

Extra set of problems

*Assigned: May 1**Will not be collected*

From the textbook, variation of the following problems might appear on the final. No solutions for this set of problems will be posted.

1. Describe an efficient algorithm that, given an undirected graph G , determines a spanning tree of G whose largest edge weight is minimum over all spanning trees of G .
2. 23.2-2 on page 573 in textbook. Present the pseudocode.
3. 24.3-2 on page 600 in textbook. Show a counterexample!
4. 24.3-4 on page 600 in textbook. Present the pseudocode or the reduction.
5. 25.2-6 on page 635 in textbook.
6. 26.2-9 on page 664 in textbook. Present the pseudocode, but feel free to incorporate procedures from the book. Don't forget to argue correctness.
7. 26-4 on page 694 in textbook. Present the reduction, pseudocode and proof.