BU CLA CS 530: Analysis of Algorithms

Spring 1999

Problem Set 9

Due Thursday March 25, by 5:00 pm, in my mailbox in the main office of the CS department. Late submissions not accepted.

---

1. (a) Exercise 28.2-2, page 641, in [CLR].

   (b) Generalize your argument in part (a) to show that, in order to test whether a given n-element permutation is correctly sorted by an n-input comparison network, it suffices to test the network on $n - 1$ sequences of 0's and 1's.

2. Exercise 28.3-2, page 645, in [CLR].

3. Exercise 28.5-1, page 650, in [CLR].

4. Exercise 28.5-2, page 650, in [CLR].

Created: 99.03.18