Problem 1. Categorize the result intervals into several groups and retrieve them separately.

Problem 2. Discuss how to use the external interval tree to solve the problem directly.

Problem 3. Use the external interval tree as the base tree. For the middle structure, consult Exercise 1 of List 3. For the left structure, consult Exercise 3 of List 4.

Problem 4. Try to rebuild the secondary structures of a node in linear I/Os.