CS494/594
Bioinformatics Computing

Challenge #4

For two of these questions, please use the dishonest casino parameters for Hw #3: the casino is always fair at the start (i.e., at t=0, Pr(F) = 1 & Pr(L) = 0), and shifts to another state with probability 0.05,

Question #1:

Given the model above, what is the probability of observing these four rolls: 1663

Question #2:

What is the most likely state sequence that generates the three rolls: 661?

Question #3:

What is wrong with the Hidden Markov model on slide #6 in Lecture 9?