

Recursion

$$n! = n \cdot (n-1)(n-2)(n-3) \dots 1$$

$$4! = \underbrace{4 \cdot 3 \cdot 2 \cdot 1}$$

$$5! = 5 \cdot 4!$$

$$\underline{n!} = n \cdot \underline{(n-1)!}$$

$$\underline{(n-1)!} = (n-1)(n-2)!$$

$$1! = 1$$

Recursive

