

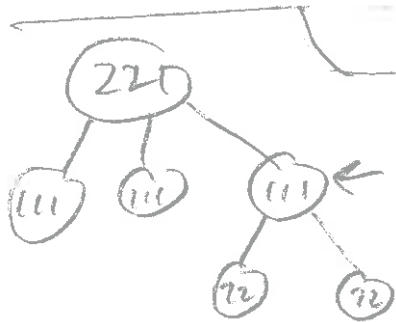
this is a leaf

mark as used

> if all are all true, fit this combo

recurse back up to right 111

\* Unmark chosen leaf

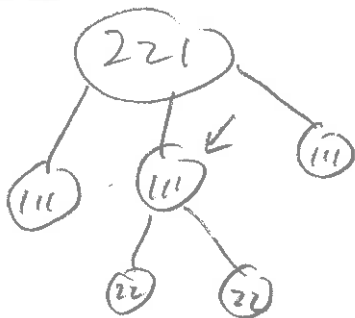


are there more combos to try?

→ No

recurse to middle 111

Unmark chosen leaves



are there more combos to try?

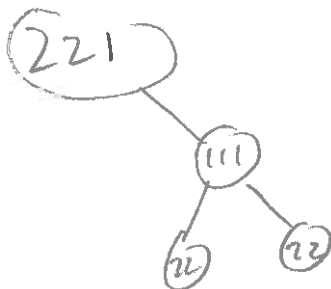
yes → choose next combo

→ unmark previously chosen leaves

choose  $[N_3, N_5]$

→ mark  $[N_3, N_5]$  as used

move back to right 111



generate all combos

recurse back down and tree  
back up until all combinations  
have been generated and tried