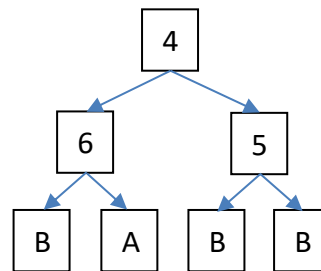
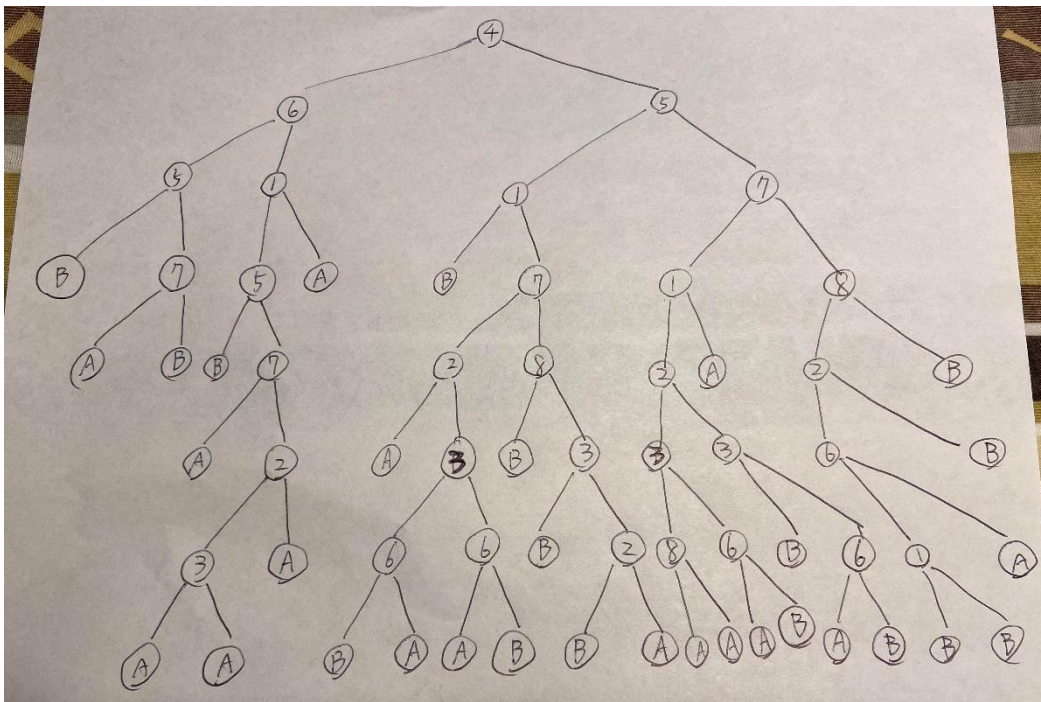


## CSCI 630 HW3-P - Michael Lee (ml3406)

1. (true => left; false => right)



The image below shows the decision tree I got using my program without limiting the level (pruning is not performed).



2. a. error rate (first stump) =  $36 / 200 = 0.18$

b. hypothesis weight (first stump) =  $\log_2\left(\frac{1-0.18}{0.18}\right) \approx 2.19$

c.  $1/n = 1/200 = 0.005$

d. correct: 0.003

incorrect: 0.014