Learning Tree Pseudocode

make-tree(DS, level):

best = best\_column(DS) // pick property based on lowest entropy

Print(“---“\*level, name\_of(best),”?”)

For val in values(DS[best]) // every possible value for this property

new\_DS = extract(DS, best, val) // take only rows where best == val, return as

// A new dataset

If all\_same\_output(new\_DS) // there’s no more need to split

Print(“---“\*level, “>”, val, “:”, the\_output(new\_DS)

Else: // we need to split

Print(“---“\*level, “>”, val, “…”)

Make-tree(new\_ds, level) // recursively split this smaller DS