Prompt   Scratchpad   Our Solution(s)   Video Explanation   Run Code

Your Solutions   Run Code

Solution 1

```csharp
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using System;
public class Program {
  // O(n) time | O(1) space
  public static int KadanesAlgorithm(int[] array) {
    int maxEndingHere = array[0];
    int maxSoFar = array[0];
    for (int i = 1; i < array.Length; i++) {
      int num = array[i];
      maxEndingHere = Math.Max(num, maxEndingHere + num);
      maxSoFar = Math.Max(maxSoFar, maxEndingHere);
    }
    return maxSoFar;
  }
}
```

Solution 1   **Solution 2**   **Solution 3**

```csharp
public class Program {
  public static int KadanesAlgorithm(int[] array) {
    // Write your code here.
    return -1;
  }
}
```

Custom Output   Raw Output   Submit Code

```csharp
public class Program {
  public static int KadanesAlgorithm(int[] array) {
    // Write your code here.
    return -1;
  }
}
```

Run or submit code when you're ready.