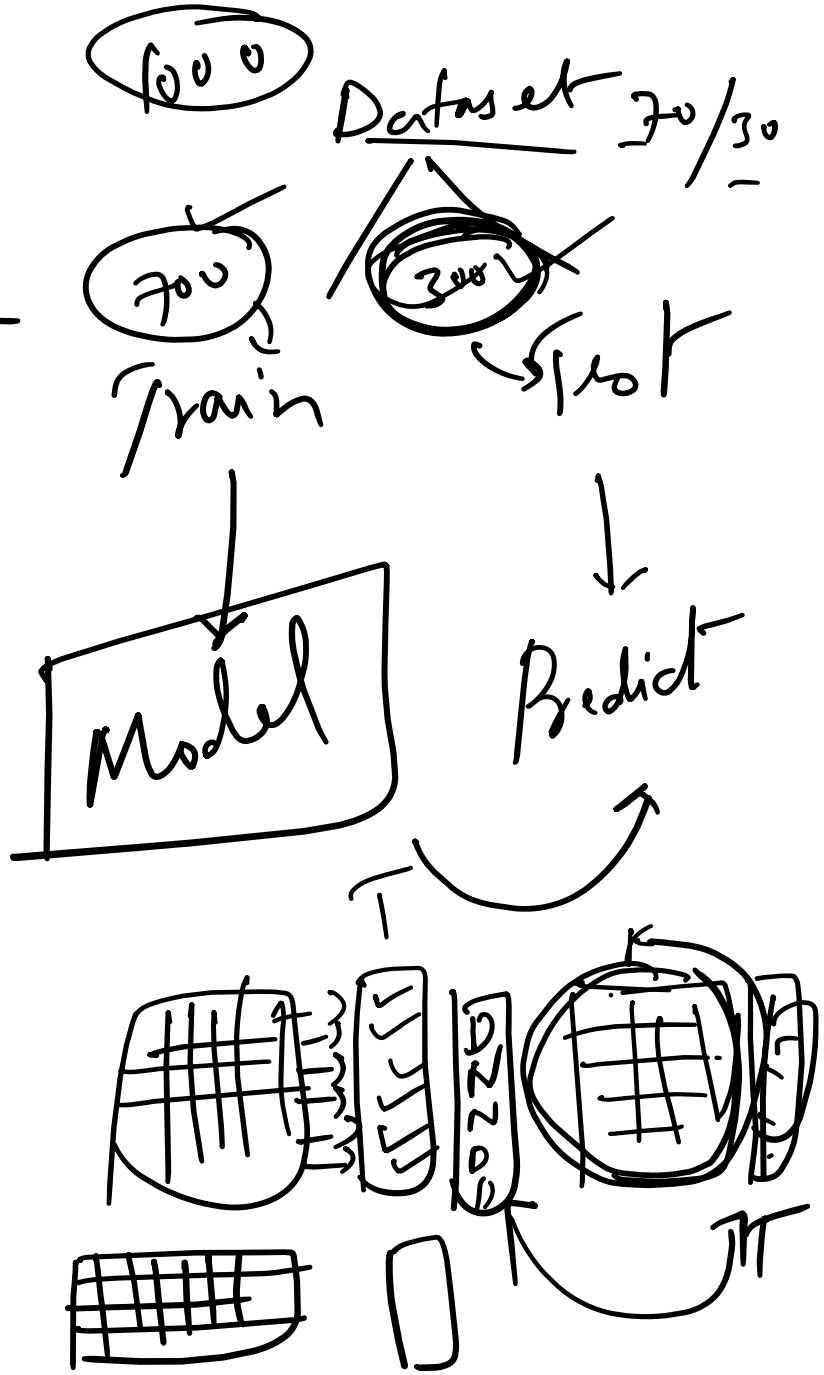
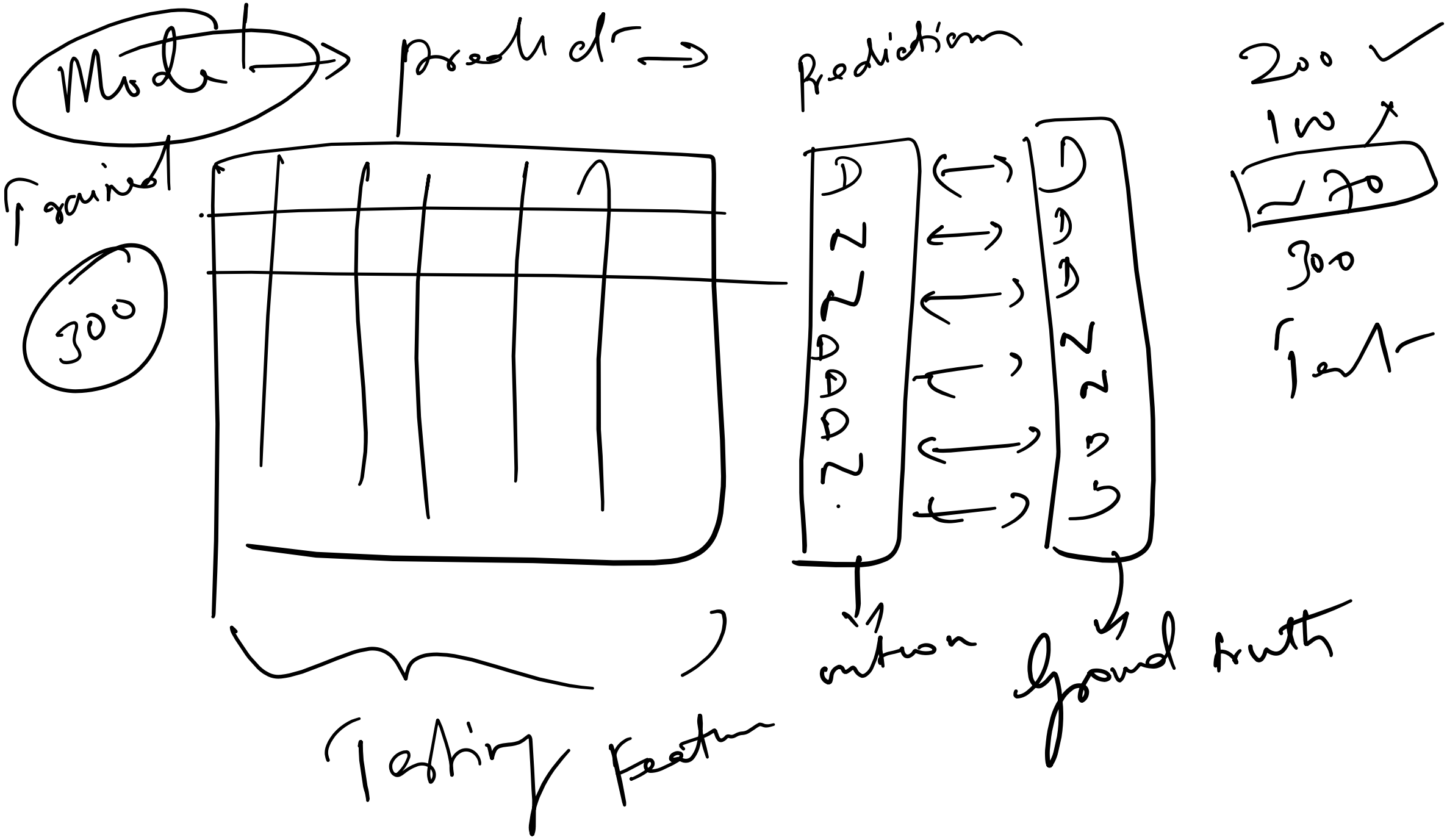
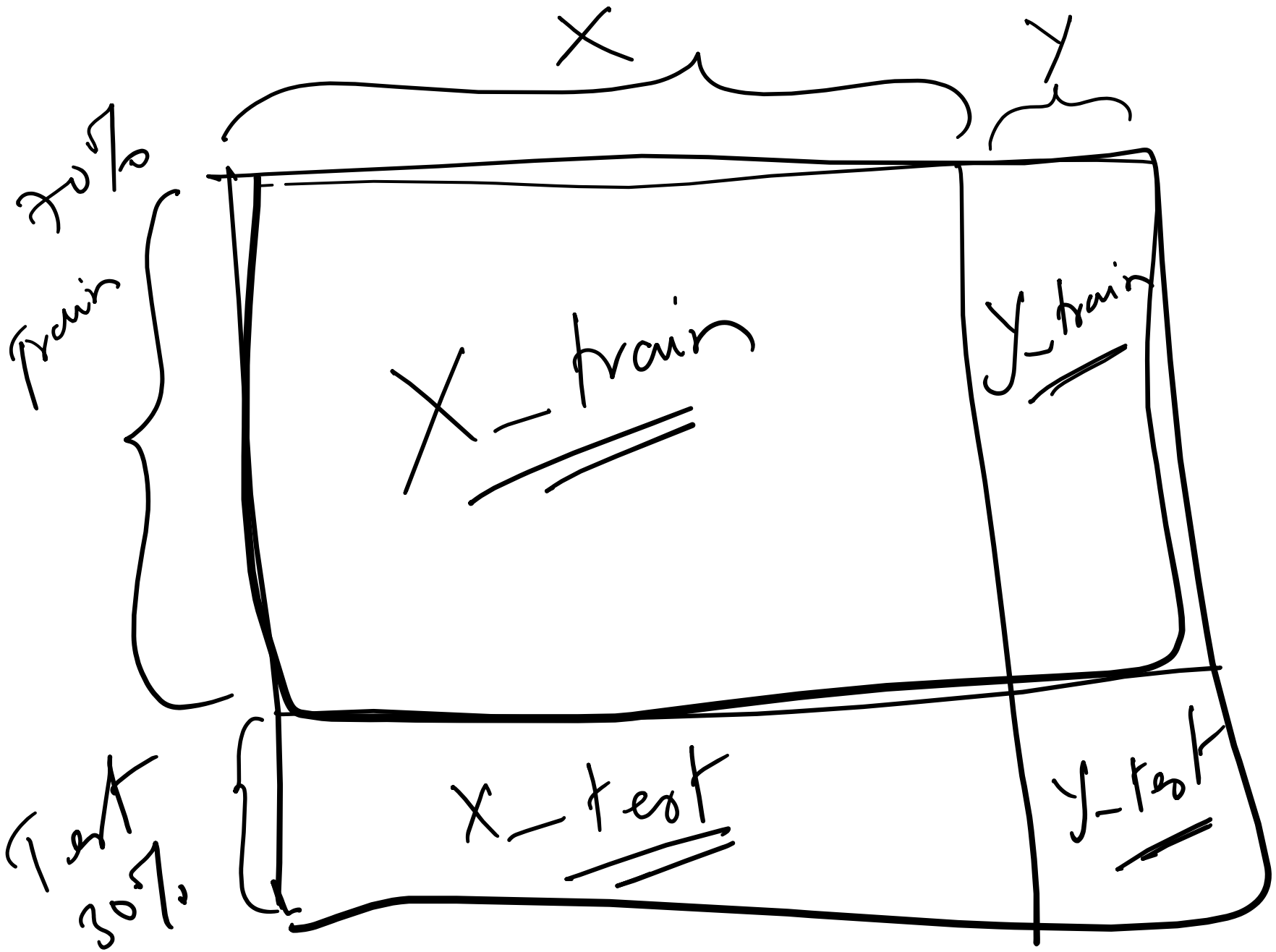
DIABETES

NB

F1	F2	F3	-	-	- - -	Fn	Target
							1000




Model
predict
Prediction
Trained
300
D
N
N
D
D
D
N
D
D
D
N
N
D
D
Testing Feature
outcome
Ground truth
200
100
~70
300
Test



i/p

X → Features

y → Target

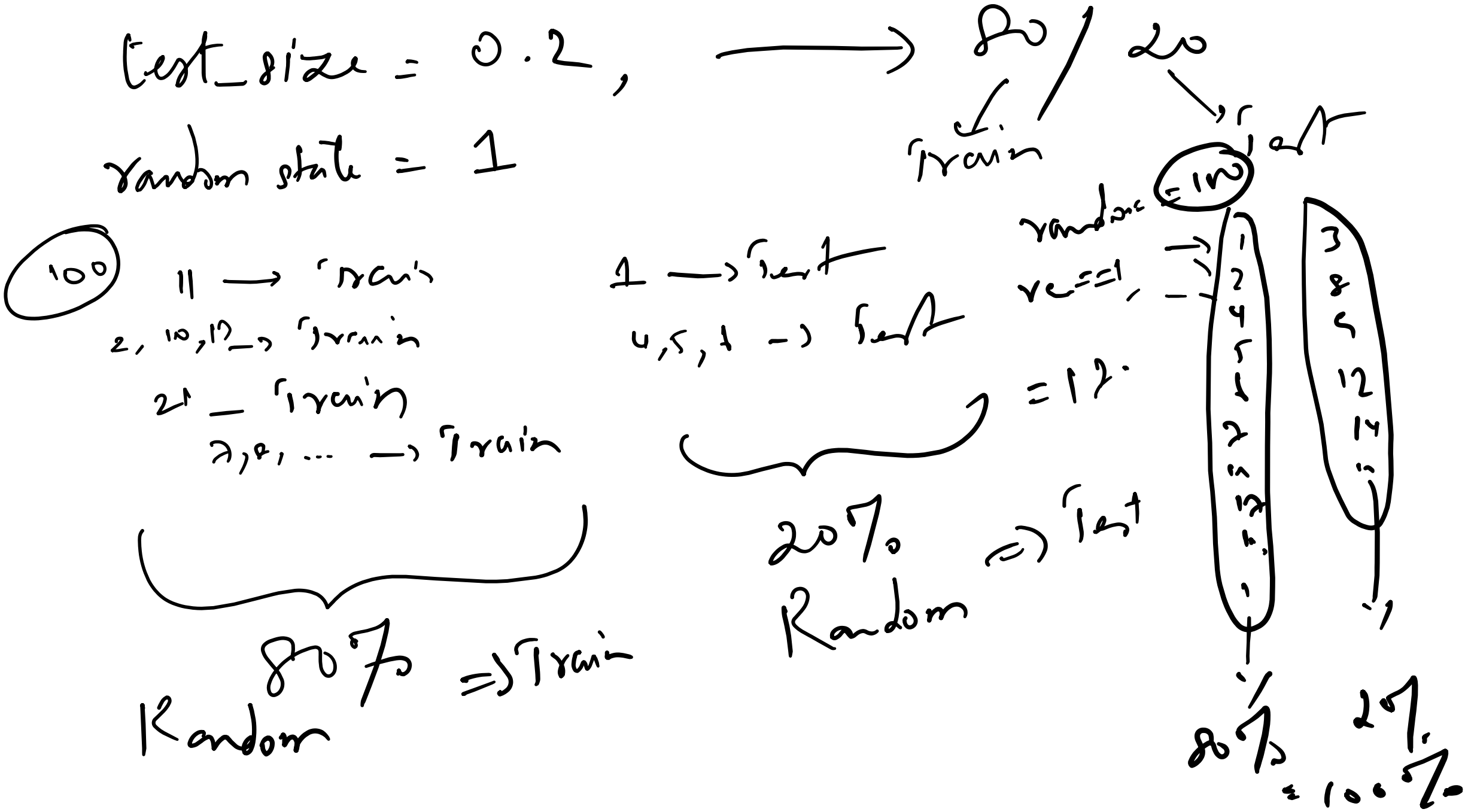
o/p

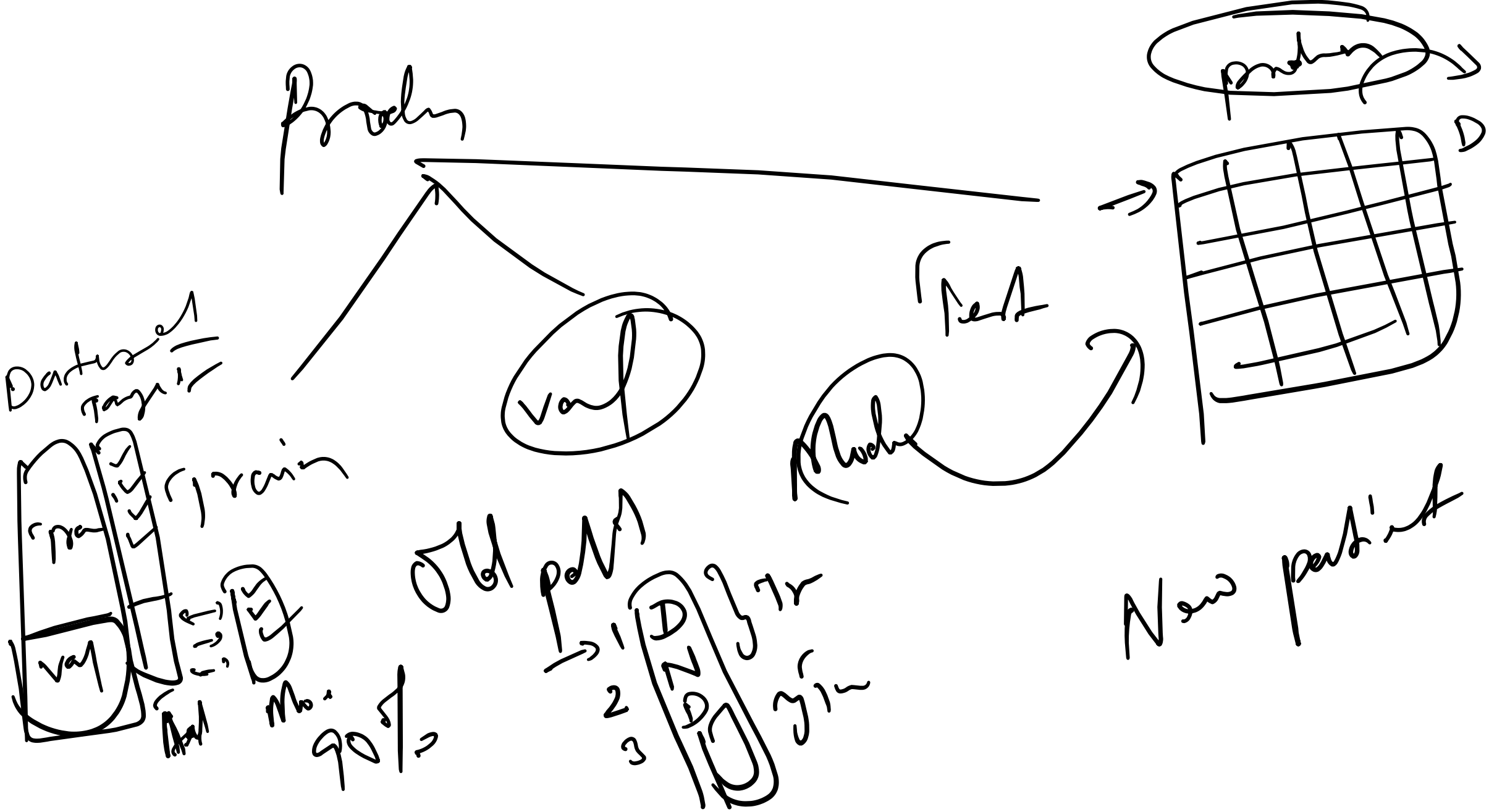
70/30

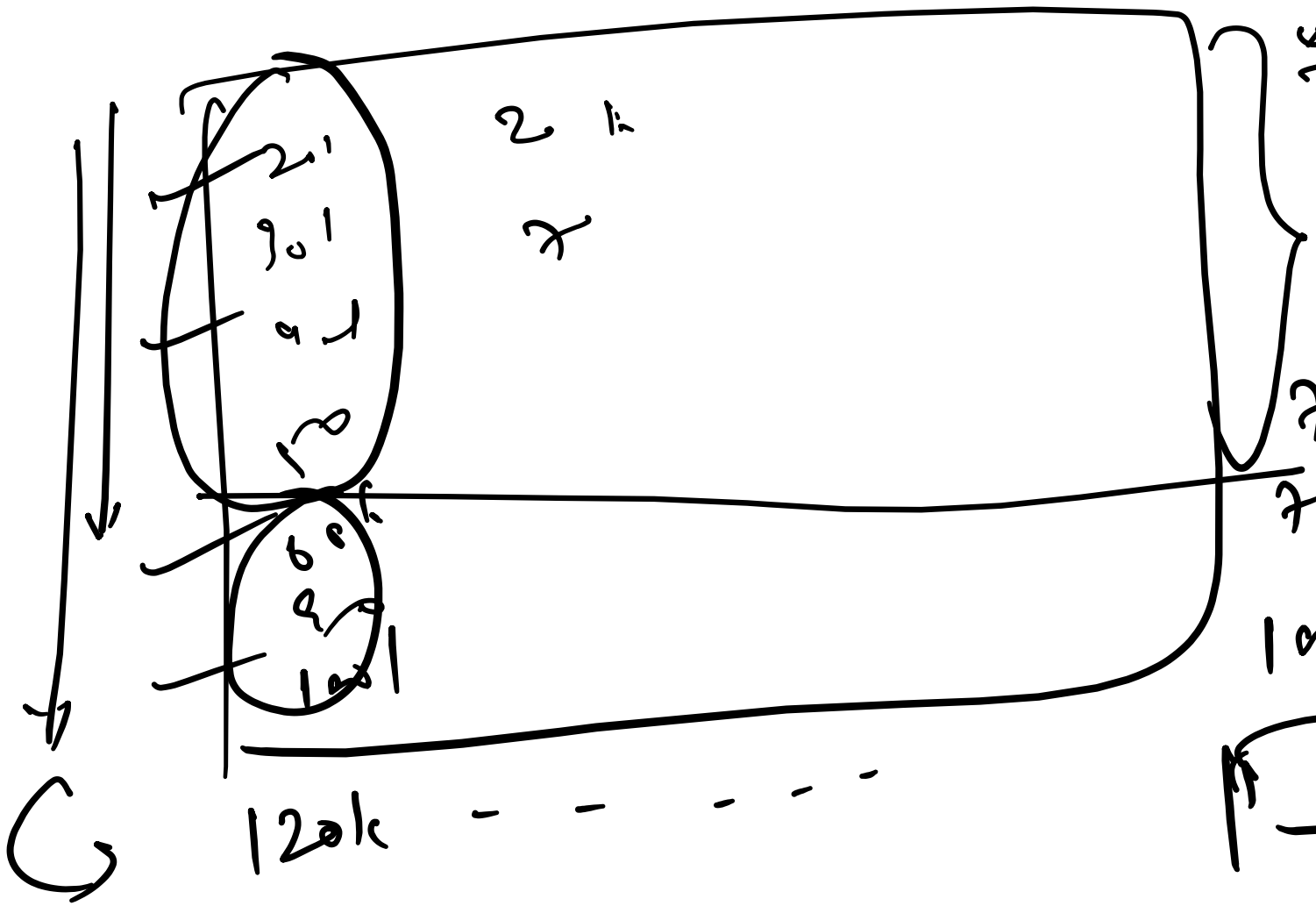
y_pred

test_size = 0.2,

random state = 1




D
1
2
3



10 people

0/1

100

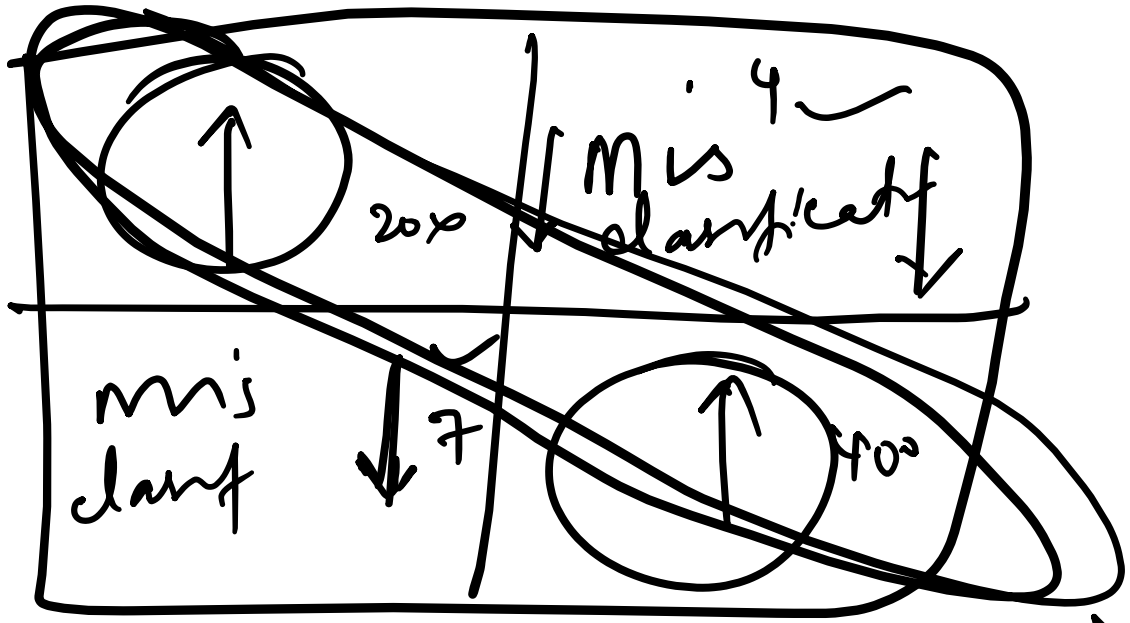
CM

TN	FP
FN	TP

TP	FP
FN	TN

100

60	10
10	20



good

higher number

Precision	Recall	F1-Score
① $\frac{TP}{\text{Pred Yes}}$	$\frac{TP}{\text{Act Yes}}$	$\frac{2 * \text{prec} * \text{Recall}}{\text{Precis} + \text{Recall}}$

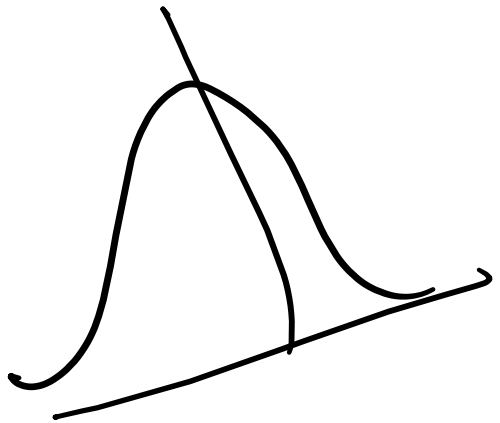
⓪ $\frac{TN}{\text{Pred NO}}$ $\frac{TN}{\text{Act NO}}$

100

$\frac{70}{75}$

$\frac{60}{75} = 1$

Pred =

NB

- Gaussian NB (Normal) → Continuous
- Multinomial NB (Discrete variable)
- Bernoli NB (0/1)