Income = high, Mediem, low Homework Info Stadent 2 yes Credit 2 tair, Excellent Age = 30 Info (D) = I c2, 3) = -2/5 log 2/5 - 3/5 log 3/5 Info income CO) =  $\frac{2}{5}$  I (0,2) +  $\frac{2}{5}$  I (1,1) +  $\frac{1}{5}$  I (1,0) Info std (0) = 2/5 I(2,0) + 3/5 I(0,3) Info endit (0) = 3/5 I (1,2) +2/5 I (1,1) Info (D) = I (4,0) = -4/4 log, 4/4 - 0/4 log 2 /4 Age 31-40 Info income CD) =  $\frac{2}{4}$  I ( 1,1) +  $\frac{1}{4}$  I (0,1) +  $\frac{1}{4}$  (1,0) Info std (0) = 2/4 I (2,0) + 2/4 I (2,0) Info credit (0) 2/4 I (2,0) + 2/4 I (2,0) I (3,2) = -3/5 log 2 3/5 - 2/5 log 2/5 Info (D) Age > 40 = 3/5 I (2,1) + 2/5 I (3,1) Info income CO) Info std (0) : 3/5 I (2,1) + 2/5 I (1,1) Info endst (0) = 3/5 [ (3,0) + 2/5 [ (0,2)