



(S2) (DP(a:0) is given by 0.192+0.144+0.048+0.216 = O.6 =) P(a=1)=0.4 P(b=0) is quies by 0.592=)P(b=1)=0.408 =: P(q=0) and P(b=0) is guin ley, P(a=0)P(b=0) = 0.6 × 0.592 = 0.3552 Also, P(a:0,b=0) = 0.192+0.144 = 0.336 Here P(0=0)P(b=0) + P(0=0, b=0) (2) Nove, for C=0, P(C=0)=0-192+0.098+0.192+0.098=0.48 P(C=1) = 1-P(C=0) = 0.52 (3) P(a=0, c=0) = 0.192 +0.048 = 0.24 : P(a:0/e:0) = P(a=0, c=0)/P(c=0) = 0.24/0.48=0.5 111 dy P(b=0, (=0) = 0.384 P(b=0/c=0)=0.384/0.48=0.8/ :. P(b-0|c=0)P(a=0|c=0)=0.5×0.8=0.4/1 P(a=0,b=0, (=0) = 0.192 :. P(a=0, b=0/c=0) = P(a=0, b=0, (=0)/R(c=0) = 0.42/0.48 Home proved that the valuerous equal