



$$P(O) = \frac{8}{30} + \frac{9}{30} = \frac{17}{30}$$

$$P(O | 1^{ere} O) = \frac{3}{6} = \frac{1}{2}$$

$$P(O | 1^{ere} O) = \frac{P(O \text{ et } 1^{ere} O)}{P(1^{ere} O)} = \frac{9/30}{3/5} = \frac{\cancel{3/5} \cdot 3/6}{\cancel{3/5}}$$
$$= \frac{3}{6}$$

$$\begin{aligned} P(\text{1}^{\text{ere}} \circ \mid \text{2}^{\text{eme}} \circ) &= \frac{P(\text{1}^{\text{ere}} \circ \text{ et } \text{2}^{\text{eme}} \circ)}{P(\text{2}^{\text{eme}} \circ)} \\ &= \frac{9/30}{17/30} \\ &= \frac{9}{30} \cdot \frac{30}{17} = \frac{9}{17} \end{aligned}$$

f

Sachant que