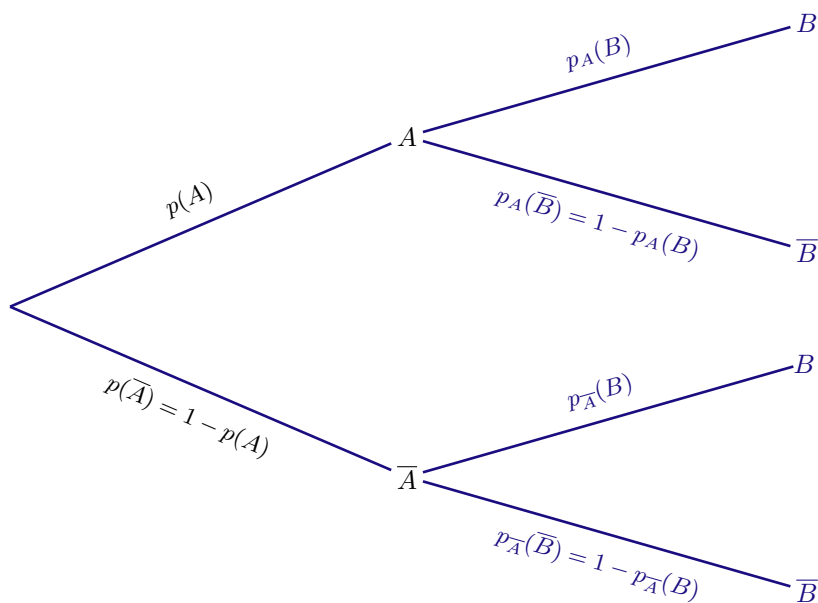


# Probabilités conditionnelles, composées et totales

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Probabilités conditionnelles



Probabilités composées

$$p(A \cap B) = p_A(B) \times p(A)$$

$$p(A \cap \bar{B}) = p_A(\bar{B}) \times p(A)$$

$$p(\bar{A} \cap B) = p_{\bar{A}}(B) \times p(\bar{A})$$

$$p(\bar{A} \cap \bar{B}) = p_{\bar{A}}(\bar{B}) \times p(\bar{A})$$

Probabilités totales

$$p(B) = p(A \cap B) + p(\bar{A} \cap B)$$

$$p(\bar{B}) = p(A \cap \bar{B}) + p(\bar{A} \cap \bar{B})$$