

Due Friday, February 14, 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. # 1.3.41 in the book.
2. # 1.3.57 in the book.
3. Using directed graphs, find a cyclic arrangement of 32 binary digits such that the 32 strings of 5 consecutive digits are all distinct.
4. # 1.4.22 in the book.
5. # 1.4.36 in the book.

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

WARMUP PROBLEMS:

Section 1.3: # 1, 2, 4, 5, 8, 9, 12.

Section 1.4: # 1, 3

OTHER INTERESTING PROBLEMS:

Section 1.3: # 24, 32, 44, 52, 59, 63.

Section 1.4: # 22, 23, 26, 28, 29, 37.