

Week 1 HW

1. Larsen and Marx (5th ed) Problems 2.2.10, 2.2.11, 2.2.12, 2.2.22, 2.2.26, 2.2.39, 2.3.5, 2.3.15.
2. Suppose a coin is tossed N times. If we see 5 heads or 5 tails, we say the tosses form an *auspicious event*.
 - (a) What is the minimum value of N so that the auspicious event will occur with 100 percent probability?
 - (b) What is the minimum value of N so that the auspicious event will occur with 50 percent probability?