Bayes Exercise 3

An observer with d' = 1.5 does a signal detection task in three different conditions.

- In Condition 1 50% of the trials contain a signal
  In Condition 2 95% of the trials contain a signal
  In Condition 3 15% of the trials contain a signal

Assume equal variance SDT model and maximum a posteriori decision rule. What value for the criterion do we expect in each condition?