elements do not matter, just order

1 2 3 4 5

$\boxed{<x}$ $\boxed{x}$ $\boxed{\geq x}$ $\boxed{\geq x}$ $\boxed{x}$ $\boxed{<x}$
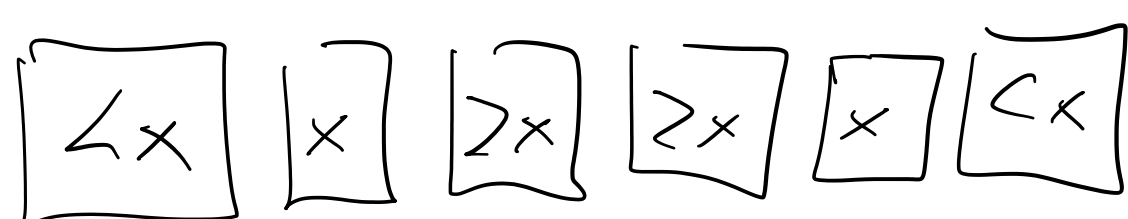
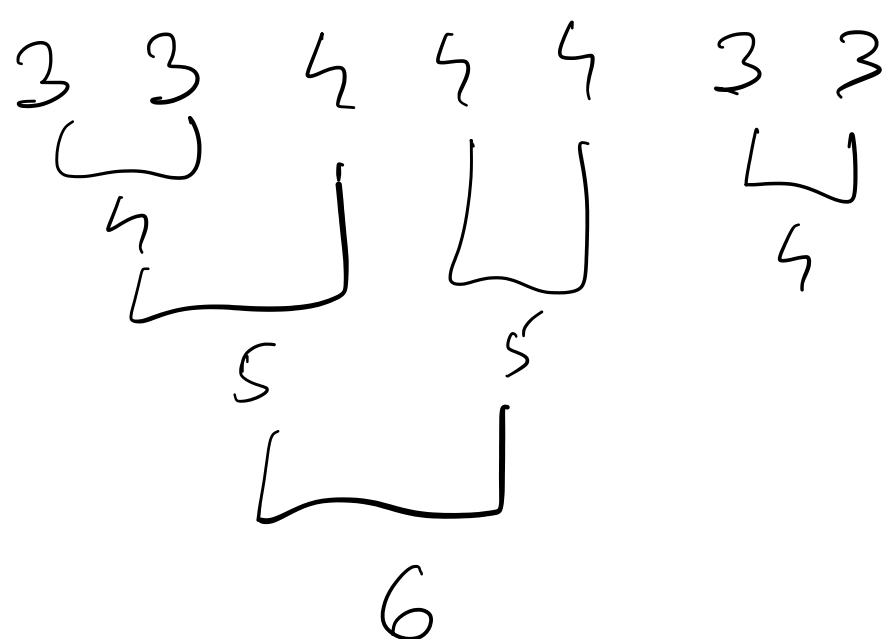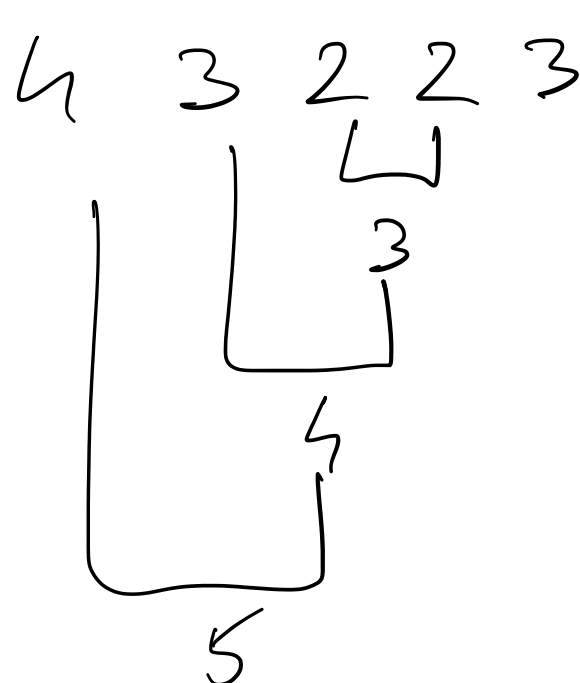# elts

$\nwarrow$ at least 1!

$<x$ $\cancel{x-1}$
$\geq x$ $n-x$

$$\sum_{i=1..n-2} \binom{m-x}{i} \binom{x-1}{n-2-i}$$

① n-1 distinct numbers $\binom{m}{n-1}$

② one repeated number, it cannot be max! n-2

③ 3 elements fixed, rest can go either left
or right 2^{n-3}

So: $\binom{m}{n-1} 2^{n-3} \cdot (n-2)$?

---

4 3 2 2 3

null cannot be collapsed
$C[i,j] : \text{Int}?$ = p can be collapsed to number p

Can we collapse a segment i..j?

DP by size of seg $[i,j]$?