

Please complete the following from the CLRS book:

- 2.3-3
- 2.3-4
- 2.3-6
- 2-4
- 3-3
- 3-4
- 4.1-3

Additionally, please solve the following problem:

### 0.1 Problem 1

You are calling  $\text{FIND-MAXIMUM-SUBARRAY}(A, 1, 8)$  on an array of 8 elements (see the code in page 72 in the CLRS book). Write down the state of the operating system stack after each recursive call (you should begin with an empty stack and end with an empty stack).