**Description:**  
Given an array of integers, find the maximum sum of a contiguous subarray where consecutive elements alternate in sign (positive, negative, positive, etc., or vice versa).

**Example:**Input: [1, -2, 3, -4, 5, -6]  
Output: 9  
Explanation: The subarray [1, -2, 3, -4, 5] has a maximum alternating sum of 9.

**Input Format:**

* A single line contains space-separated integers.
* 1≤number of elements≤1031 \leq \text{number of elements} \leq 10^31≤number of elements≤103
* −103≤each element≤103-10^3 \leq \text{each element} \leq 10^3−103≤each element≤103

**Output Format:**

* A single integer representing the maximum sum of any alternating-sign contiguous subarray.

**Sample Test Cases:**

1. **Input:** [-1, 2, -3, 4, -5, 6]  
   **Output:** 9
2. **Input:** [5, -3, 2, -1, -2, 4]  
   **Output:** 7