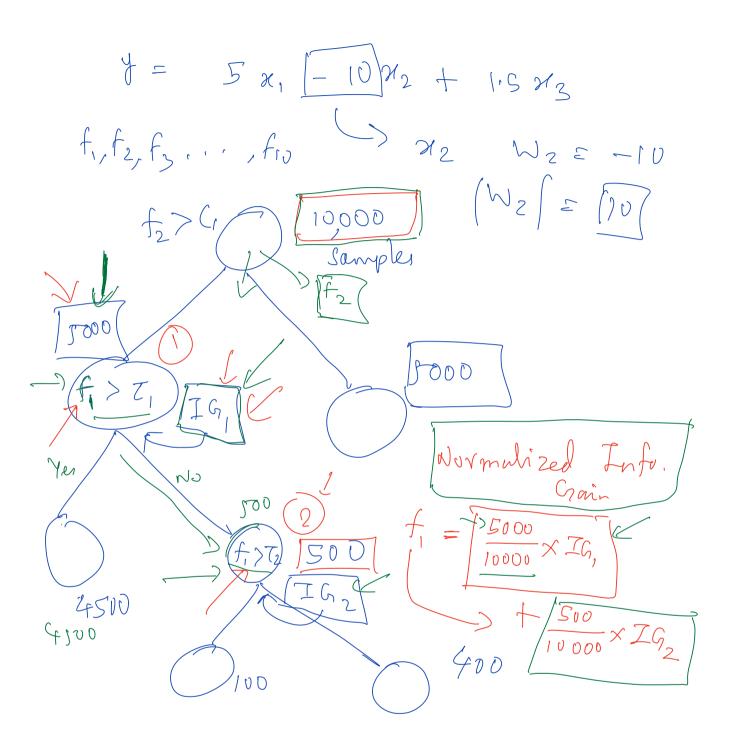


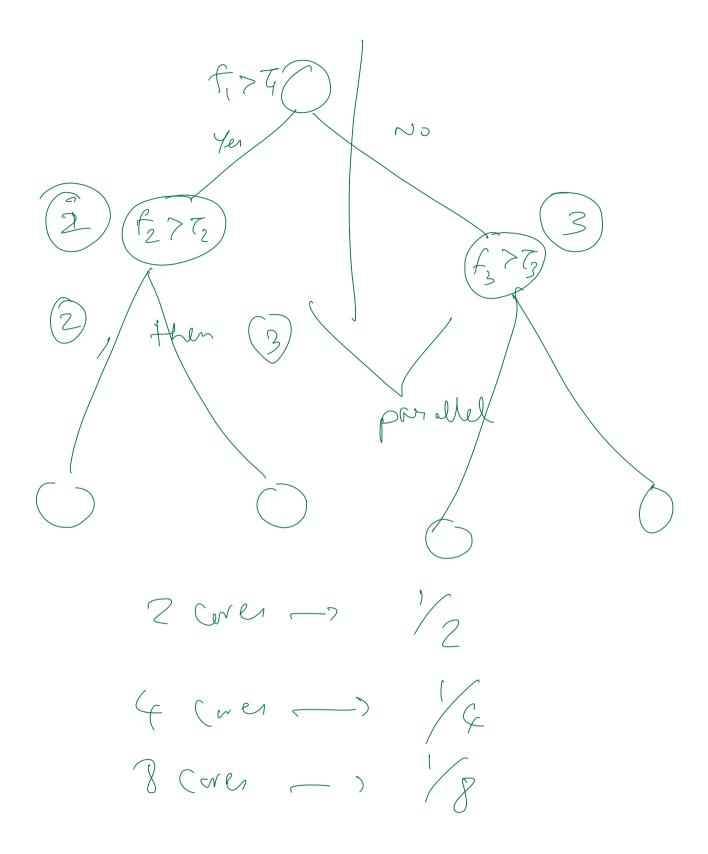
Trui A cc = 0.99 Test ACC = 0.75] Over filting > DT with large dopth - > over Li Hing 1) DT with depth = 5 Train ACC Test ACC 83% <2% > \\ 2\% \\ \] 2) DT with depth = 20 Train ACC Test Ace Model 1 -> pore stable

Model 1 -> len menory

Model 1 -> len lent moder -> len devisions being

model 1 -> len lent moder -> len devisions being len time < len learning happening 2 revores rieded _> Hence model 1 is better in general





Claui fication 50+ ve 50-10) N2; - VC 23:441 pred: fre tre -) impurity Iclan Foution entropy /gim 73: 4.5 Imean, median -----> Inn of clarges torget - 5 Pilyg (Pi) rauler

$$C_{1} = \frac{20}{MSE_{0}} \times MSE_{1}$$

$$WMSE = \frac{20}{100} \times MSE_{1}$$

$$+ \frac{80}{100} \times MSE_{2}$$

$$TC_{3} = \frac{MSE_{0} - WMSE_{2}}{MSE_{2}}$$

Charification

IGE Ep - W.F.C

ofentire = = category Marin = = More More / Female Tend = mil y CoxT