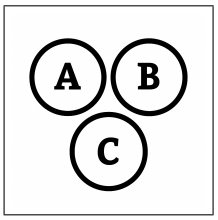
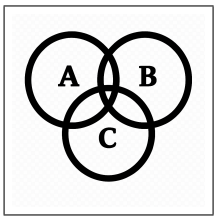
C Probability C



$S = \{B, B, R, R, R\}$

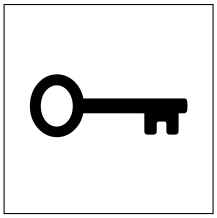


$\text{⇶}(S, BB) = \text{⇶}(S, B) \times \text{⇶}(S, B) = 0.40 \times 0.25 = 0.10$
$\text{⇶}(S, BR) = \text{⇶}(S, B) \times \text{⇶}(S, R) = 0.40 \times 0.75 = 0.30$
$\text{⇶}(S, RB) = \text{⇶}(S, R) \times \text{⇶}(S, B) = 0.60 \times 0.50 = 0.30$
$\text{⇶}(S, RR) = \text{⇶}(S, R) \times \text{⇶}(S, R) = 0.60 \times 0.50 = 0.30$

$\text{⥯}(S, BB) = \text{⥯}(S, B) \times \text{⥯}(S, B) = 0.40 \times 0.40 = 0.16$
$\text{⥯}(S, BR) = \text{⥯}(S, B) \times \text{⥯}(S, R) = 0.40 \times 0.60 = 0.24$
$\text{⥯}(S, RB) = \text{⥯}(S, R) \times \text{⥯}(S, B) = 0.60 \times 0.40 = 0.24$
$\text{⥯}(S, RR) = \text{⥯}(S, R) \times \text{⥯}(S, R) = 0.60 \times 0.60 = 0.36$

$S = \{B, B, R\}$
$\text{⥯}(S, BB) = \text{⥯}(S, B) \times \text{⥯}(S, B) = ?$

C Probability C



$S = \{B, B, R\}$

$\ominus(S, BB) = \ominus(S, B) \times \ominus(S, B) = 2/3 \times 2/3 \approx 0.44$