

ENSEMBLE

↳ Group of thing

↳ ML
↳ multiple model

एक Bank
†

$T_x \rightarrow F$ | No

| w w y (11)

14

A hand-drawn diagram in blue ink. On the left, there is a vertical shape resembling a stylized 'M' or a series of connected lines forming a column. An arrow points from this shape towards a large, roughly circular oval. Inside the oval, the word "SOLAKU" is written in a cursive, handwritten font. The entire drawing is done in a single color of blue ink.

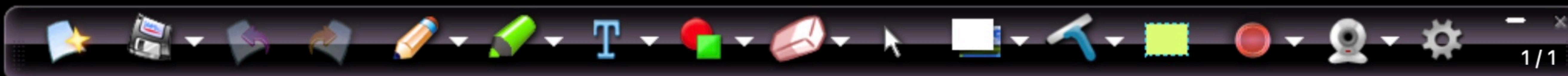
SD 9k

En avall

powerful

$\underline{S \text{ model}}$ \leftarrow $4 \rightarrow \text{final}$ } $\{$
 0 \circlearrowleft ND } \rightarrow

$$M \rightarrow \mathcal{E}$$



D Bagging
B Boosting
B Stacking
A Cascading

(Acc \uparrow)
↓
PrIVeV

compliing
↓
DS huck

SDL^b

→ high performing
very powerful

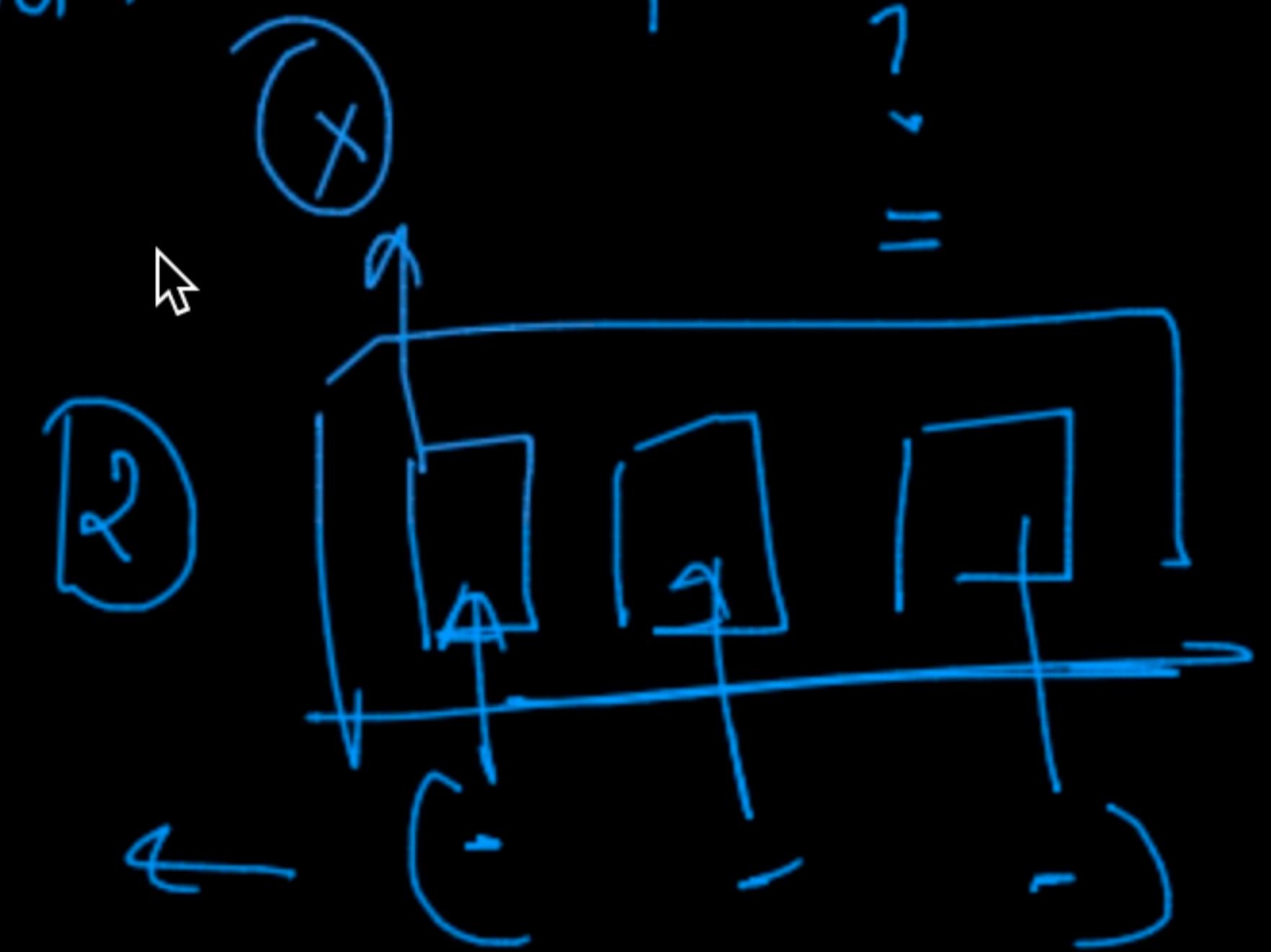
$D_x \rightarrow \boxed{ML} \rightarrow f() \rightarrow 88\%$

LR()
DT()

Random Model

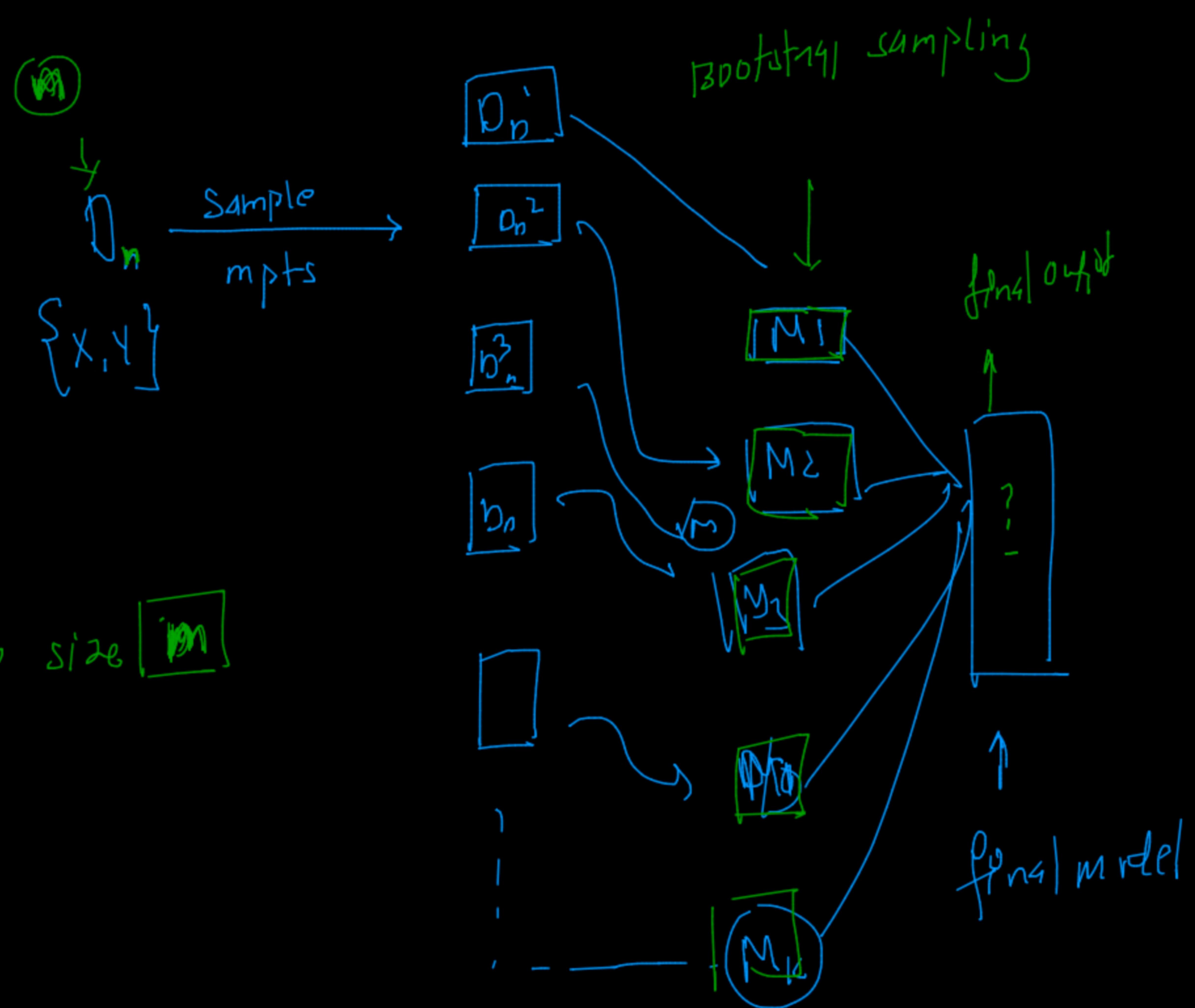
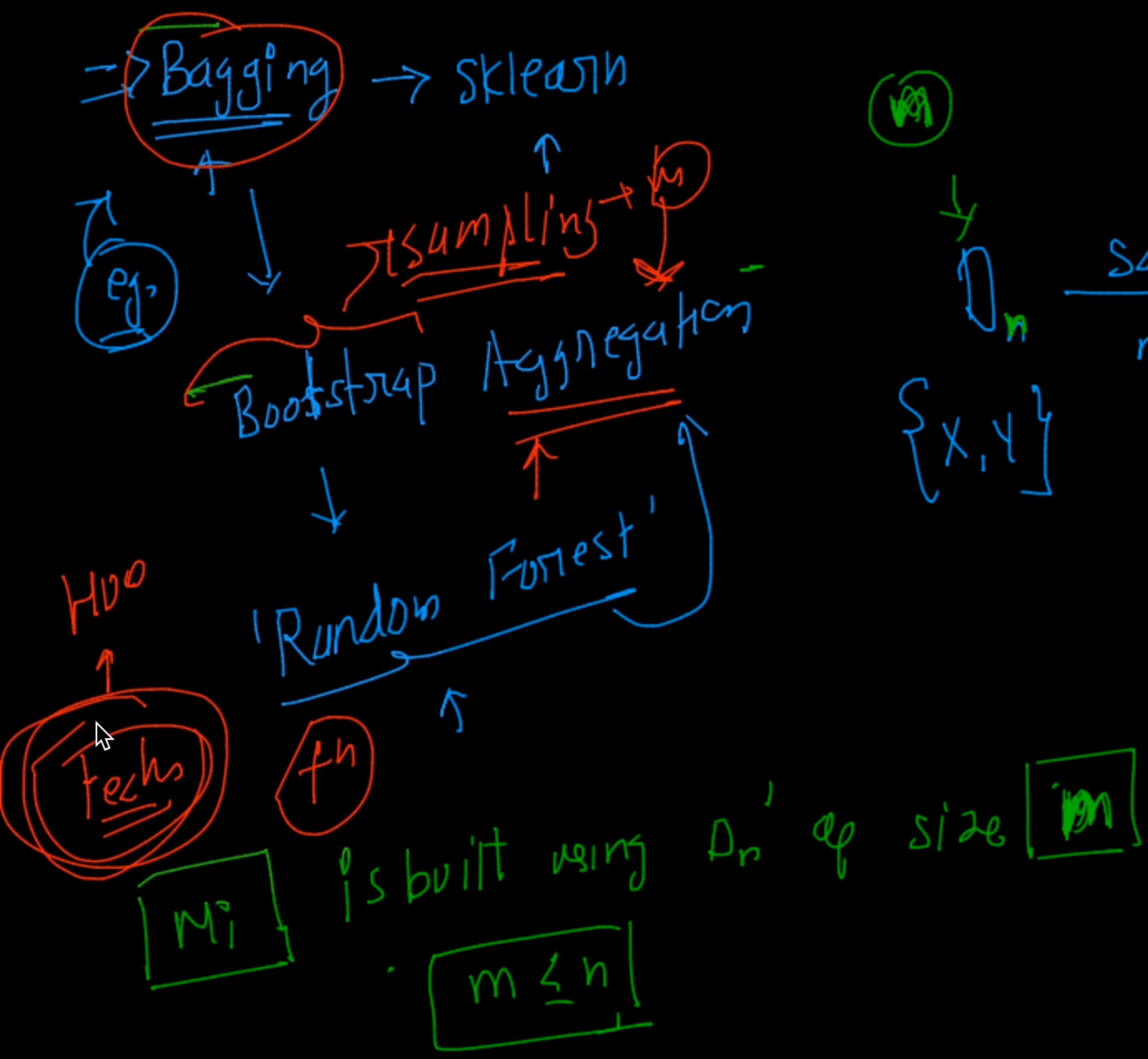
all(?)
Industries

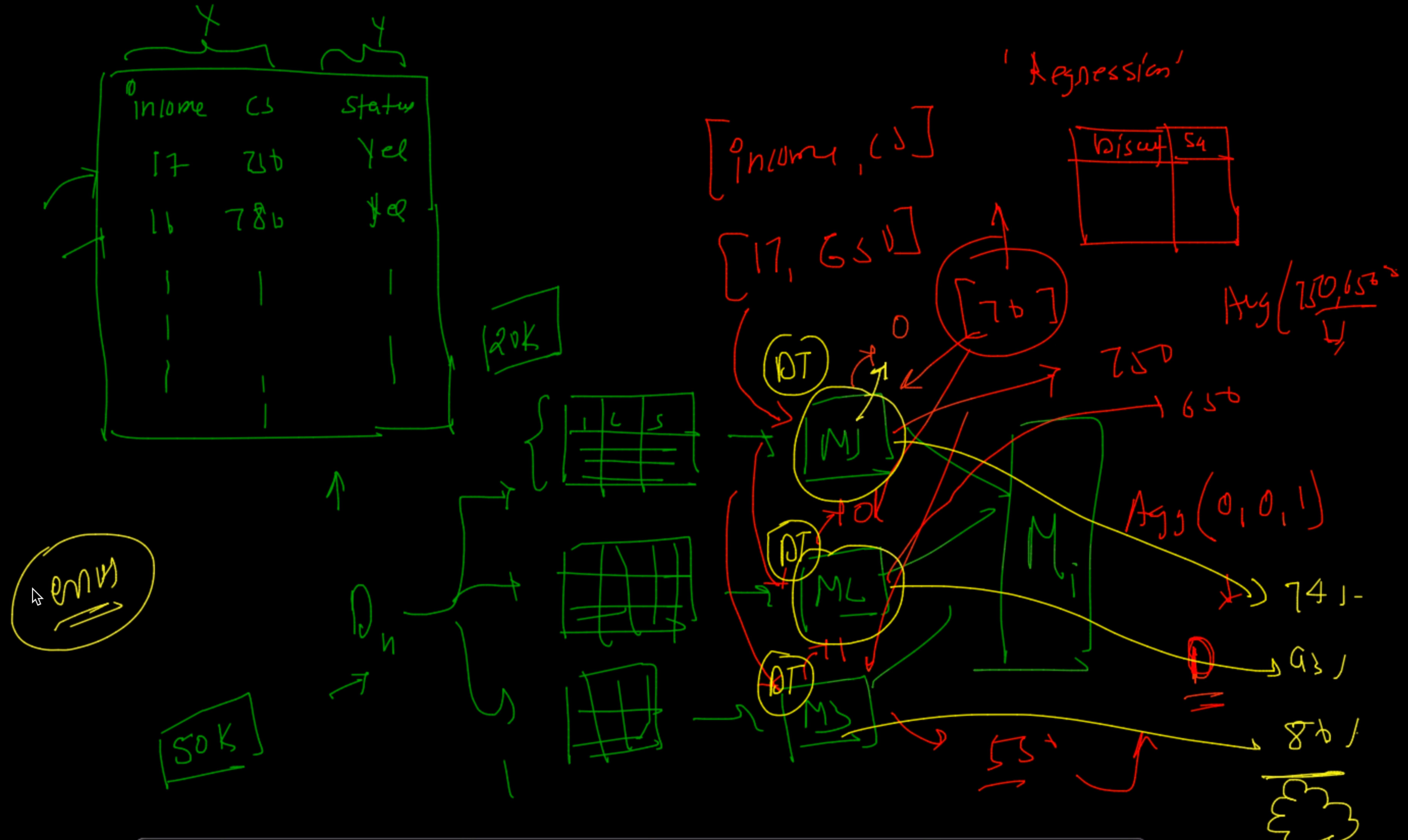
R



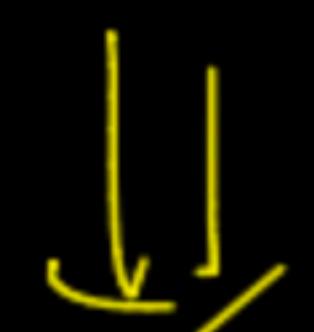
{ D Black Box
↑

?
↓
=

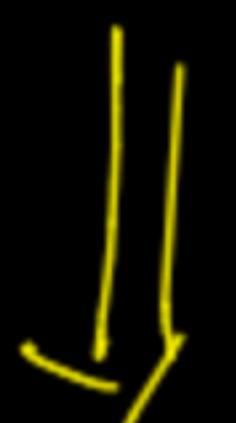




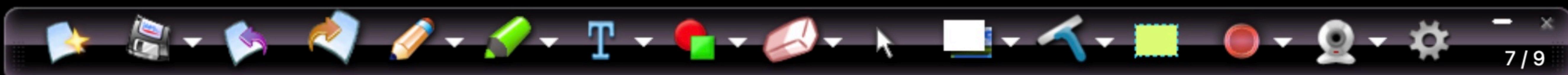
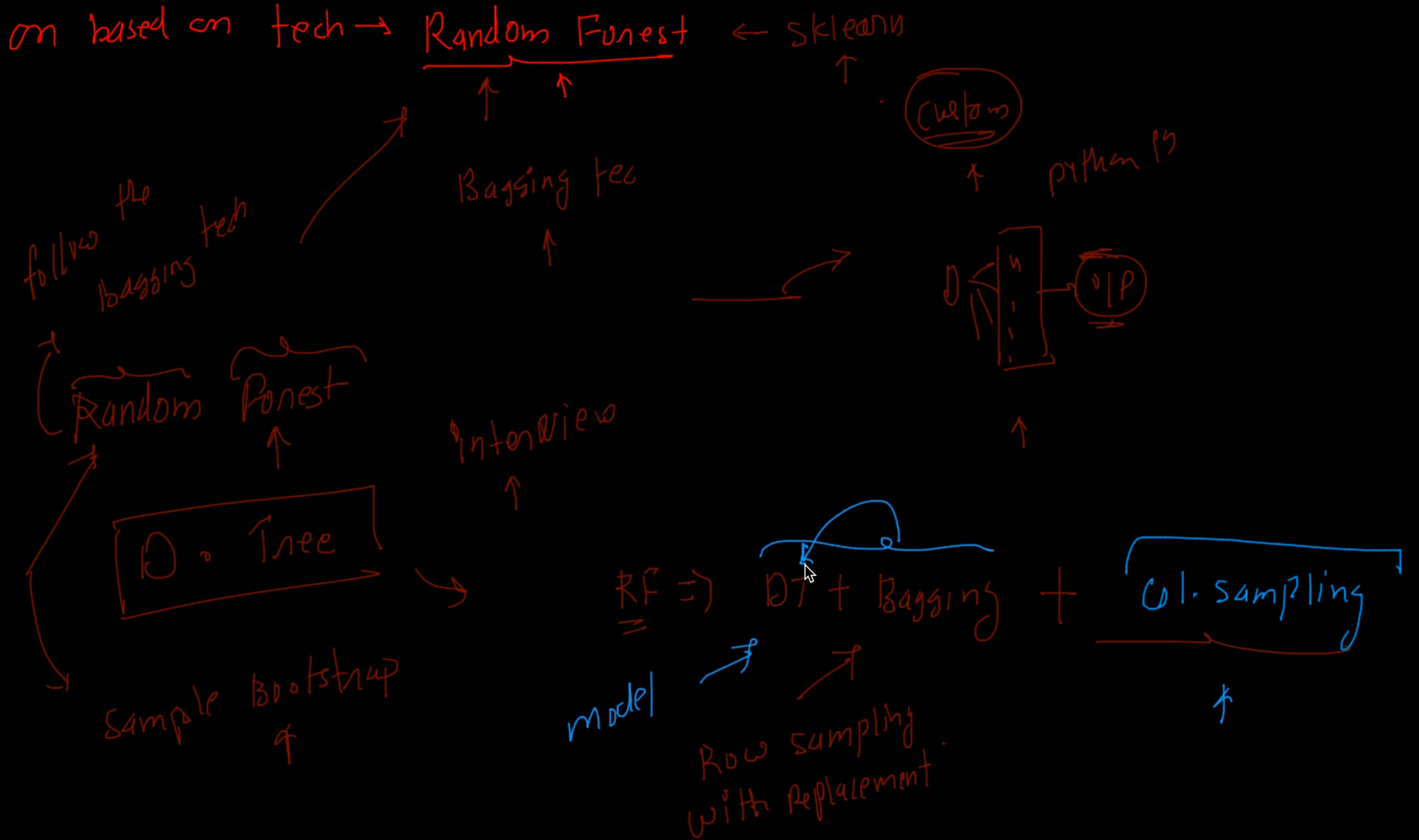
Bagging \rightarrow take bunch of low bias model and high var model



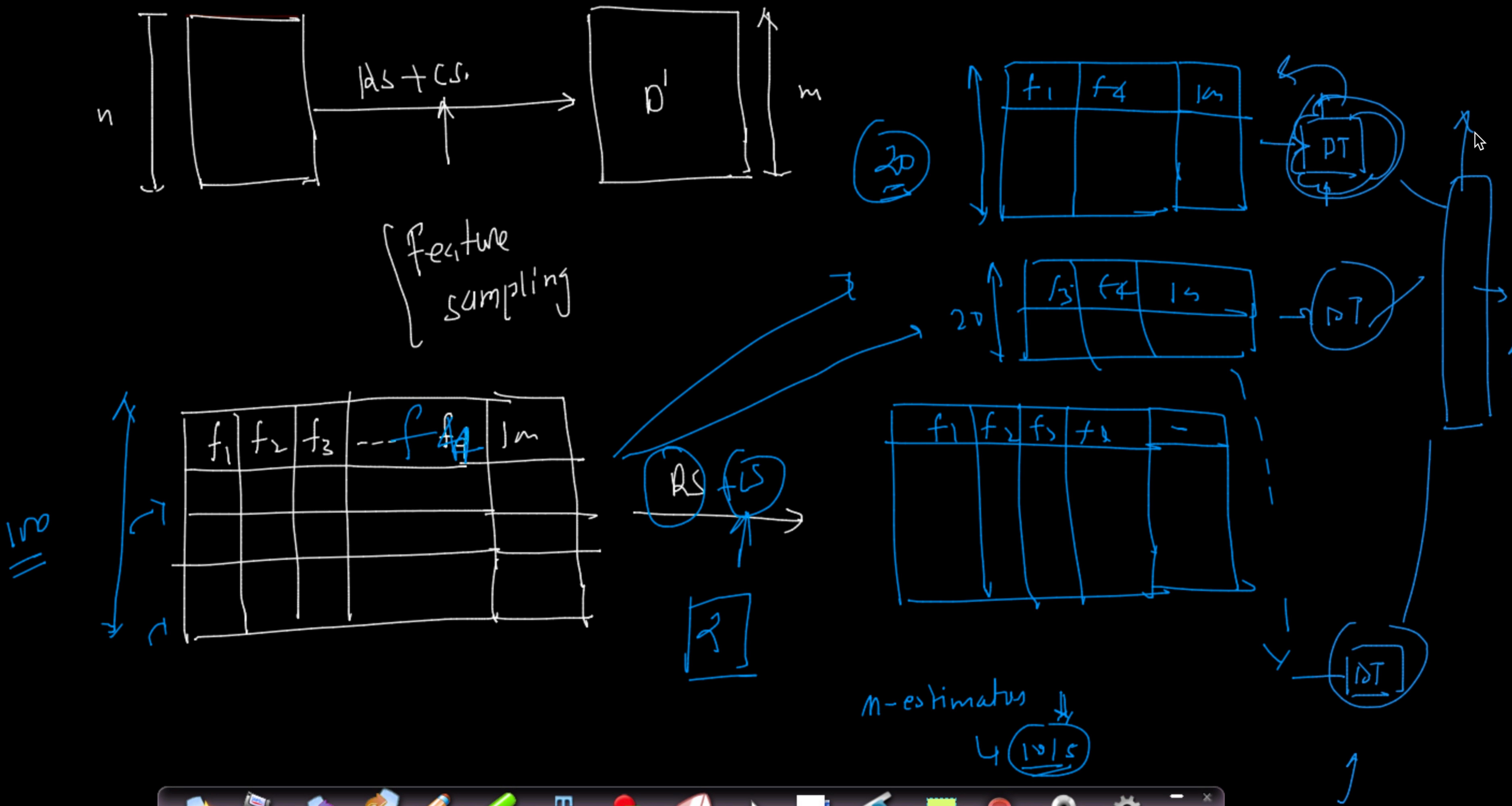
Combine using bagging

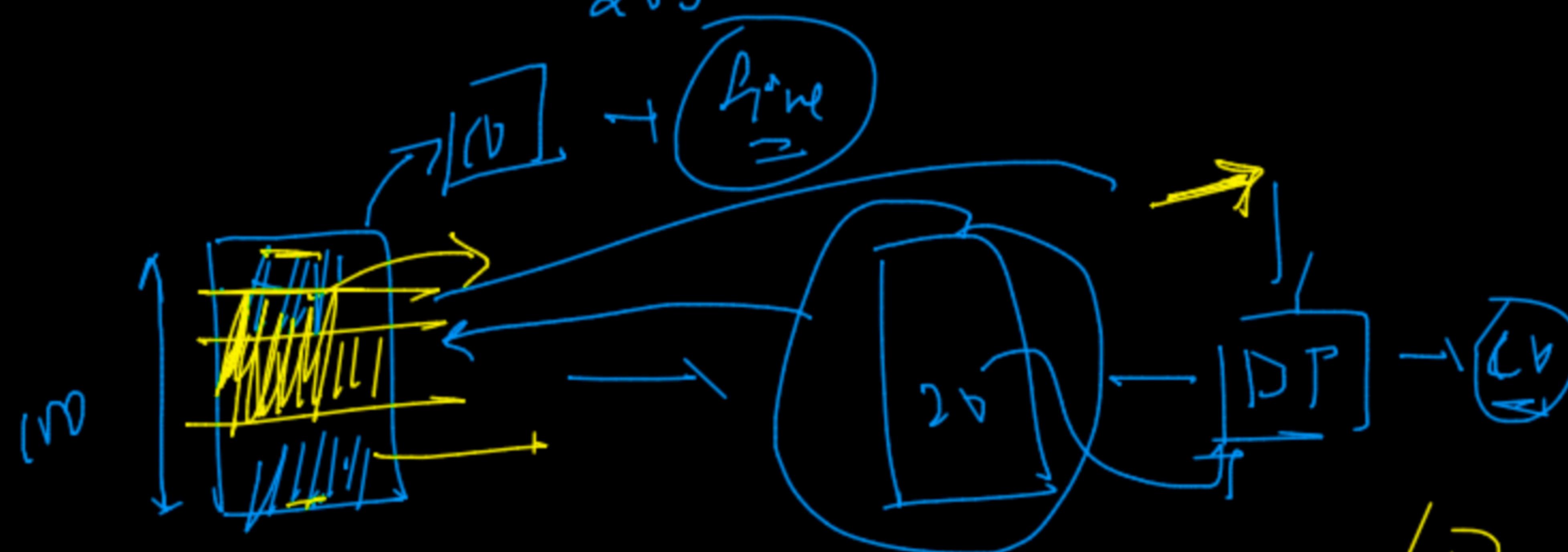
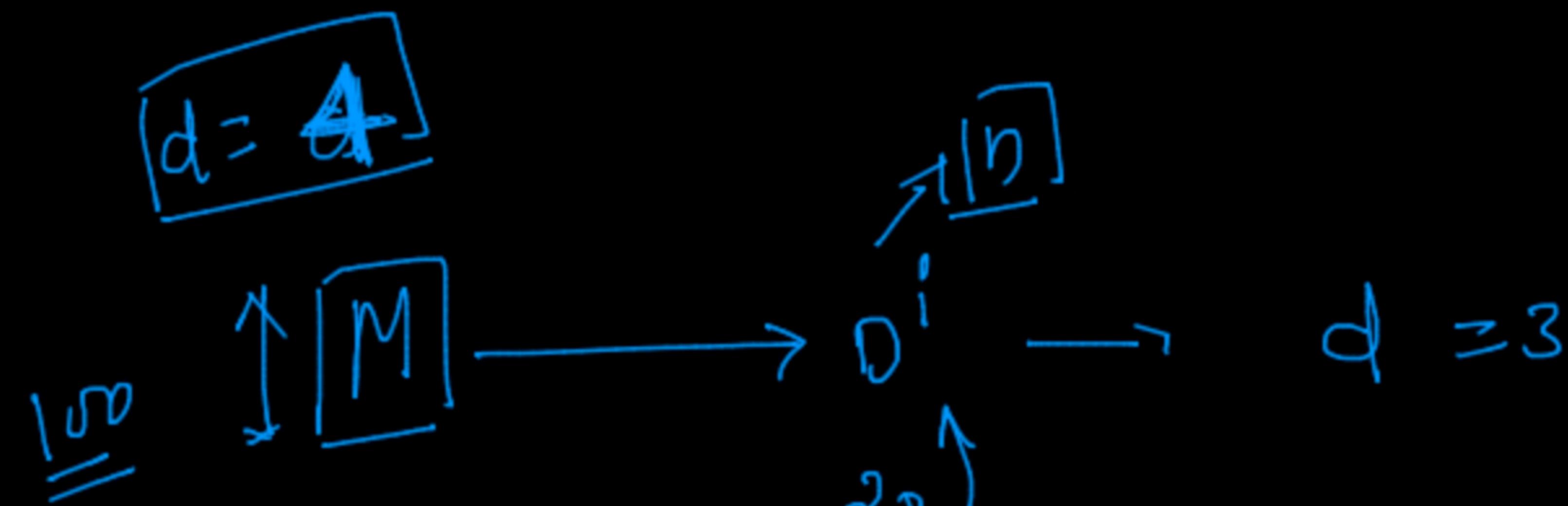


(low bias + low variance)



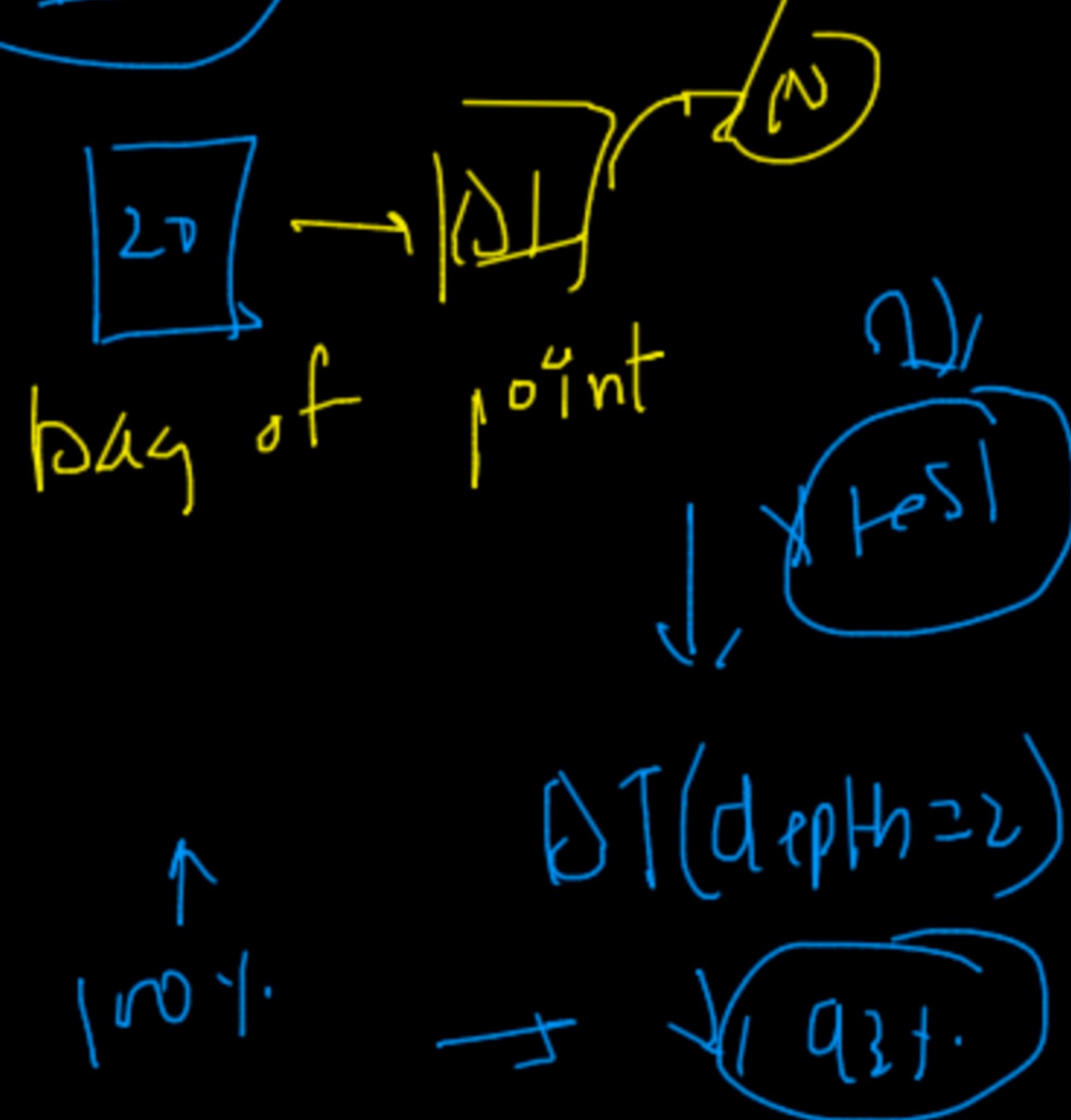
Training





$d \rightarrow CV$

find out



Fine tune

depth = ?

$D \leftarrow \text{train}$

$D \leftarrow \text{test}$

$d = 1$

$DT(1_n) \rightarrow f() \rightarrow \text{q3f.}$

$d = 2$

$DT(\text{train}) \rightarrow f'() \rightarrow \text{q3f.}$

\rightarrow

Exit

