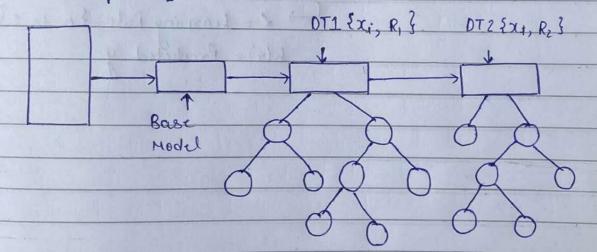


Exp sal	(y-g) laxy R,	Psedicted R,	(3+18/1)	(y-g)	
2 8	ok -25k	-23k	74-77	R3 -24-77	2700
	0K - 5K $0K - 5K$	-3k	74-97	-4.97	+
6 10	ook 25 K	20k	75.03	24-8	
y=7	5k	+ 1-1	Predicted fro	m DT1	

3 construct a decision tree. consider the input re and output R :



Predicted output: Base Molp + DTO/P 75 + (-23) = 52 -> very close loverfitting?

Thexefoxe, Predicted output: BM 9/P + x DT 9/P

hearning Rote & to 1} Predicted output Records 75+ 0.01 (23k) = 75-0.23K = 74.77K 75 + 0-01 (-3k) = 75 - 0-03k = 74.97k

75 + 0-01(3k) = 75 + 0-03k = 75-03k

75 + 0-01 (20k) = 75 + 0-2k = 76.2 k 4

Carple Carple block (FP) Note: This process of executing decision tree and predicting value then calculating residual error will keep on repeating until prediction become close ox accurate. 1 = < ho(x) + x2 h1(x) + x2 h2(x) + -- + xn hn(x) 1 = E dihica d z hearning Rate 20 to 13 h(x) = Predicted y IN THE LEGIST Perd + your seas & building bright could have a sent to sent the sent make to The state of the state of the state of the AFFORE = AFFOR SE SENTING FAR 1 FB-107 = 2125-0 - 125 = 112-112-3 1 25