

$$P(X = 1 \mid Y = 2) = \frac{P(Y = 2 \text{ og } X = 1)}{P(Y = 2)} = \frac{0.18}{0.18 + 0.27} = 0.4000.$$

$$P(Y = 2 \mid X = 1) = \frac{P(X = 1 \text{ og } Y = 2)}{P(X = 1)} = \frac{0.18}{0.12 + 0.18 + 0.10} = 0.4500.$$