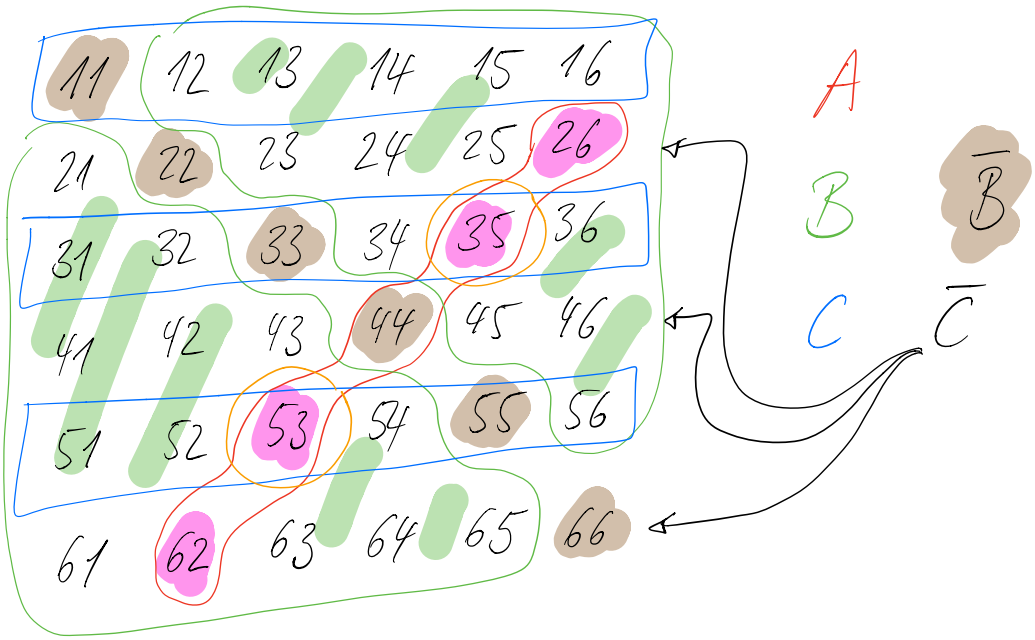

$$p(A) = \frac{5}{36}$$

$$p(A/B) = \frac{p(A \text{ et } B)}{p(B)} = \frac{p(A \wedge B)}{p(B)}$$

$$p(A \text{ et } B) = \frac{4}{36} \qquad p(B) = \frac{30}{36}$$

$$\Rightarrow p(A/B) = \frac{4/36}{30/36} = \frac{4}{36} \cdot \frac{36}{30} = \frac{4}{30} = \frac{2}{15}$$

$$p(A/C) = \frac{p(A \text{ et } C)}{p(C)}$$

$$p(A \text{ et } C) = 2/36$$

$$p(C) = 18/36$$

$$\Rightarrow p(A/C) = \frac{2/36}{18/36} = \frac{2}{\cancel{36}} \cdot \frac{\cancel{36}}{18} = \frac{1}{9}$$

$$p(A/\bar{B}) = \frac{p(A \text{ et } \bar{B})}{p(\bar{B})}$$

$$p(A \text{ et } \bar{B}) = \frac{1}{36} \qquad p(\bar{B}) = \frac{6}{36}$$

$$\Rightarrow p(A/\bar{B}) = \frac{1}{6}$$

$$p(A/\bar{C}) = \frac{p(A \text{ et } \bar{C})}{p(\bar{C})}$$

$$p(A \text{ et } \bar{C}) = \frac{3}{36} \qquad p(\bar{C}) = \frac{18}{36}$$

$$\Rightarrow p(A/\bar{C}) = \frac{3}{18} = \frac{1}{6}$$