<=30

input Age 31-40, incom = high, studn = yes, fair

P(Ci): P(buy_com="yes") = 9/14

P(buy = "no") = 5/14

X = (Age 31-40, incom = high, studn = yes

credit_rating = Fair)

P(age = "31-40" | buy = "yes") = 4/9

buy = "no") = 0/5* → 1/8

P(incom = high | buy = "yes") = 2/9

buy = "no") = 2/5

P(studn = yes | buy = "yes") = 6/9

P(student = yes | buy = "no") = 1/5

P(credit = fair | buy = "yes") = 6/9

P(Credit = fair | buy = "no") = 2/5

$P(X|C_i)$: $P(X|\text{buy} = \text{"yes"}) = \frac{4}{9} \times \frac{2}{9} \times \frac{6}{9} \times 6/9 = 0.439$

$P(X|\text{buy} = \text{"no"}) = \frac{1}{8} \times \frac{2}{5} \times \frac{1}{5} \times \frac{2}{5} = 0.004$

$P(X|C_i) * P(C_i)$: $9/14 \times 0.439 = 0.2822$ ✓

: $5/14 \times 0.004 = 0.00143$

ดังนั้น X จะอยู่ในกลุ่ม ("buy_computer = "yes")