Question !: Entropy of the target taste

$$P(tuste = meh) = 5/10$$

 $P(tuste = yummy) = 5/10$

Question 2:

Entropy of Visual Defects at root

Entropy (Taste some) = $-(3/3\log_2 3/3 + 0/3\log_2 0/3) = 0$ Entropy (Taste none) = $-(2/4\log_2 2/4 + 2/4\log_2 2/4) = 1.0$ Entropy (Taste nany) = $-(9/3\log_2 0/3 + 3/3\log_2 3/3) = 0$

10 - (3100) + 410(10) + 310(0) 10 - (0 + 4 + 0) 10 - .4 = 6

Information Grain (Visual Defects)=

Question 3: Entropy of visual defects some & none w respect to taste

H (Taste | Visual defect: some)=

H (Taste | Visual defeat: none)=

- (2/4/0922/4+2/4/0922/4)=10