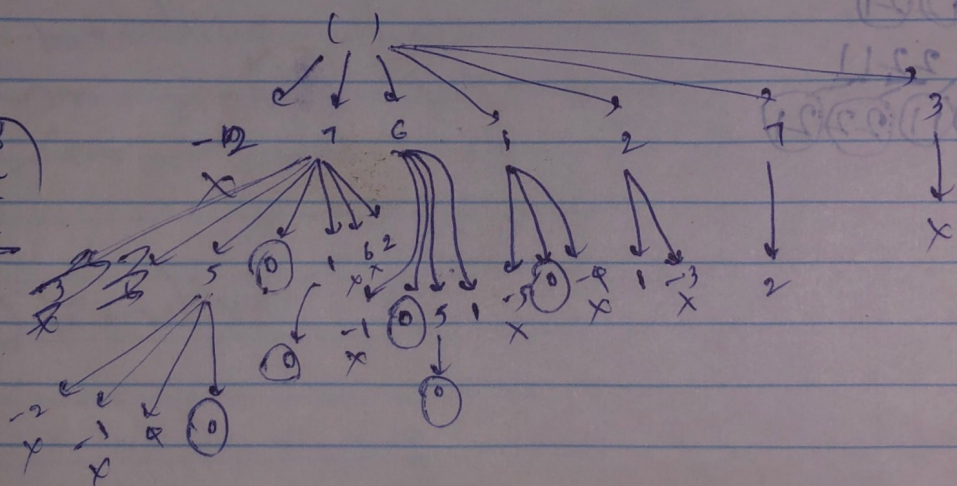


* Combination Sum II

Time Complexity $O(2^n)$



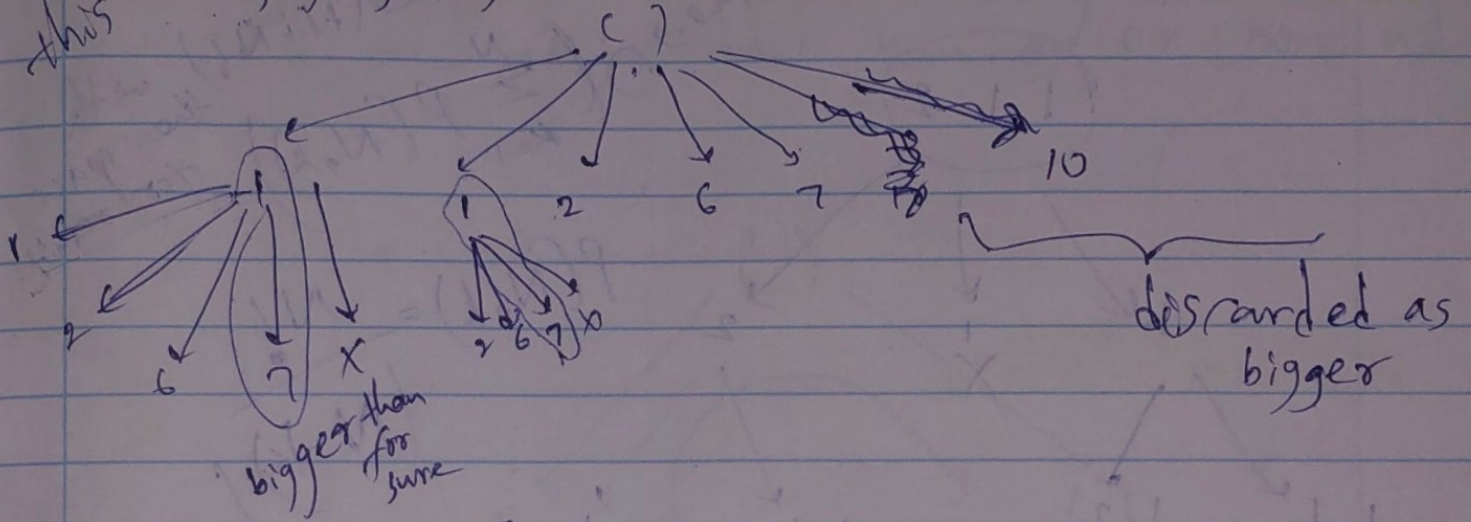
$1 \in S$
 $1, 6 \in S$
 $1, 6, 10 \in S$
 $1, 6, 18 \in S$
 $1, 6, 18, 5 \in S$

Atlas

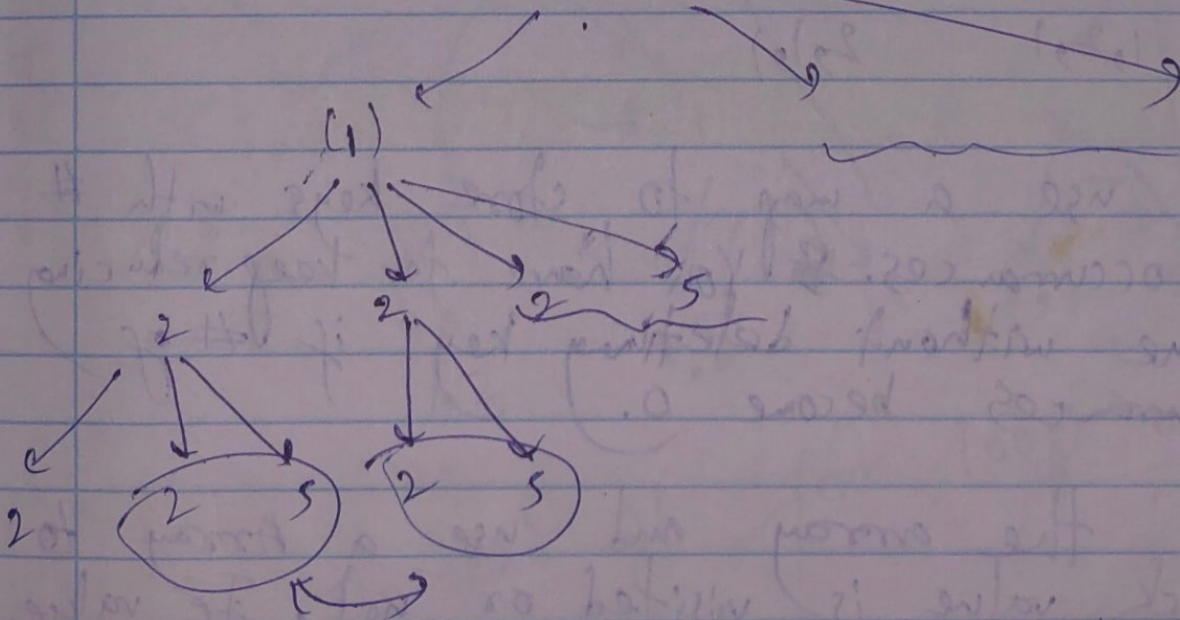
No: _____

Date: ____/____/____

this is an optimization.
1, 1, 2, 6, 7, 10



$$(1, 2, 2, 2, 5) \rightarrow 5$$



both are same; causes the same result in parent.