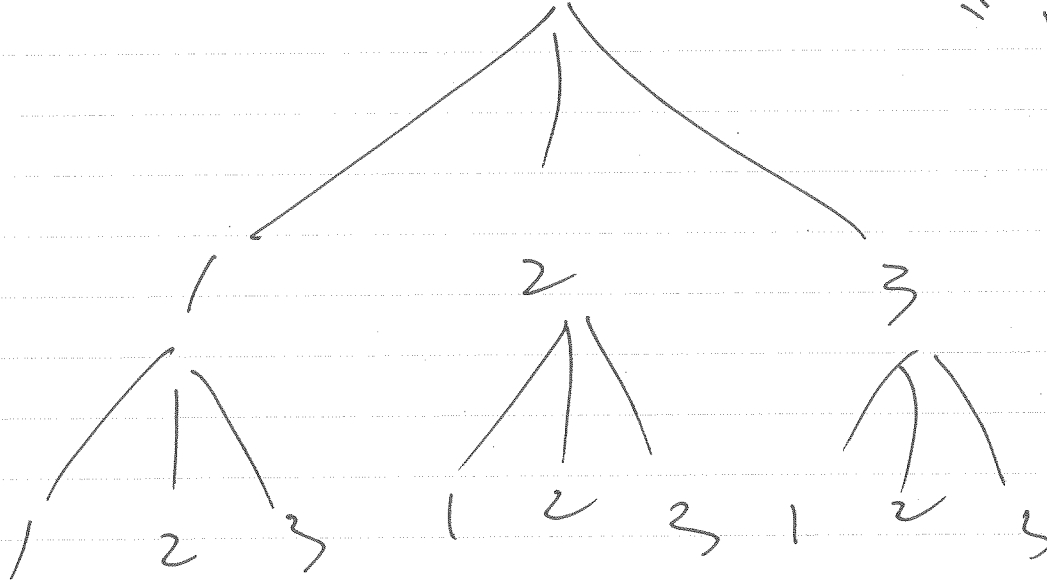
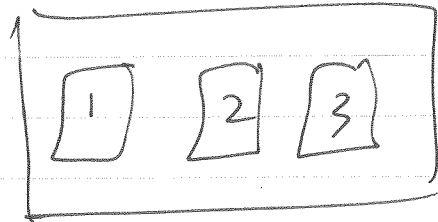


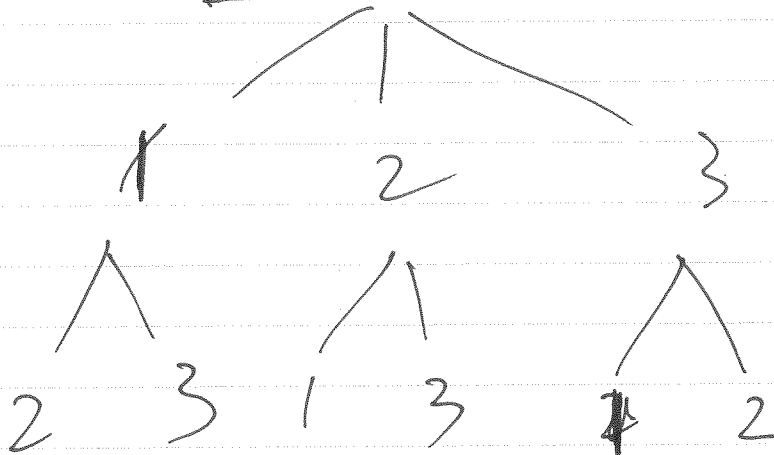
"WITH
REPLACEMENT"



Total no.
ways
 $= 3 \times 3 = 9$



"WITHOUT
REPLACEMENT"



Total no.
ways
 $= 3 \times 2 = 6$

$$\begin{array}{ccccccc}
 & & & & 1 & & \\
 & & & 1 & & 1 & \\
 & & 1 & & 2 & & 1 \\
 & 1 & & 3 & & 3 & & 1 \\
 & 1 & 4 & & 6 & & 4 & & 1 \\
 1 & 5 & & 10 & & 10 & & 5 & & 1
 \end{array}
 \leftarrow \binom{3}{0} \binom{3}{1} \binom{3}{2} \binom{3}{3}$$

$$\begin{array}{cccccc}
 H & T & H & H & T & T \\
 \hline
 1 & & 3 & 4 & &
 \end{array}$$