

CSE 431  
Introduction to Theory of Computation  
Homework #8  
Due: Friday, June 4, 2010

W. L. Ruzzo

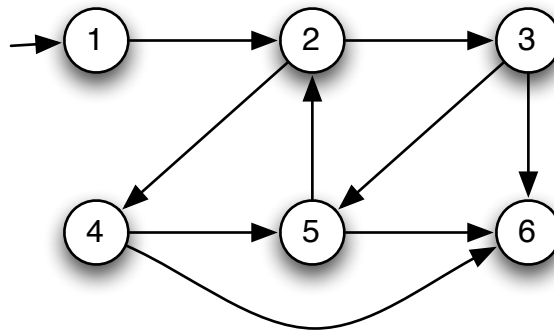
28 May 2010

In contrast to the usual late policy, I won't take late submissions this week.

**Suggestion:** Work, but do NOT hand in Exercises 8.6, 8.12.

**Homework Assignment:**

1. 8.3, *except*: (a) use the graph below instead of the one in the book, and (b) explicitly show the full "game tree," as sketched in lecture on 5/28. Phrase your justifications of whether a given player has/does not have a winning strategy, and your description of such a strategy in terms of the tree.



2. 8.9.  
**Extra credit:** Prove that it is PSPACE-complete.
3. 8.11