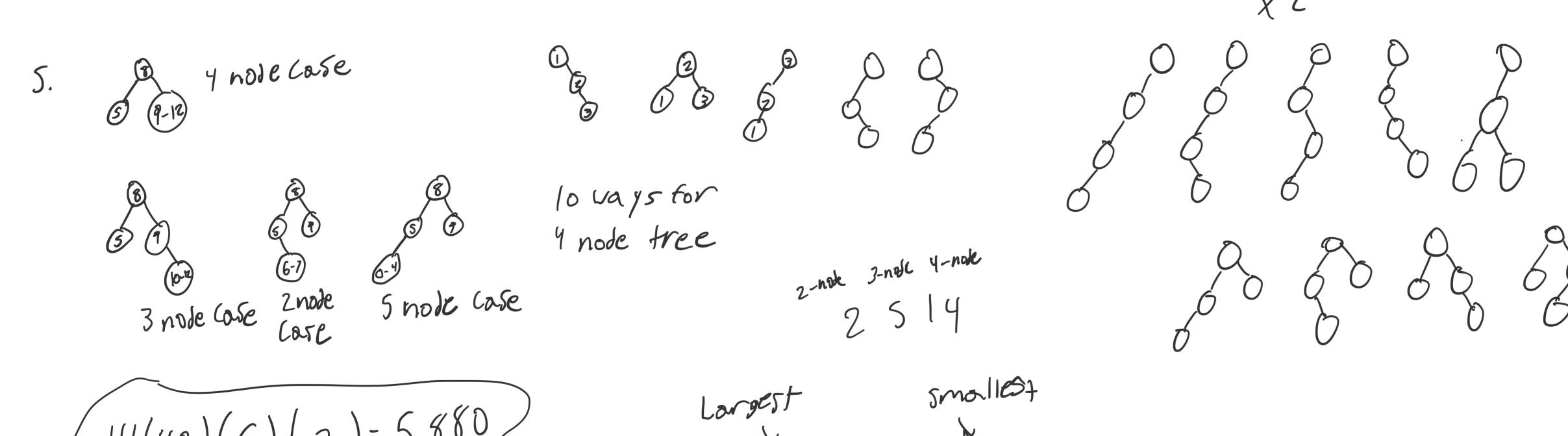
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$$\left[-\binom{3}{i}\binom{2}{1}\binom{2}{1}\binom{2}{1} + 2\binom{3}{2} \right]$$

$$2. \binom{5}{1} \binom{4}{1} \binom{5}{1}$$

3. a)
$$\binom{9}{1}\binom{7}{1}\binom{5}{1} + \binom{9}{2}\binom{7}{0}\binom{5}{1} + \binom{9}{2}\binom{7}{1}\binom{5}{0} + \binom{9}{3}\binom{7}{0}\binom{5}{0}$$

$$4. (5,1,0,0) (4,2,0,0) (3,3,0,0) (4,1,1,0) (3,2,1,0) (2,2,2,0) (3,1,1,1) (2,3,1,1)$$



3 node 3 node case o case 5

15+15+5+5+2+2=42 for 5-n0de

2 nove/ cose 0