

$\epsilon_1$   
New Prob  $\epsilon \rightarrow$  age = Young  
 $\epsilon_2 =$  Income = medium  
 $\epsilon_3 =$  student = Yes  
 $\epsilon_4 =$  Credit rating = ~~Good~~ Fair

$$P(\text{Yes}|\epsilon) = \frac{P(\epsilon_1|\text{Yes}) P(\epsilon_2|\text{Yes}) P(\epsilon_3|\text{Yes}) P(\epsilon_4|\text{Yes}) P(\text{Yes})}{P(\epsilon)}$$

$$= \frac{0.223 * 0.444 * 0.666 * 0.666 * 0.643}{P(\epsilon)}$$

$$= 0.02823$$

$$P(\text{No}|\epsilon) = \frac{P(\epsilon_1|\text{No}) * P(\epsilon_2|\text{No}) * P(\epsilon_3|\text{No}) * P(\epsilon_4|\text{No}) * P(\text{No})}{P(\epsilon)}$$

$$= 0.6 * 0.4 * 0.2 * 0.4 * 0.357$$

$$= 0.00685$$

$$P(\text{Yes}|\epsilon) > P(\text{No}|\epsilon)$$

$$0.02823 > 0.00685$$

" "

So Yes is the Answer to Buy Computer.