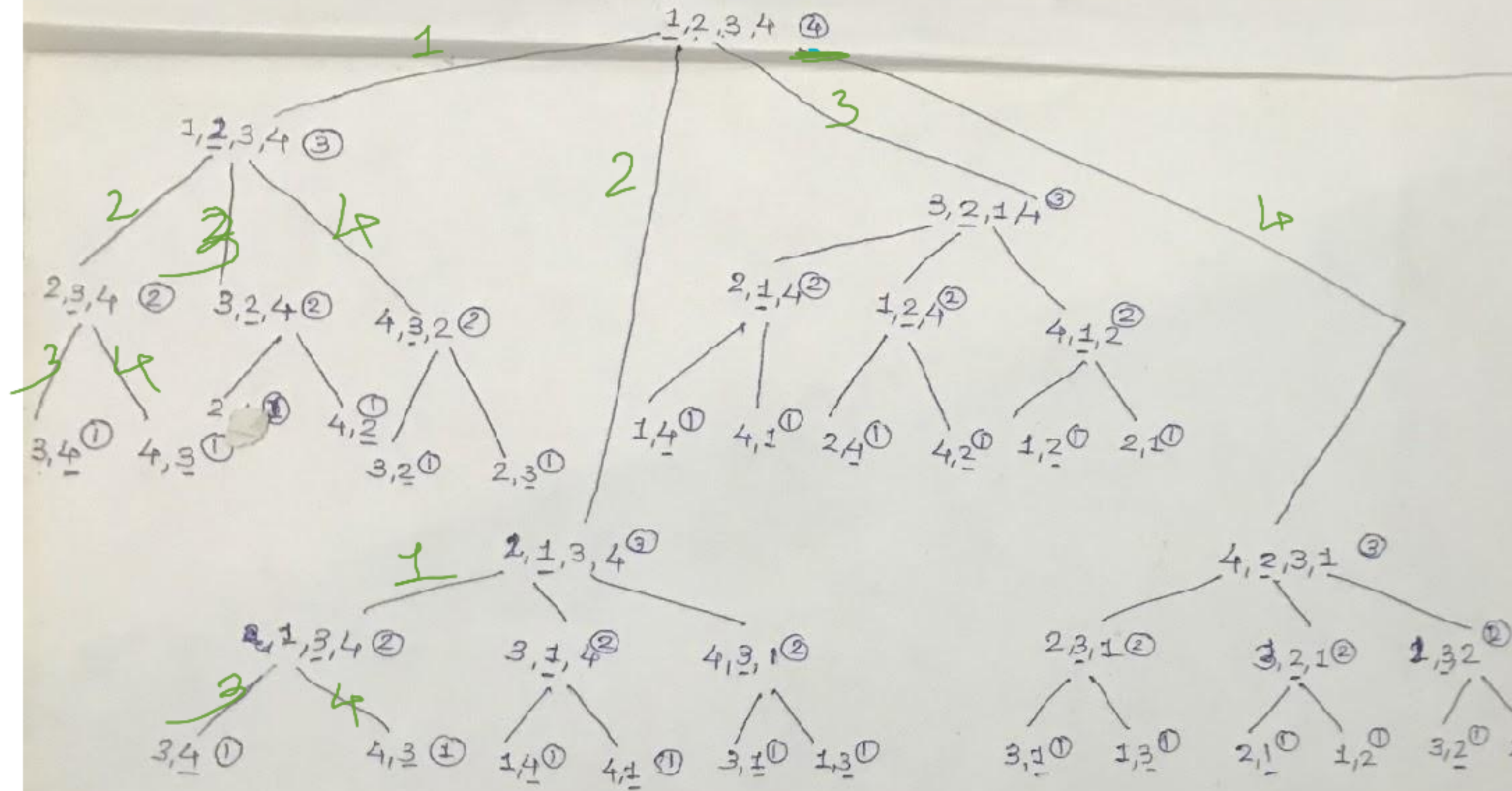


Permutation Trees

$$\begin{array}{l|l} n1 & 1 \Rightarrow 1 \\ n2 & 1, 2 \Rightarrow (1, 2), (2, 1) \\ n3 & 1, 2, 3 \Rightarrow (1, 2, 3), (1, 3, 2) \\ & \quad (2, 1, 3), (2, 3, 1) \\ & \quad (3, 1, 2), (3, 2, 1) \end{array}$$

Permutations Generation.



(No): No indicates the function call, how many time should be done in down link.
 when $n=1$ display upto that array.

$n!$ results we expect

$10! \Rightarrow 3,628,800$

3.6 M

$\frac{10^6}{\text{VSEng}}$

Assignment :

Explore decision tree