\* Confusion Matrix >

		Actual (y)		
		M(C1)	F(cr)	I((?)
	I	0	2	3
M. Hash		64	46	139
	(c1)	9	6	6
Predicted (g)	F	12	237	42
	((1))	6)	0	3
	1	52	79	165
	(c <sub>s</sub> )	32	CIA	310

Supposed

M(C1) F(C2) I(C3)

128 362 346

(PPP FN)

Kecall =

Class	M (4)	(F(a)	I (Cs)
TP	0 64	© 23?	<b>3</b> 165
FP	2+3 = 46 +139=185		= 131
TN	\$ +6 +8+9 = 523	420	0+0+0+0
FN	9+0 > 64	218=46+79 = 125	3+6=139+42 181

Precision 
$$\Rightarrow \frac{TP}{(TP+FP)} \Rightarrow \frac{TP1+TP2+TP3}{(TP1+TP2+TP3)+(FP1+FP2+FP3)+(FP1+FP2+FP3)+(FP1+FP3$$

Presion in 1 3 0.26

Recall = 
$$\frac{TP}{(TP+FN)} = \frac{466}{(466+320)} = \frac{466}{836} = 0.5$$

FI-SCORE =  $2\times (Prc\times nc)/(Prc+nc)/\frac{2}{heal} + \frac{1}{Premo}$ 

=  $2\times (0.55\times 0.55)/(0.55+0.55)$ 

Accuracy =  $\frac{(TP+FN)}{(TP+FN+FP)} = \frac{835}{(64+185)} = \frac{1768}{243}$ 

=  $\frac{0.30}{466+370+376+1302} = \frac{64}{2514} = \frac{0.22}{2514}$ 

For Class  $\frac{7P}{(F1+FN)} = \frac{64}{(64+185)} = \frac{64}{128} = \frac{0.5}{243}$ 

Recall =  $\frac{TP}{(TP+FN)} = \frac{64}{64+64} = \frac{64}{128} = \frac{0.5}{243}$ 

Firscore =  $2\times (Prc\times nc)/(Prc+ne)/\frac{1}{neal} + \frac{1}{Premoon}$ 

=  $2\times (0.21\times 0.5)/(0.21\times 0.5)$ 

Accuracy =  $\frac{(TP+FN)}{(TP+FN)} = \frac{636}{836} = \frac{0.34}{2582} = \frac{0.34}{2582}$ 

Accuracy =  $\frac{(TP+FN)}{(TP+FN)} = \frac{64}{836} = \frac{0.34}{2582} = \frac{0.34}{2582$ 

or class Cz,

Precision = 
$$\frac{TP_2}{TP_2 + FP_2} = \frac{237}{237 + 54} = \frac{237}{291} = \frac{0.81}{2}$$
  
Recall =  $\frac{TP_2}{TP_2 + FN_2} = \frac{237}{237 + 125} = \frac{0.65}{2}$ 

$$F_1 - S \cos k = \frac{2}{1 + \frac{1}{precision}} = \frac{2}{0.81} = \frac{2}{0.65} = \frac{2}{2.77}$$

201 = 6.72 = 700

Accuracy = 
$$\frac{(TP_2 + TN_2)}{(TP_2 + FN_2 + FP_2 + TN_2)} = \frac{128657}{836} = \frac{6.78}{836}$$

Similary, for class C3,