age	income	student	credit_rating	buys_computer
<=30	high	no	fair	no
<=30	high	no	excellent	no
31…40	high	no	fair	yes
>40	medium	no	fair	yes
>40	low	yes	fair	yes
>40	low	yes	excellent	no
31…40	low	yes	excellent	yes
<=30	medium	no	fair	no
<=30	low	yes	fair	yes
>40	medium	yes	fair	yes
<=30	medium	yes	excellent	yes
31…40	medium	no	excellent	yes
31…40	high	yes	fair	yes
>40	medium	no	excellent	no

โจทย์ : input Age 31-40 , income = high , student =yes, credit_rating = Fair

- $P(C_i)$: P(buys_computer = “yes”) = 9/14 = 0.643
  P(buys_computer = “no”) = 5/14= 0.357

P(X|C) ในแต่ละคลาส

P(age = “31-40” | buys_computer = “yes”) = 4/9 (บวก 1กับเศษ,2กับส่วน) = 5/11 = 0.45

P(age = “31-40” | buys_computer = “no”) = 0/5 (บวก 1กับเศษ,2กับส่วน) = 1/7 = 0.14

P(income = “high” | buys_computer =”yes”) = 2/9

P(income = “high” | buys_computer =”no”) = 2/5

P(student = “yes” | buys_computer =”yes”) = 6/9

P(student = “yes” | buys_computer =”no”) = 1/5

P(credit_rating = “fair” | buys_computer =”yes”) = 6/9

P(credit_rating = “fair” | buys_computer =”no”) = 2/5

X = Age 31-40 , income = high , student =yes, credit_rating = Fair

P(X | buys_computer = “yes”) = 5/11*2/9*6/9*6/9 = 0.044

P(X | buys_computer = “no”) = 1/7*2/5*1/5*2/5 = 0.0045

P(X | buys_computer = “yes”) * P(buys_computer = “yes”) = 0.45*0.044 =0.0198

P(X | buys_computer = “no”) * P(buys_computer = “no”) = 0.00063

ตอบ (yes เพราะมีค่า P มากสุด) (643020514-7_ภูริศ เครือชารี)