

$$p(A) = \frac{38}{80}$$

$$p(C) = p(AC) + p(\bar{A}C)$$
$$= \frac{15}{80} + \frac{7}{80} = \frac{22}{80}$$

$$p(AC) = \frac{15}{80}$$

$$\text{Res } p(A \cup C) = p(A) + p(C) - p(AC)$$

$$= \frac{38}{80} + \frac{22}{80} - \frac{15}{80} = \frac{45}{80} = \frac{9}{16} = 0,5625$$