

Assignment 5 – due Wednesday, October 22nd

Reminder: The assignment is due at 11:59pm on Wednesday, October 22. To hand in the assignment, upload it to the course directory using the provide online submission system.

Please use one file per question, unless noted otherwise.

Question 1 – Planning – 50 points

1. Exercise 11.1 (p.412) – 10 points
2. Exercise 11.13 (p.414) – 20 points
3. Exercise 11.11 (p.414) – 20 points

Question 2 – Uncertainty in Reasoning – 50 points

1. Exercise 13.18 (p.491) – 25 points
2. Exercise 14.2 (p.533–534) – 25 points
For this question, part b, a **polytree** (also called a singly connected graph) is a network in which there is *at most one undirected path* between any two nodes.

Extra credit

Exercise 14.3 (p.534), parts **a** and **b**.