

Due Friday, March 7, 2014

Students in section X13 (three credit hours) need to solve any four of the following five problems. Students in section X14 (four credit hours) must solve all five problems.

1. 2.2.8 in the book.
2. Calculate $\tau(K_{2,4})$ using the Matrix Tree Theorem. How many non-isomorphic spanning trees are contained in $K_{2,4}$?
3. 2.2.17 in the book.
4. 3.1.13 in the book.
5. 3.1.18 in the book.

Problems below review basic concepts and their ideas could be used in the tests.

WARMUP PROBLEMS: Section 2.3: # 1, 2, 3.

Section 3.1: # 1, 2, 3, 4, 6.

OTHER INTERESTING PROBLEMS: Section 2.2: # 12.

Section 2.3: # 6, 14, 15.

Section 3.1: # 9, 10, 15.