Frequency Table

Outlook	Y	N
Sunny	2	3
Overcast	4	0
rainy	3	2

Humidity	Y	N
high	3	4
normal	6	1

temp	Y	N
hot	2	2
mild	4	2
cool	3	1

Windy	Y	N
false	6	2
true	3	3

outlook	temp.	humid	Windy
sunny	cool	high	True

$$P(Y \mid \text{outlook} = \text{"Sunny"}) = \frac{2}{9}$$

$$P(Y \mid \text{Temp} = \text{"cool"}) = \frac{3}{9}$$

$$P(Y \mid \text{Humid} = \text{"high"}) = \frac{3}{9}$$

$$P(Y \mid \text{Windy} = \text{"True"}) = \frac{3}{9}$$

$$P(Y) = \left(\frac{2}{9} \times \frac{3}{9} \times \frac{3}{9} \times \frac{3}{9}\right) \cdot \times \frac{9}{14}$$

$$P(N \mid \text{Outlook} = \text{"Sunny"}) = \frac{3}{5}$$

$$P(N \mid \text{Temp} = \text{"Cool"}) = \frac{1}{5}$$

$$P(N \mid \text{Humid} = \text{"high"}) = \frac{4}{5}$$

$$P(N \mid \text{Windy} = \text{"True"}) = \frac{3}{5}$$

$$P(N) = \left(\frac{3}{5} \times \frac{1}{5} \times \frac{4}{5} \times \frac{3}{5}\right) \times \frac{5}{14} = 0.02$$