

# Goal

impurity

purity

reduce

enhance

# overfit

D.T. is most overfitted  
model

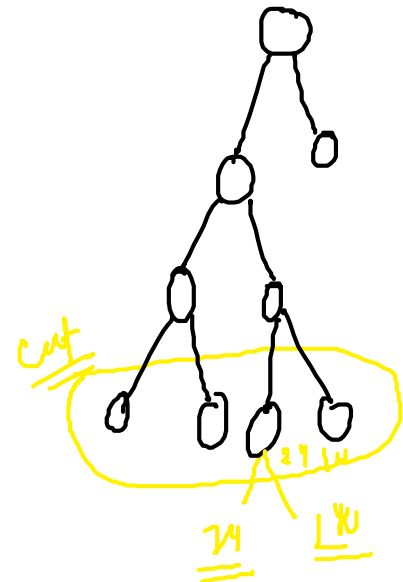
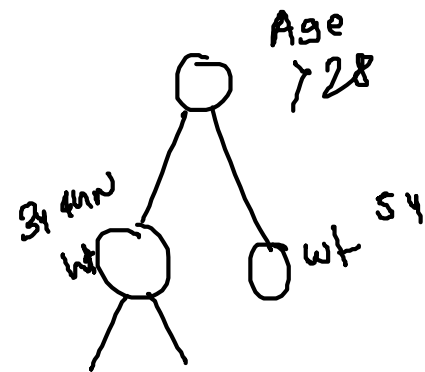
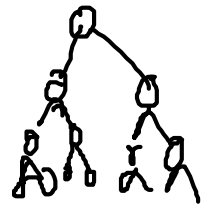
# Pruning

cut down the nodes

1) reduce complexity

2) Pre-Pruning = max depth = 3

CCP  $\rightarrow$  cost complexity pruning  
post pruning



hi