**Input:** [-2,1,-3,4,-1,2,1,-5,4],

**Output:** 6

**Explanation:** [4,-1,2,1] has the largest sum = 6.

|  |  |  |
| --- | --- | --- |
|  | Nums[index] < 0 |  |
| currentState < nums{index] | currentState = nums[index] | Reset – found higher number still less than 0 |
| currentState > nums[index] | If currentstate < 0  CurrentState = nums[index] | Reset – end of sequence, starting again |
|  | Else  Add nums[index] to currentstate |  |

If currentState > maxNumber then maxNumber = currentState

|  |  |  |
| --- | --- | --- |
|  | Nums[index] > 0 |  |
| currentState < 0 | currentState = nums[index] | Start new sequence with first positive number |
| currentState > 0 | Add nums[index] to currentState |  |

If currentState + nums[index] < 0