The Fight that Matters

Joker is being beaten by some street thug, reasons unknown. Both of them started punching each other, due to which the Joker's health was decreasing whenever the thug punched him. While joker's health was increasing whenever he defended himself from an attack.

Each digit of the following series represents his health level for each attack and each defense. So, your task is to find the final health he is left with!

f(n) = - 1 + 2 - 3 + 4……+ ((- 1)^n)*n

Your task is to calculate the sum of the series for a given integer **N**.

Input:-

- The first line of the input contains a single integer ***T*** denoting the number of test cases. The description of ***T*** test cases follows.
- The next ***T*** lines contains an integer ***N.***

Output:-

- Print sum of the series for given n in a single line.

Constraints:-

- $1 \leq T \leq 10^5$
- $1 \leq N \leq 10^9$

Sample:-

- **Input:-**

2
5
4

- **Output:-**

-3
2

Time limit:- 1 second

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