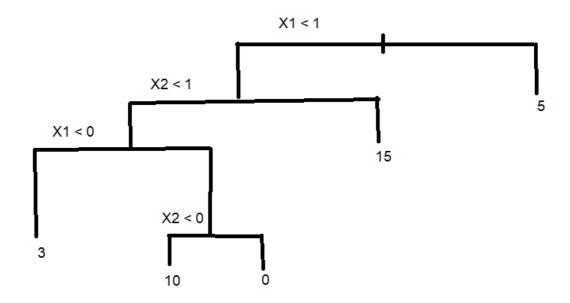
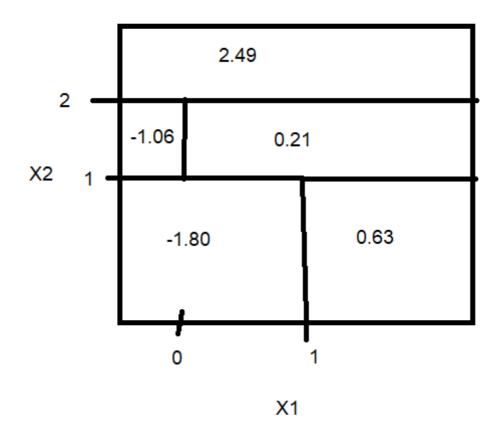
a)



b)



Q5 majority vote: no, no, no, no, yes, yes, yes, yes, yes, yes -> **final RED** average probability : (0.1+0.15+0.2+0.2+0.55+0.6+0.6+0.65+0.7+0.75)/10 = 0.45 => **final GREEN** 

- 1. We divide the predictor space that is, the set of possible values for X1,X2,...,Xp into J distinct and non-overlapping regions, R1,R2,...,RJ
- 2. For every observation that falls into the region Rj, we make the same prediction, which is simply the mean of the response values for the training observations in Rj.