,b=0,0
for i in set(l):
    if i%2==0:
        if l.count(i)%2==0:
            a+=1
        else:
            b+=1
    else:
        if l.count(i)%2==0:
            b+=1
        else:
            a+=1
if a>b:
    print("A",a-b)
elif b>a:
    print("B",b-a)
else:
    print("T 0")
```

## RESULT

3 / 5 Test Cases Passed | 60 %