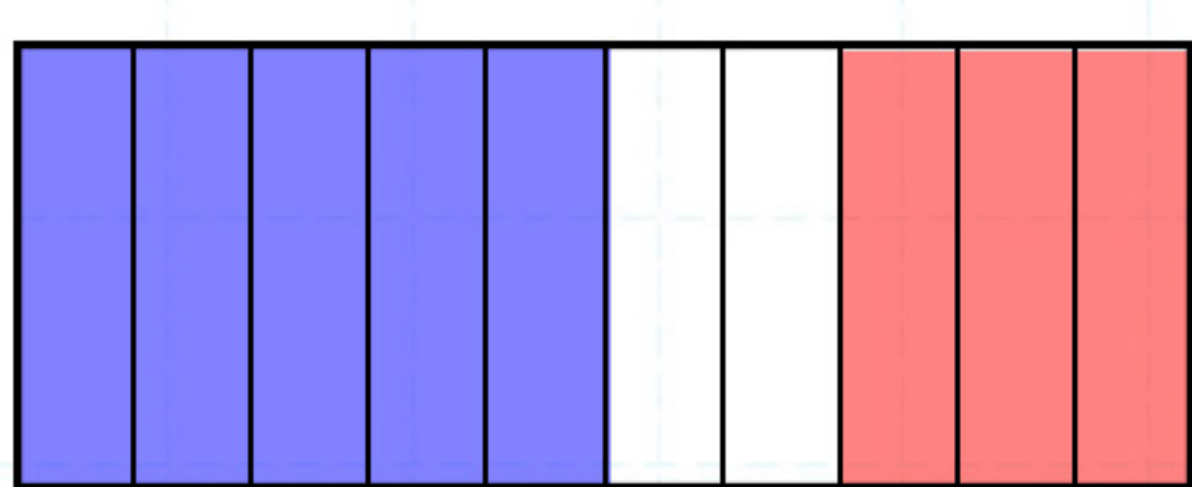


EXERCÍCIO 57



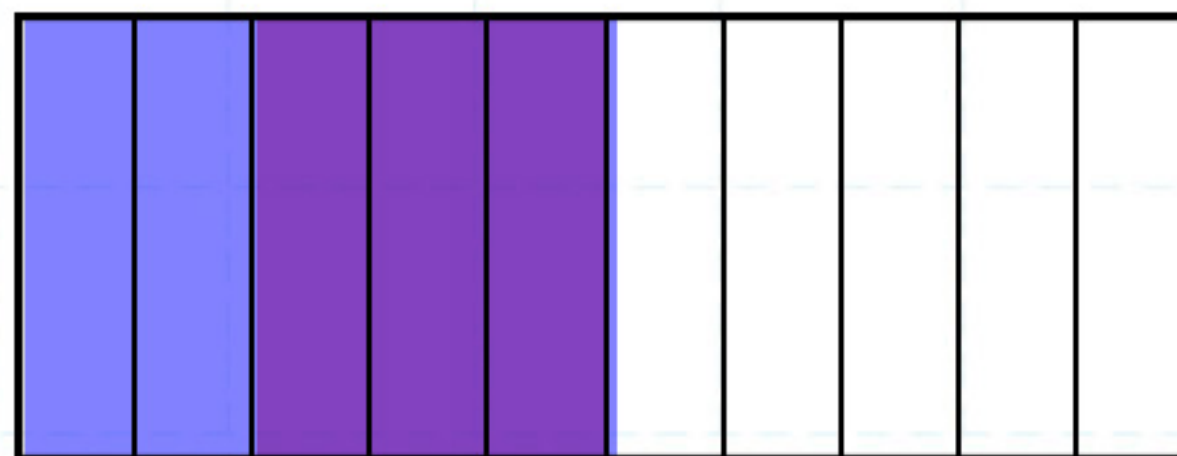
Sejam dois eventos quaisquer A e B contidos em um espaço amostral de modo que $P(A) = 0,3$ e $P(B) = 0,5$. Determine os maiores e menores valores possíveis para $P(A \cap B)$ e $P(A \cup B)$. Represente cada uma das quatro situações com um diagrama.



$$\min P(A \cap B) =$$

$$= 0 //$$

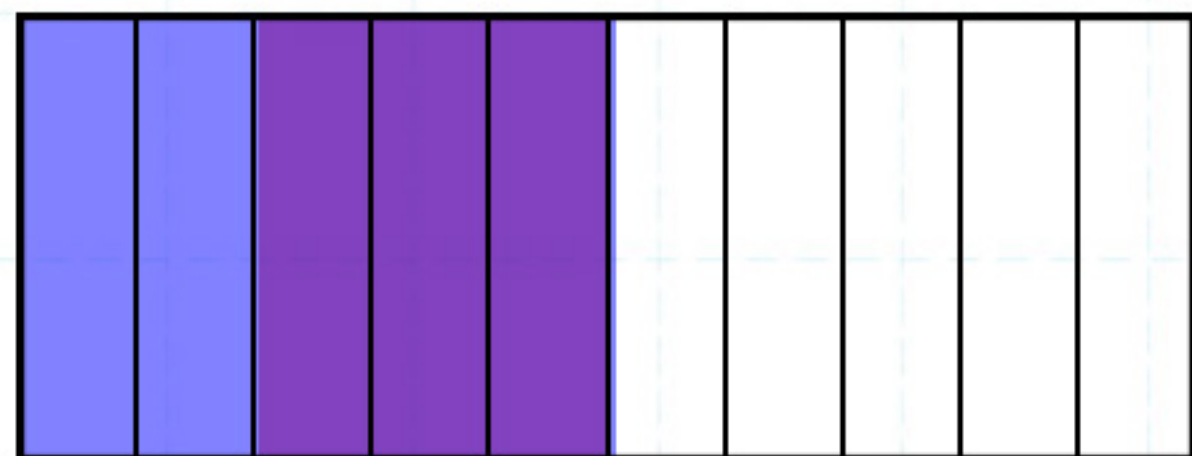
P



$$\min P(A \cup B) =$$

$$= 0,5 //$$

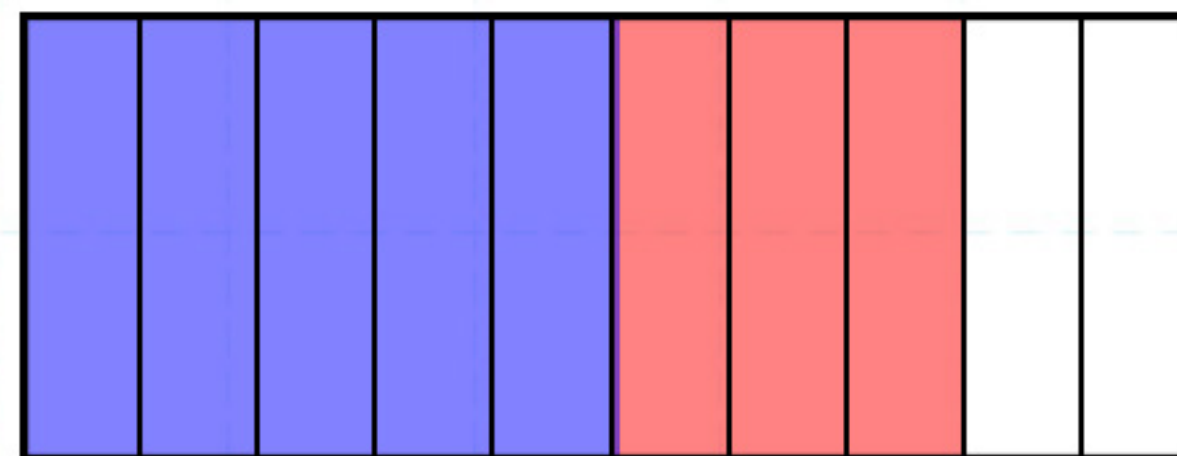
P



$$\max P(A \cap B) =$$

$$= 0,3 //$$

P



$$\max P(A \cup B) =$$

$$= 0,8 //$$

P