

Lab 1: Modeling Packet Losses

Zhipeng Ye

April 3, 2020

1 Hidden Markov Model

Gilbert-Elliott Model is packet loss model which is based on two-state Hidden Markov Model. In other words, Gilbert-Elliott Model is a simply version of Hidden Markov Model. Therefore, It's necessary to learn more about Hidden Markov Model to understand Gilbert-Elliott Model completely.

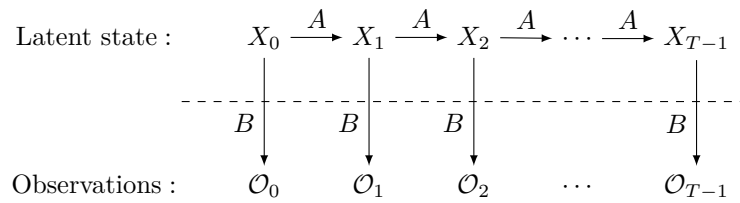


Figure 1: Hidden Markov Model

2 Gilbert-Elliott Model

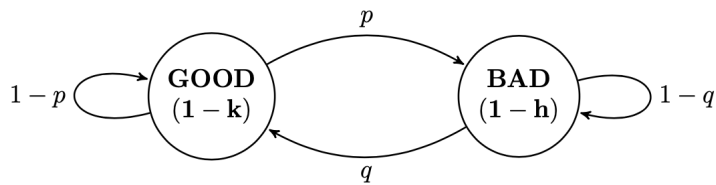


Figure 2: Gilbert-Elliott Model