ASSIGNMENT 4

DMC (Discrete Mathematics and Computing) is the class textbook.

Warm Up (do before recitation lab)

1. DMC Problem 3.22(g)
2. DMC Problem 5.5(e)
3. DMC Problem 5.27(a)
4. DMC Problem 6.15
5. DMC Pop Quiz 7.11
6. DMC Problem 7.22(a)

Recitation Lab (TA will work these out in lab)

1. DMC Exercise 7.12(a)
2. DMC Problem 7.22(b)–(d)
3. DMC Exercise 6.7(a) and (b)
4. DMC Problem 5.11(a)
5. DMC Problem 5.37

Hand in Problems

1. [10] DMC Exercise 7.12(b)
2. [10] DMC Problem 8.6(a)
3. [20] DMC Problem 6.17
4. [20] DMC Problem 7.23
5. [20] DMC Problem 5.36

The Engineer, The Computer Scientist and The Mathematician.

On a train to a conference in Scotland, an engineer, computer scientist and mathematician are riding the train to a conference on logic. They all observe through the window a black sheep on the hillside.

Engineer: “Sheep in Scotland are black.”
Computer Scientist: “No, there is at least one sheep in Scotland that is black.”
Mathematician: “No, there is at least one sheep in Scotland that is black on at least one side.”