

```
((Ci) = P( buy= yes) = 9/4 = 0.643
= P(buy = no) = 5/14 : 0.959
P( age = 31-40 | buy-com= yes) = 2/9=0.222
( (age = 31-40) buy-con= "No") = 0/5 → 1/6 = 0.96
P(income = high 1 buy-com = yes' = 2/9 = 0.222
P(income = high 1) buy-com = No = 215 = 0.4
PC student = 'yes' | buy_com = 'yes' = 6/9 = 0.4
PCstudent = yes' buy - com = No = 215 = 0.4
PC credit_rating = fair 1 buy-com = Yes' = 6/9 = 0.666
P( credit_rating = fair | buy_com = No = 2/5 = 0.4
 P (XICi): P(X) buys-com = Yes) = 0.222 . 0.112. 0.111 . 0.111 = 0.022
             P(x|buys_com= No') = 0.16.0.14.0.8.0.4 = 0.26
  PC X (ci) . PCC() : P(X) boys - com = Yes) x P (buys - com = yes) = 0.141
 P(XI buys_com = no) + Pcbuys_com=100 7 = 0.007
therefore abdongs to class Chuy_com= yes!
```