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Test cases (including the edge cases): input: [0], output: 0 input: [1, -2, -3], output: 1 input: [-1, -2, 3], output: 3 input: [1,20,-100,40,25,-80,60] output: 65	time complexity: O(n) space complexity: O(1)
| ```
// there is at least one positive integer in nums[]
// so res > 0
int max_subArray(int[] nums) {
    int res = Integer.MIN_VALUE;
    int sum = 0;
    for (int num: nums) {
        sum += num;
        if (sum < 0)
            sum = 0;
        res = Math.max(res, sum);
    }

    return res;
}
``` | |