$$C_{p} = \frac{1}{p+1} \left(\frac{2n}{p} \right)$$

$$C_{p} = \frac{1}{p+1} \left(\frac{2p}{p} \right) \left(\frac{2p-1}{p-1} \right) \left(\frac{p+2}{p+1} \right)$$

$$\frac{1}{p} \left(\frac{2p}{p-1} \right) \left(\frac{p+2}{p-1} \right) \left(\frac{p+2}{p-1} \right)$$

$$C_{p} \text{ mod } p$$

Closure property: positive rational number × positive rational number
$$= positive$$
 rational number $= positive$ $= positiv$

3.
$$119 = 19 \times 41$$
 9×41 9×41 $9 \times 40 = 120$ $9 \times 40 = 18 \times 40 = 120$ $9 \times 40 = 18 \times 40 = 120$ 9×40

don't votate or clock wise anticlockwise rotate 60 120° (80° 2) Same (= (80° > total > 6 ways (1) votate 0° 26.36 ro-late 60 (clock, auticlock same) adjacent edge / vertex

have to be same color

2x3 2 3

P. rotate 180°

$$2^{3} \cdot 3^{3} \cdot 3^{3$$