age > 40 , income low

Quiz 6

P(buy | age > 40, income : high)

P(age | buy) = 3/9

P(age | not buy) = 2/5

P(income | buy) 3/9

P(income | not buy) = 1/5

buy : 3/9 × 3/9 = 0.111

not buy = 2/5 × 1/5 = 0.06

Prior 0.111 × 0.643 = 0.071377 ✓

0.08 × 0.357 = 0.028536