Normalizing 2 SEND FEEDBACK

Prior:
$$P(c) = 0.01 = 1% P(\tau c) = 0.99$$

 $P(Pos|c) = 0.9 = 90% P(Pos|\tau c) = 0.1$
 $P(Nes|\tau c) = 0.5$
 $P(C, Pos.) = P(c) \cdot P(Pos|c) = 0.009$
 $P(\tau c, Pos.) = P(\tau c) \cdot P(Pos|\tau c) = 0.009$
Posterior: $P(Pos) = P(c,Pos) + P(\tau c,Pos) = 0.108$
Posterior: $P(C|Pos) = [0.083]$