Calculations for Q3

$$P(B|F) = 0.85 \qquad F = fail in 12 months
P(B'|F') = 0.74 \qquad B = predicted to go bankrypt
P(F) = 0.06
$$P(F|B) = P(B|F) \cdot P(F)
P(B) = P(B|F) \cdot P(F)
P(B) + P(B) P(F)
P(B|F) \cdot P(F)
P(B|F) \cdot P(F)
= 0.85 \times 0.08
= 0.2214.$$$$

