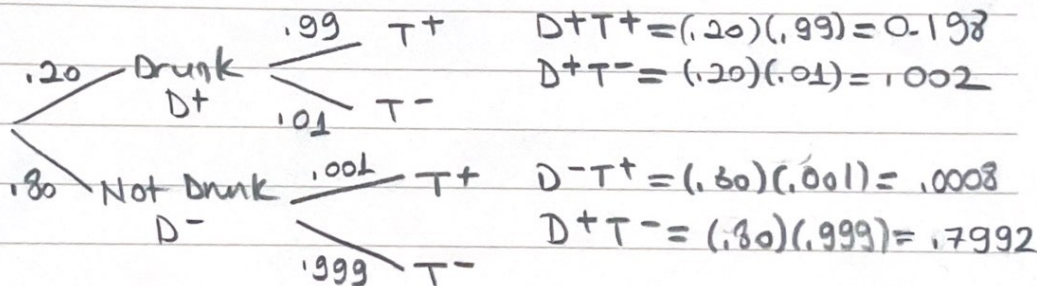


$$P(\text{Drunk} | \text{Test}) = \frac{P(D \cap T^+)}{P(T^+)} = \frac{0.00099}{(0.00099) + (0.000999)}$$

$$= \frac{0.00099}{0.001989} = 0.4977$$



$$P(D^+ | T^+) = \frac{P(D^+ \cap T^+)}{P(T^+)} = \frac{0.198}{(0.198) + (0.0008)}$$

$$= \frac{0.198}{0.1988}$$

$$= 0.9964$$