input < Age 31-40, income = high, stu = yes, credit_rating = fair >

$P(C_i)$: P (buys_computer = "yes") = 9/14 = 0.643

P (buys_computer = "no") = 5/14 = 0.357

computer $P(X|C_i)$ for each class

P (age = 31-40 | buys_computer = yes) = 4/9 = 0.44 +1 = 1.44
P (age = 31-40 | buys_computer = no) = 0 +1 = 1
P (income = high | buys_computer = yes) = 2/9 = 0.22 +1 = 1.22
P (income = high | buys_computer = no) = 2/5 = 0.4 +1 = 1.4
P (stu = yes | buys_computer = yes) = 5/9 = 0.56 +1 = 1.56
P (stu = yes | buys_computer = no) = 1/5 = 0.2 +1 = 1.2
P (credit_rating = fair | buys_computer = yes) = 6/9 = 0.67 +1 = 1.67
P (credit_rating = fair | buys_computer = no) = 2/5 = 0.4 +1 = 1.4

$P(X|C_i)$: P (X|buys_computer = yes) = 1.44 × 1.22 × 1.56 × 1.67 = 4.58
P (X|buys_computer = no) = 1 × 1.4 × 1.2 × 1.4 = 2.35

buy = yes = 4.58 × 0.643 = 2.94
no = 2.35 × 0.357 = 0.84

∴ ซื้อคอมพิวเตอร์ #