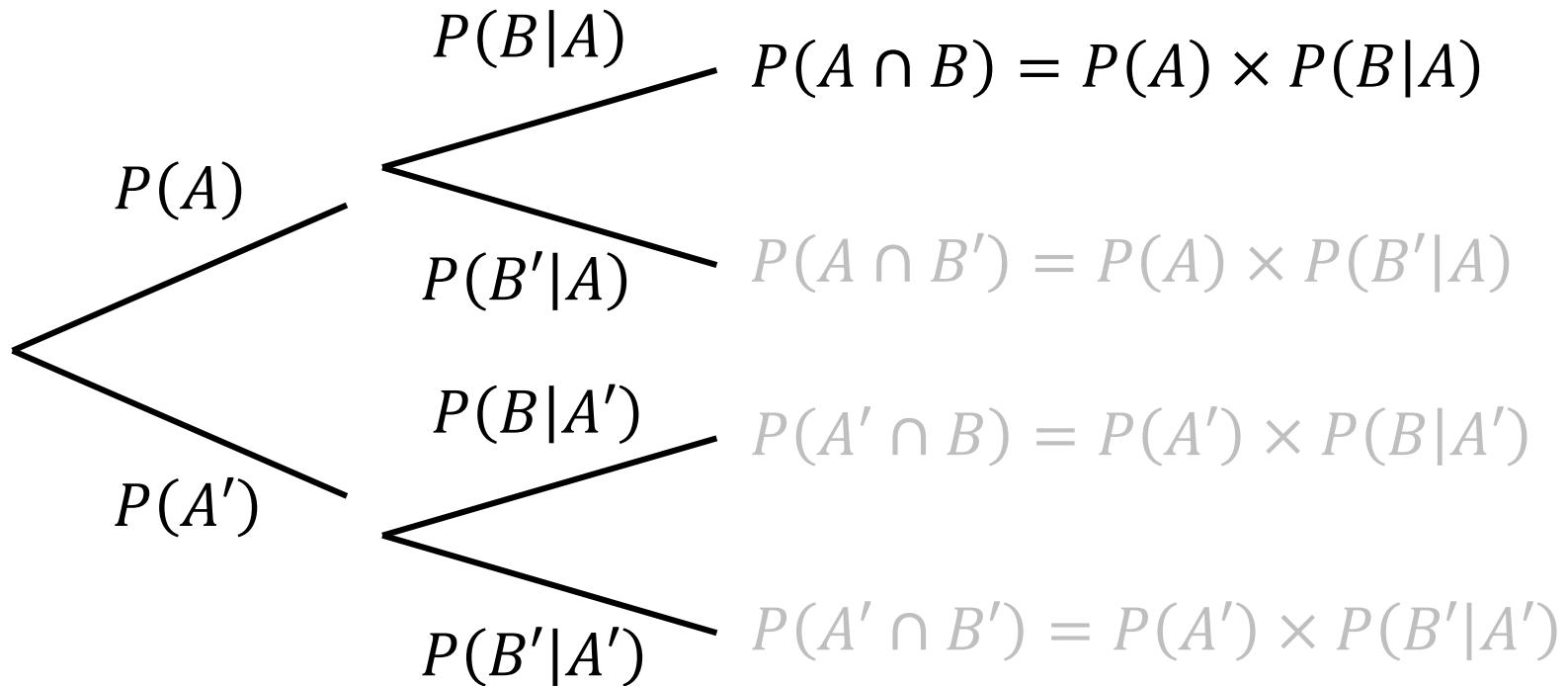


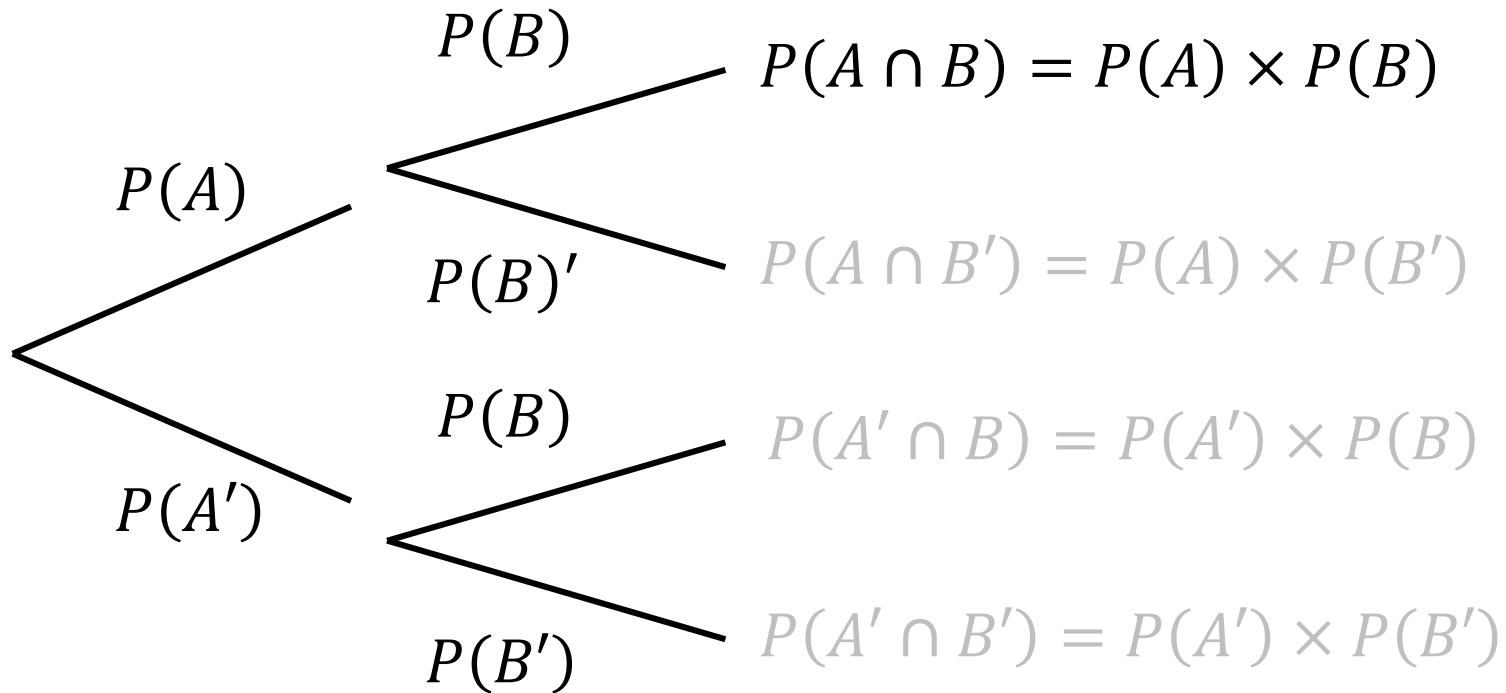
Non-Independent



$$P(A \cap B) = P(A) \times P(B|A)$$

$$P(B|A) = \frac{P(A \cap B)}{P(A)}$$

Independent



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

$$P(B) = \frac{P(A \cap B)}{P(A)}$$

Non-Independent

$$P(A \cap B) = P(A) \times P(B|A)$$

$$P(B|A) = \frac{P(A \cap B)}{P(A)}$$

Independent

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

$$P(B) = \frac{P(A \cap B)}{P(A)}$$