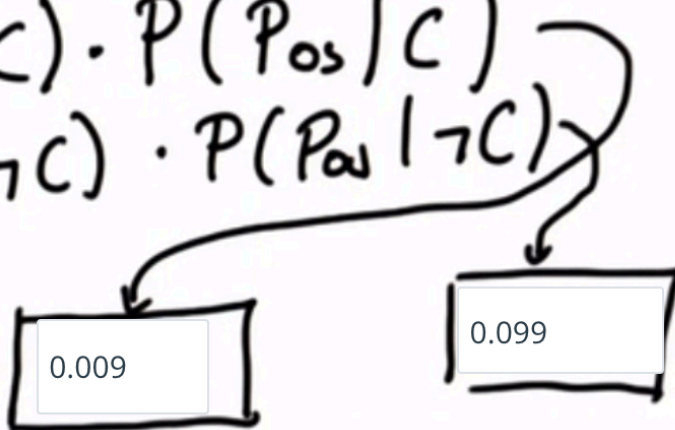Prior:
$$P(C) = 0.01 = 1\% \qquad P(\neg C) = 0.99$$
$$P(Pos|C) = 0.9 = 90\%$$
$$P(Neg|\neg C) = 0.9 \qquad P(Pos|\neg C) = 0.1$$

posterior:
$$P(C \mid Pos.) = P(C) \cdot P(Pos|C)$$
$$P(\neg C \mid Pos.) = P(\neg C) \cdot P(Pos|\neg C)$$

0.009

0.099

View Intro

VIEW ANSWER

SUBMIT ANSWER