0) A11-B

ADB

An 20) = 3 log (3) - 3 log (3)

= loy(3)(-1)

(B b) AV(-BNC)

and 
$$E(0; t) = -\frac{2}{4}log(\frac{2}{4}) - \frac{2}{4}log(\frac{2}{4})$$

$$= log(\frac{2}{4})(-1) = log(\frac{2}{4})$$

$$= (a_2 = F = -\frac{1}{2}log(\frac{2}{4}) - \frac{1}{2}(log(\frac{1}{4})) = 1$$
Therefore
$$Gain = 1 - \frac{1}{6}(1) - \frac{2}{6}(1) = 1 - \frac{2}{3} - \frac{1}{3} = 0$$

An 3 of the data and is increasing in an occurate way and cows all possible subject then it is return a different true which will be bog cally equivalent to the rol begod representation. This true worth let the Dame but in beginning equivalent.

As n ->00, decision here information gain ->1

= 0

