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 merge sort on an array of 8 elements, i.e., you are calling merge-sort(A, 1, 8). Write down the state of the operating system stack after each recursive call.

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