

Network Optimization - Homework I

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1 Instructions

1. The homework is due on October 3, in class. Each question is worth 6 points.
2. Attempt as many problems as you can. You will be given partial credit, as per the policy discussed in class.

2 Problems

1. (i) Problem 1.8, Pg. 42 of [Ber98]. (3 points.)
(ii) Problem 1.10, Pg. 42 of [Ber98]. (3 points.)
2. Problem 2.10, Pg. 103 of [Ber98].
3. Problem 2.22, Pg. 108 of [Ber98].
4. Problem 2.30, Pg. 111 of [Ber98].
5. Problem 3.12, Pg. 144 of [Ber98].

References

[Ber98] Dimitri P. Bertsekas. *Network Optimization: Continuous and Discrete Models*. Athena Scientific, first edition, 1998.