Final Exam: (QV Level 1 of impunty: Ip = P(E)*(1-P(E) + (PM)*(1-P(M)) + P(T)*(1-P(T)) + P(G)*(1-P(G)) => (2/1) (1-2/7) + (1/1) (1-1/1) + (2/1) (1-2/1) + (2/2)(1-2/2) => (0.28)(0.71) + (0.44)(0.85) + (0.28)(0.71) + (0.25)(0.71) Ip => 0.7154 Average _ Ip => (1/7) * Ip => 1 (0.7154) Level 2: Impurity Left subtree: Ip=> P(T)* (1-P(T) + P(G)* (1-P(G))

Subtree 2:

