Patterned Summation

You are developing a program to calculate a specific result based on a given number **N** and an *option*. The program needs to compute the result using alternating addition and subtraction operations according to the selected option.

Task

Write a function that takes two inputs:
- **N** A positive integer where $1 \leq N \leq 10000$
- **Option** : An integer indicating the option to choose the calculation method:
    - **Option = 1** Perform alternating addition and subtraction starting with subtraction.
    - **Option = 2** Perform alternating addition and subtraction starting with addition.

Your function should return the computed result based on the rules defined below.

Rules
- If Option = 1: Calculate the result using the formula:
  Result=N−(N−1)+(N−2)−(N−3)+…+1
        Example: N = 6 , Calculate 6−5+4−3+2−1=3

- If Option = 2: Calculate the result using the formula:
  Result=N+(N−1)−(N−2)+(N−3)- …..−1
        Example: N = 6, Calculate 6+5−4+3−2+1=9

Instructions
1. Implement the function in your preferred programming language.
2. Test your function with different values of N and Option to ensure it correctly computes the expected results.
3. Consider edge cases such as N= 1 and the maximum allowed value of N.

Test Case 1
Given N=6 and Option = 1
- Expected Result: 3
- Explanation: 6−5+4−3+2−1=3

Test Case 2
Given N=6 and Option = 2
- Expected Result: 9
- Explanation: 6+5−4+3−2+1=9