Test Age 31-40, income high, stuyes, fair P(C) = P(buy computer = "yes") = 9/14 = 0.145 P(buys_computer="no1) = 5/14 = 0.357 · Compute P(XIC, I for each class Plage = "31-40" | buys_computer = "yes!) - 419 - 0.444 7 11 20 455 Plage - "31-40" | buys computer = "no") = 0 - 1 = 0.143 Plincome = "high 1 | boy 5 _ computer = "yes") = 2/9 = 0.222 Plincome = "high 1 lbuys _ computer = "no") = 2/5 = 04 Plstudent = "yes 1 | buys = compuler = "yes") = 6/9 20 167 Pistudent = "yes 1 | buys _ computer = "no") = 15 = 0.2 Pccredit_rating="fair 1 | buy 5 computer="yes") = 6/9 = 0.667 Plcredit_rating= "fair 1 1 buy s _ computer = " no") = 2/5 = 0.4 P(X1C,) = P(X 1 buys computer = "yes") = 0 45 5 x 0 222 - 0 667 - 0667 = 0.045 P(X by s_camputer - "no")=0.143 x 0 4 + 0 2 x 0.4 = 0.002 P(x(c;) * P(C;): P(x | buys computer = "yes") * P(x | buys computer = "yes") -0045×0 643 - 0029 P(X | bvys computer - no 1 + P(X | bvys computer - no 1) = 0.002 × 0.35 7 + 0.001 'yes"