

University of South Carolina
Math 574: Discrete Mathematics I
Section 001
Summer I 2012

Homework Set 5

Pre-Class Homework Due: 6-4
Post-Class Homework Due: 6-11

Section 4.6 - Indirect Argument: Contradiction and Contraposition

Before Class

- Read from the beginning of the section through Example 4.6.2.
- What is the general strategy for proving $P(x) \Rightarrow Q(x)$ by contradiction?
- Read the “Argument by Contraposition” section through Example 4.6.4.
- What is the general strategy for proving $P(x) \Rightarrow Q(x)$ by contraposition?

After Class

- # 7, 12, 15, 20, 25
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Section 4.7 - Indirect Argument: Two Classical Theorems

Before Class

- Nothing for today.

After Class

- # 15, 28