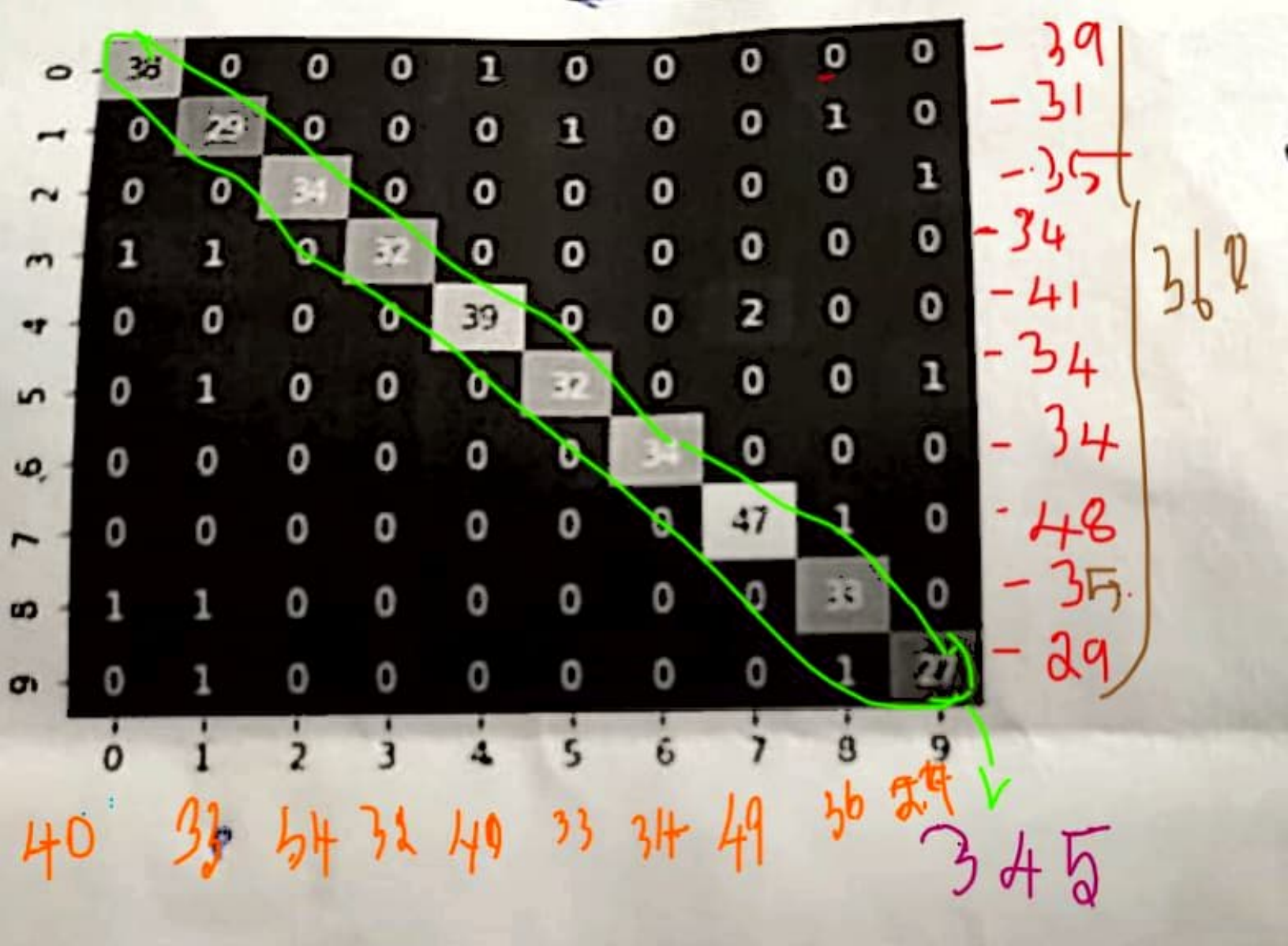
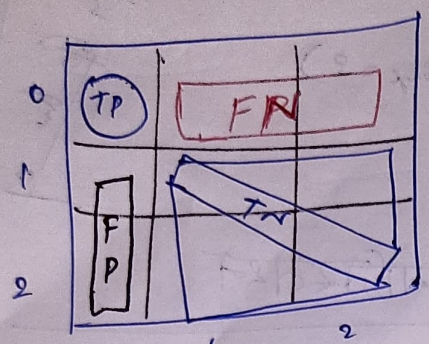
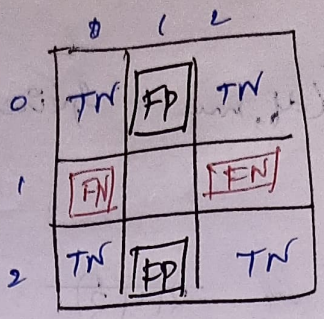
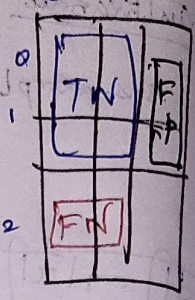

0 1 2 3 4 5 6 7 8 9
36 0 0 0 1 0 0 0 0 0
0 29 0 0 0 1 0 0 1 0
0 0 34 0 0 0 0 0 0 1
1 1 0 32 0 0 0 0 0 0
0 0 0 0 39 0 0 2 0 0
0 1 0 0 0 32 0 0 0 1
0 0 0 0 0 0 34 0 0 0
0 0 0 0 0 0 0 47 1 0
1 1 0 0 0 0 0 0 33 0
0 1 0 0 0 0 0 0 1 27
- 39
- 31
- 35
- 34
- 41
- 34
- 34
- 48
- 35
- 29
362
40 33 34 32 40 33 34 49 36 29
345



for '0'



for '1'



for '2'

$$\text{Precision} = \frac{TP}{TP+FP}$$

$$\text{Recall} = \frac{TP}{TP+FN}$$

$$\text{Accuracy} = \frac{TP+TN}{TP+FP+TN+FN}$$

$$= \frac{TP+TN}{\Sigma \text{Row Sum}}$$

(or)

$$= \frac{TP+TN}{\Sigma \text{Column Sum}}$$

for '0'

'0'th Row Sum = 39 | Σ Row Sum = 360

diagonal sum = 345

TP = 38

FN = 1

FP = 2

TN = Σ Row Sum − FP − that Row Sum

= 360 − 2 − 39 = 319

* Precision = $\frac{38}{38+2}$

$= \frac{38}{40} = 0.95$

* Recall = $\frac{38}{38+1}$

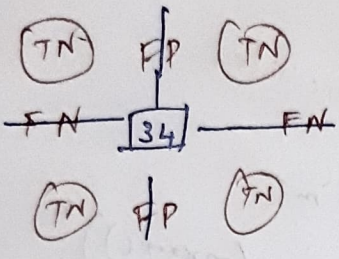
$= \frac{38}{39} = 0.974$

* Accuracy = $\frac{TP+TN}{\Sigma \text{Row sum}}$

$= \frac{38+319}{360}$

$= 0.99$

For "6"



Σ Row Sum = 360

Row Sum = 34

Diagonal Sum = 345

FP = 0 | TP = 34

FN = 0

TN = Σ Row Sum − FP − that Row Sum = 360 − 0 − 34 = 326

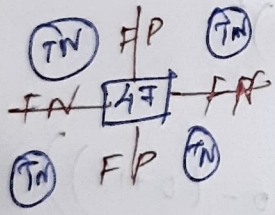
= 326

$$\text{Precision} = \frac{TP}{TP+FP} = \frac{34}{34+0} = \frac{34}{34} = 1$$

$$\text{Recall} = \frac{TP}{TP+FN} = \frac{34}{34+0} = 1$$

$$\text{Accuracy} = \frac{TP+TN}{\Sigma \text{Row sum}} = \frac{34+326}{360} = 1$$

For "7" :-



Σ Row sum = 360

Row sum = 48

Diagonal sum = 345

FP = 2 | TP = 47

FN = 1

TN = Σ Row sum − FP − that Row Sum

= 360 − 2 − 48 = 300

TN = 300

$$\text{Precision} = \frac{TP}{TP+FP} = \frac{47}{47+2} = 0.959$$

$$\text{Recall} = \frac{TP}{TP+FN} = \frac{47}{47+1} = 0.979$$

$$\text{Accuracy} = \frac{47+300}{360} = 0.96$$