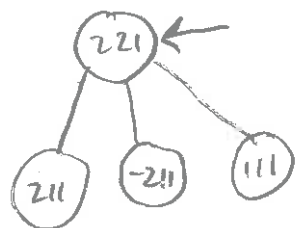Recursing to η

- get 221's leaves
  > we have $[211, -211, 22, 22]$
- generate all possible combinations for 221
  from unused part from T^*, N^*

(using same rules)

- combos: $\left[C_{1\pi}^+ \; C_{2\pi}^- \right] \left[N_1 \; N_2 \right]$ (only 7 combo again)

with a combo mark __immediate__ leaves used

for one type

- recurse to $211, -211$ these are leaves do nothing
- recurse to 111, this has children, enter here.

array states

$J/\psi : \left[C_{1\pi}^+ \; C_{2\pi}^- \; C_{7k}^+ \; C_{8k}^- \right]$

$\phi : \left[C_{7k}^+ \; C_{8k}^- \right]$

$\eta : \left[C_{1\pi}^+ \; C_{2\pi}^- \; N_1 \; N_2 \right]$

$\pi_0^0 : \left[x \quad x \right]$

used:

$\left[C_{1\pi}^+ \; C_{2\pi}^- \; C_{7k}^+ \; C_{8k}^- \right] \left[N_1 \; N_2 \right]$

$\left[1 \quad 1 \quad 1 \quad 1 \right] \left[0 \; 0 \right]$

Recursing to π^0
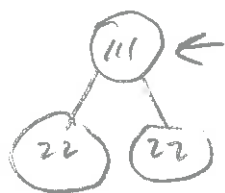
- get 111's leaves
  > we have $[22, 22]$
- generate all possible combinations for 221
  from unused particles from T^*, N^*

(using same rule)

- combos $\left[N_1 \; N_2 \right]$ (only 1 combo)

> mark immediate leaves used (since all are one type

recurse to 22's, they are leaves do nothing

#[All flags set, so, perform a __fit__]

(4)