| CS | 6 | 25 | A |
|----|---|----|---|
|----|---|----|---|



ADITYA RALINUWANSHI 190052 P = { 01, 02, 05, 04}

N= {05,06,07,05,09,010}}

FP P'= {01,02, 00,05,08} N' = { 03, 06, 07, 09,010} TP={01,02,04} TN = 3 06, 07, 09, 010) FP= {05,08)

FN={03}

(P) Precision 2 1TP1 = 3 = 0.6

IP1 5

(R) Recall = 1TP1 = 3 = 0.75

IP1 4

F-socore =  $(B^2+1)$  · Precision. Recall (in  $\beta$  terms)  $B^2$ . Precison + Recall

for  $\beta = 1$ , f-sore = 2.1.R = 2(0.6)(0.75) = [0.67] 1 + R = 20.6 + 0.75

Jor B=2, F-560re = 5.P.R = 5(0.6)(0.75) = 0.714 4.P+R (4)(0.6) + (0.75)

Jor B= 1/2, F-Score = (5/4) P.R. = 5/4(0.6)0.75) = [0.625] (1/4)P+R (4)(0.6)+(0.75)