

Instructions:

All parts of this homework are due on Thursday September 30, 2021 at 11:59PM EST.

Part 1 can be found under the Quizzes tab on myCourses.

Part 2 must be completed and solutions must be uploaded to the Assignments dropbox on myCourses as one pdf file following the instructions on the syllabus.

Part 3 is a recommended set of problems.

Part 1

Take the HW5–Part1 quiz on myCourses.

Part 2

All questions are worth 10 points. For full points your solutions must be fully justified.

1. Find a BFS tree and DFS tree for $K_{n,n}$.
2. Exercise 4.26
3. Exercise 4.28
4. Exercise 4.30

Part 3 (Recommended problems)

5. Exercise 4.15
6. Exercise 4.25
7. Exercise 4.27
8. Exercise 4.29
9. Exercise 4.31