28°



DETAILS

Name

Teja V

Roll Number

3BR23EE104

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"

OA3BR23EE1OA3BR23EE1OA3BR23.

E.H.H. DOA, 2. SER. DOA, 2. SER

Sample Input:

122344

Sample Output:

A 4

3BR231

Source Code: 3BR23

```
3BR23EE104-Number match
def determine_winner(n, arr):
                from collections import Counter
                 count = Counter(arr)
                team_a_support = 0
                team_b_support = 0
                for num, occurrences in count.items():
                                 if num % 2 == 0:
                                                  if occurrences % 2 == 0:
                                                                  team_a_support += occurrences
                                                  else:
                                                                  team_b_support += occurrences
                                 else:
                                                  if occurrences % 2 == 0:
                                                                  team_b_support += occurrences
                                                  else:
                                                                  team_a_support += occurrences
                if team_a_support > team_b_support:
                                  return f"A {team_a_support}"
                elif team_b_support > team_a_support:
                                  return f"B {team_b_support}"
                else:
                                 return "T 0"
# Example usage
n = 6
arr = [1, 2, 2, 3, 4, 4]
                                                                                                                                                                                                                                                                                                                                                                                                                                             238EL 0438EL 043
result = determine_winner(n, arr)
print(result)
```

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