

# CSE 2331 - Problem Set 7

## Due beginning of lecture on November 22nd

Problem numbers are from the third edition of “Introduction to algorithms”. If unsure about which problem to solve, ask. Collaboration is permitted; looking for solutions from external sources (books, the web, etc.) is prohibited.

1. 22.4-1
2. Consider the graph from 22.4-1. Suppose that the edge from  $z$  to  $m$  is added. Prove that the resulting graph cannot be topologically sorted.