CX15 Cx 16 A ex 13 ex 12 ex 6 ex9 Ex 8 ex 5 Cx3 EX7 exio CX! Consunction chassition is (shave : Onelle) AND (const-stade = While) Tri-ongle @inele Cindle Circle SAMAR Square Cincle Thick Q;nele Toi-ongle Square Ginelle SALVENE Toiongle Square Tri-argle einole Thick Thick Thin to chassify " Positive Thick Thin Thin Thick Thick Thick Thin Thin Thick Thield White Thiell Thin Oask white White defined with the white Darok Loss White A83 ROSS White Road Darole Dark Lass Dapic Thiele Thick Thick Thin Thiele Thiele Thiele Thin Thin 7 7 ROUGH White White Dank Darole White White white Dask Larg Laws Locos Daple Daple White Bok Lallowing Positibe class. negative

Example

shape

35.10

Shade

20,00

Shade

Concet

E. Ming

Chass

[ Data set]

ax Calculate Town Positive, False Positive. Town Negotive, aparying this classifier to each example we get; (as als cases with shape, cincle "White" FD: predicts positive, but four class is negative EX3- EXA, CX10. CX11, CX13, CX15, CX14, CX15, CX16 is not [ (Share = Bindle) AND (Onust. Shade = White) 177; Plassitien Predicts Positive it shape is ane Negative 205, ti UC "White" Share is not with coust shade white 8 " Ginele" & courst shade is when "Grose" or coust shade TD - Conneelly classified TNº Acdides negative ex: - ex2, ex 6, ex4 POS; 4:00) FN - In conneedly FD - In Connectly TN - Comeedly given classition False Negative, exe- None 80 and: - 3 Court. Count: 8 Metination .

FN: Classifier Predicts negative but frue class is Positive.

ex:- exi, ex3, ex5, ex7, ex8

count:-5

=> Calculations:-TP: 3 x100 = 18.75%, FD: 0% TN: 8 x100 = 50%, FN: 31.25%

by Calculate Accuracy & Ennong,

Accuracy, TP+TN = 3+8 ×100 = 68.75%

Total 16

Eppop, 100% - 68,75% = 31,25%

Of Redefine Classifier with expression that will increase accuracy predicting "Positive" class accuracy;

(Shape = eipele) AND (epust-shade = White)

(shape = einele AND filling - shade = Danic)

OR

(enust - shade = White AND filling-shade = Danic)

OR

(shape = einele AND filling-shade = Danic)

white

(-shape = einele AND enust-shade = Danic)

This classifier will connectly classify all

Redefine classifier to make Ennon-100%

for make Ennon-100%, classified must
inconnectly classify event example,
inconnectly classify event example,

so, [(shore + cincle) OR (const-shode + white)]

Alis will look, result in

every prediction as inconnect, which will

every prediction as inconnect, which will

led to 100% ennon,

led to 100% expression for predict "ex q.16.11.13,

14" (")

-> [(enust-shade + white) AND(filling-shade = white OR

=> [(enast-shade = white) AND(filling-shade = while OR shape = Cincle)]