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1.3.1.  $\text{P} = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

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

1.3.3.  $\text{P}(A|\bar{B}) = \frac{\text{P}(A \cap \bar{B})}{\text{P}(\bar{B})}$

1.3.4.  $\text{P}(A \cap B) = \text{P}(A) \cdot \text{P}(B)$

1.3.5.  $\text{P}(A \cap \bar{B}) = \text{P}(A) \cdot \text{P}(\bar{B})$

1.3.6.  $\text{P}(A) = \text{P}(A \cap B) + \text{P}(A \cap \bar{B})$

1.3.7.  $\text{P}(A) = \text{P}(A) \cdot \text{P}(B) + \text{P}(A) \cdot \text{P}(\bar{B})$

1.3.8.  $\text{P}(A) = \text{P}(A) \cdot (\text{P}(B) + \text{P}(\bar{B}))$

1.3.9.  $\text{P}(A) = \text{P}(A) \cdot 1$

1.3.10.  $\text{P}(A) = \text{P}(A)$

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

1.3.12.  $\text{P}(A|\bar{B}) = \frac{\text{P}(A \cap \bar{B})}{\text{P}(\bar{B})}$

1.3.13.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

1.3.14.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

1.3.15.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

1.3.16.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

1.3.17.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

1.3.18.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

1.3.19.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

1.3.20.  $\text{P}(A) = \text{P}(A|B) \cdot \text{P}(B) + \text{P}(A|\bar{B}) \cdot \text{P}(\bar{B})$

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