

$$P(F | S_1) = \frac{P(S_1 | F) \cdot P(F)}{P(S_1)} \quad \left. \vphantom{\frac{P(S_1 | F) \cdot P(F)}{P(S_1)}} \right\} P(S_1 | F)$$

$$0,6 = \frac{x \cdot 1}{\frac{1}{3}} \Rightarrow x = 0,2$$

$$P(F | S_2) = \frac{P(S_2 | F) \cdot P(F)}{P(S_2)} \quad \left. \vphantom{\frac{P(S_2 | F) \cdot P(F)}{P(S_2)}} \right\} P(S_2 | F)$$

$$0,5 = \frac{x \cdot 1}{\frac{1}{3}} \Rightarrow x = 0,1\bar{6}$$

$$P(F | S_3) = \frac{P(S_3 | F) \cdot P(F)}{P(S_3)} \quad \left. \vphantom{\frac{P(S_3 | F) \cdot P(F)}{P(S_3)}} \right\} P(S_3 | F)$$

$$0,8 = \frac{x \cdot 1}{\frac{1}{3}} = 0,2\bar{6}$$