Judge’s Decision

A Person Found Guilty or Non Guilty,

+ve- if Person Guilty

-ve- if Person Not Guilty

Actual -> Guilty ; Pred -> Guilty (TP)

Actual -> Guilty; Pred -> Not Guilty (FN)

Actual -> Not Guilty; Pred -> Guilty (FP)

Actual -> Not Guilty ; Pred -> Not Guilty (TN)

Which one is critical ?

FP , FP is more important because a non guilty person should never be punished

Covid RTPCR Test

Test that predicts Covid,

+ve- covid+ve

-ve- covid-ve

Actual -> covid+ve ; Pred -> covid+ve (TP)

Actual -> covid+ve; Pred -> covid-ve (FN)

Actual -> covid-ve; Pred -> covid+ve (FP)

Actual -> covid-ve; Pred -> covid-ve (TN)

Which one is critical ?

FN is critical, because if test result comes negative the person keeps spreading the virus.