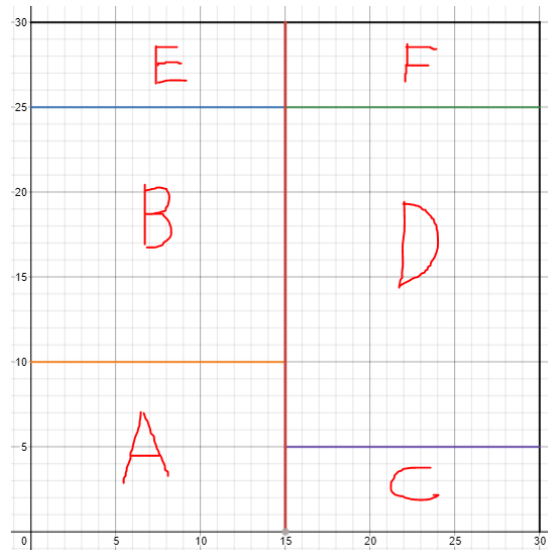
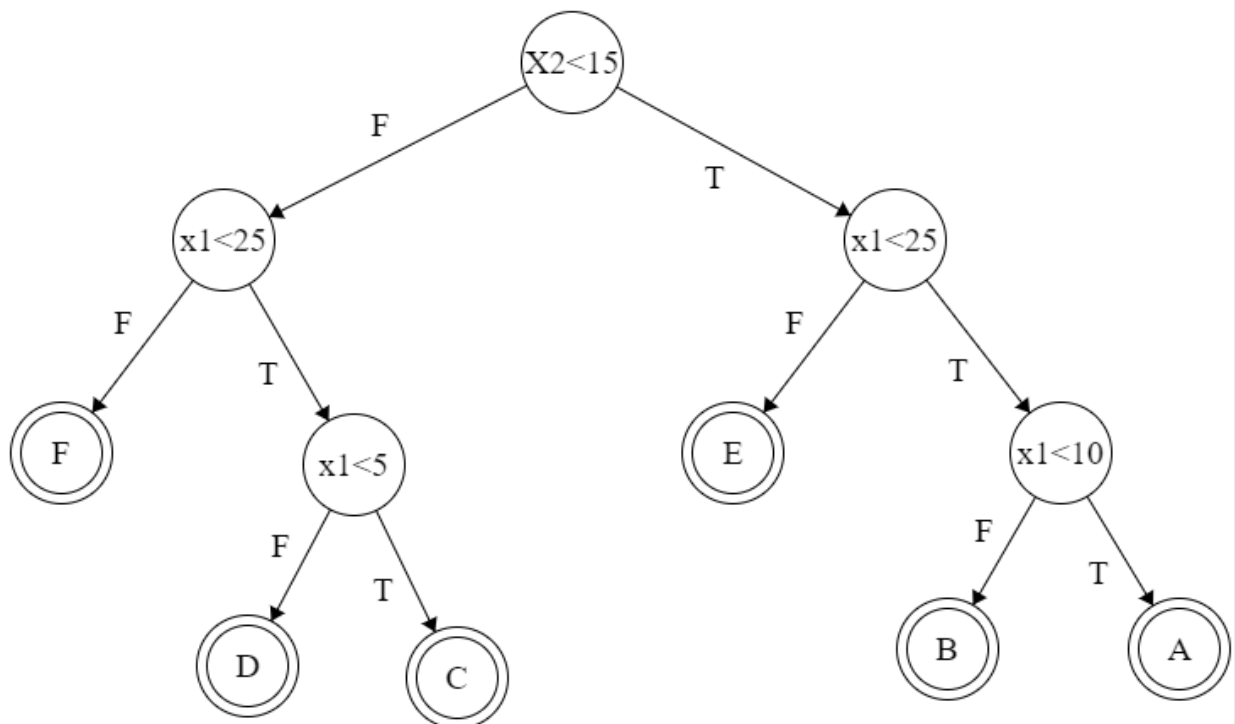


1.

a.

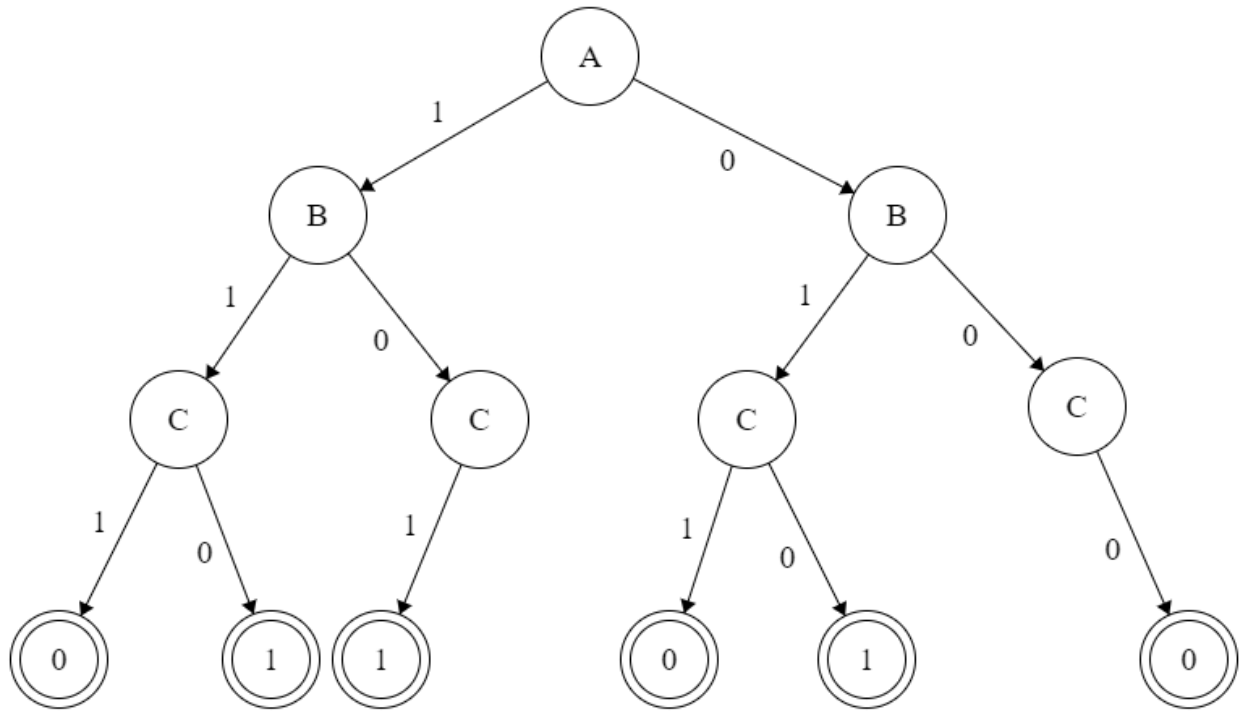


b.



c. Harder: trying to find the most accurate by making a tree with the least necessary visits and redundant checks.

2.



When A is 1 =  $2/6$  | When A is 0 =  $1/6 = 0.959 - 0.918 = 0.041$

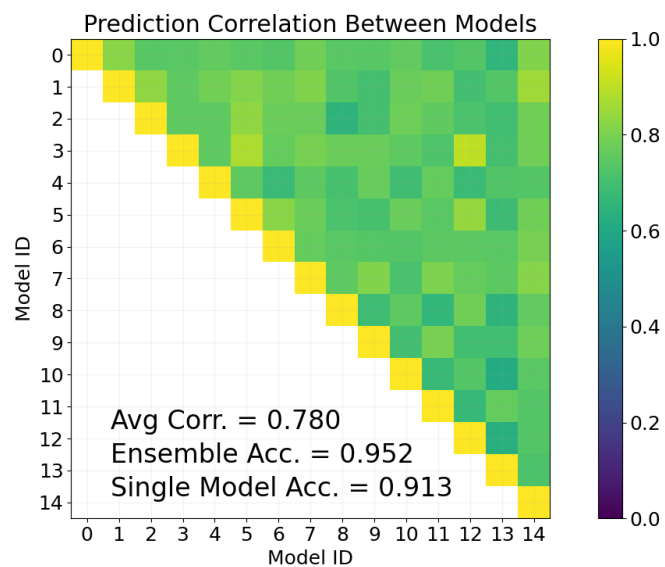
When B is 1 =  $2/6$  | When B is 0 =  $1/6 = 0.959 - 0.918 = 0.041$

When C is 1 =  $1/6$  | When C is 0 =  $2/6 = 0.959 - 0.918 = 0.041$

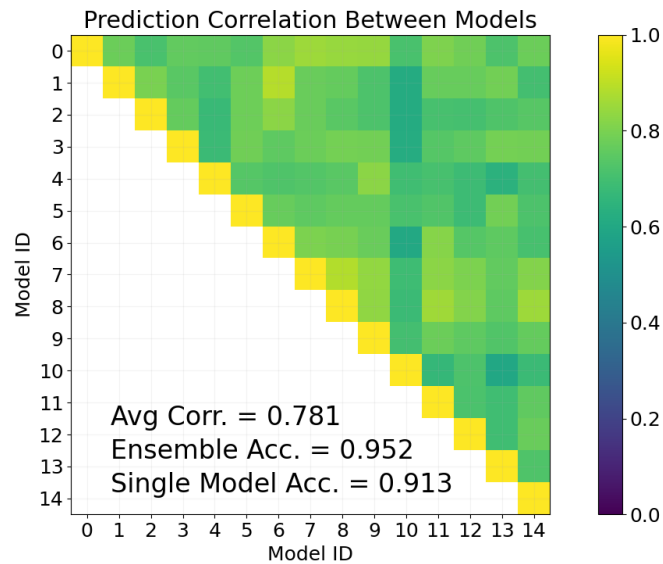
$$H(Y) = -\frac{3}{6}\log_2\frac{3}{6} - \frac{3}{6}\log_2\frac{3}{6} = 0$$

3.

a. Corr is reduced because some samples could have been picked multiple times.



b. Setting 9 subsets to be picked by max\_features during classifier



1.

11/27 = 3.6 hours

1:00pm - 2:30pm

4:40pm - 5:30pm

11/28 = 2.3 hours

10:45am - 11:45am

5:10pm - 6:30pm

12/1 = 5.0 hours

4:50pm - 7:00pm

7:50pm - 8:30pm

10:10pm - 12:30am

12/2 = 3.1 hours

5:00pm - 6:00pm

7:20pm - 9:30pm

2. It is probably easy but I don't understand anything and I can't learn anymore. I failed this class and can't make a comeback at this point.
3. Alone, I asked a few questions to the professor. I tried to ask a friend for help but it showed me that I just don't know enough to try to finish this assignment.
4. 1%
5. I am too overwhelmed and uninterested in this subject to be proficient enough to pass it.