Logo

STUDENT REPORT

DETAILS

Name

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Roll Number

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EXPERIMENT

Title

ODD EVEN FINE ON CARS

Description

Problem Statement:
You are given a positive integer date and a positive integer array cars of size n, cars consists of car numbers which run on a date. Your task is to calculate the fine collection on that particular date as per the following conditions:
- If date is even, fine of 250 is charged on each odd numbered car running on that date
- If date is odd, fine is 250 is charged on each even numbered car running on that date.
Print the total fine charged.
Note:
- If cars is empty, print -1.
- Output lies within integral range.
Input format:
The input consists of three lines:
- The first line contains the integer date.
- The second line contains an integer, i.e., n.
- The third line contains n space-separated integers representing the elements of the array cars.
Output format:
Print the total fine charged. If cars is empty, print -1.
The output will be matched to the candidate's output printed on the STDOUT.
Constraints:
- 1 <= date <= 31.
- 1 <= n <= 10^3
- 1 <= cars[i] <= 10^5
Example :
Input :
6
8
9871 4687 9687 2096 8769 8476 2968 7174
Output:
1000
Explnation:

- Odd cars {9871, 4687, 9687, 8769}
- Even cars {2096, 8476, 2968, 7174}
Since, date is even, fine is on odd numbered cars. Fine = 4*250 =1000. Thus, output is 1000.

Sample input:
17
6

1012 6683 8471 3685 5452 8403

Sample Output:

500

Source Code:

```
date=int(input())
n=int(input())
if n==0:
    print(-1)
else:
    cars=list(map(int,input().split()))
    fine=0
    if date%2==0:
        for car in cars:
            if car%2!=0:
                fine+=250
    else:
        for car in cars:
            if car%2==0:
                fine+=250
    print(fine)
```

RESULT

5 / 5 Test Cases Passed | 100 %