

Bruce Campbell ST-617 Homework 4

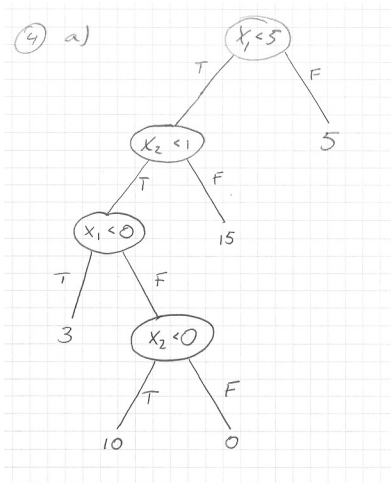
Tue Jul 19 09:18:03 2016

```
rm(list = ls())  
set.seed(7)
```

Chapter 8

Problem 4

This question relates to the plots in Figure 8.12. ### a) Sketch the tree corresponding to the partition of the predictor space illustrated in the left-hand panel of Figure 8.12. The numbers inside the boxes indicate the mean of Y within each region.



b)

Create a diagram similar to the left-hand panel of Figure 8.12, using the tree illustrated in the right-hand panel of the same figure. You should divide up the predictor space into the correct regions, and indicate the mean for each region.

