Factorial: O(n)

```
n = n - 1
```

Start

```
n = 5
```

```
x = n-1
subFact = (x)!
term_n = n * term_x
```

```
n > 1
```

```
Push term_n
to the
CallQueue
```

```
push t_n
to the
CallStack
```

```
n = n + 1
```

Step2: Stack/Resolved Dependent functions

```
Push t_n to
the CallStack
```

```
x = n - 1
subFact = x!
term_n = n * term_x
```

```
n < 5
```

yes

no

```
return
term_n
```

Stop