Kadanes Algorithm

October 2, 2022

```python
# Kadanes ALGO: Dynamic
# Dont add numbers less than zero. Add the rest of the numbers
# Ensure MaxSum is the largest int possible and return MaxSum
class Solution:
    def maxSubArray(self, nums: list[int]) -> int:
        curr_sum = 0
        Max_sum= float('inf')
        for i in range (0,len(nums)):
            curr_sum= curr_sum + nums[i]
            if curr_sum > Max_sum:
                Max_sum = curr_sum
            if curr_sum < 0:
                curr_sum = 0
        return Max_sum
```