1. คนอายุ 35 ที่ทำงานธนาคารและมี credit ดีมาก จะซื้อคอมมั้ย

P(age = “31…40”|buys_computer = ‘yes”) = 4/9 = 0.444

P(age=”31…40”|buys_computer = “no”) = 0

P(student=”yes”|buys_computer = “yes” = 7/9 = 0.778

P(student= “yes”|buys_computer = “no” = 1/5 = 0.2

P(stundet=”no”)|buys_computer = “yes” = 3/9 = 0.333

P(age = “excellent”| buys_computer=”yes”) = 3/9 = 0.333

P(age = “excellent”|buys_computer=”no”) = 3/5 = 0.6

X = (age 31…40, student = no, credit_rating = excellent)

$P(X|C_i)$: P(X|buys_computer = “yes”) = 0.444x0.778x0.333 = 0.115

P(X|buys_computer = “no”) = 0

$P(X|C_i) * P(C_i)$: P(X|buys_computer = “yes”) * P(buys_computer = “yes”) = 0.074

P(X|buys_computer = “no”) * P(buys_computer = “no”) = 0

X belongs to class (buys_computer = “yes”)

2. คนอายุ 50 และเป็นนักเรียน จะซื้อคอมมั้ย

P(age = “>40”| buys_computer = “yes”) =