Factorial- Daniel Voznyy

Trace 1 = 5!

f() is being used as the method name instead of factorial() for simplicity

```
f(5);

= 5 * f(4);

= 5 * (4 * f(3));

= 5 * (4 * (3 * f(2)));

= 5 * (4 * (3 * (2 * f(1))));

= 5 * (4 * (3 * (2 * (1 * f(0)))));

= 5 * 4 * 3 * 2 * 1 * 1

= 120
```

returns 120

Trace 1 = 7!

```
f(5);

= 7 * f(6);

= 7 * (6 * f(5));

= 7 * (6 * (5 * f(4)));

= 7 * (6 * (5 * (4 * f(3))));

= 7 * (6 * (5 * (4 * (3 * f(2)))));

= 7 * (6 * (5 * (4 * (3 * (2 * f(1))))));

= 7 * (6 * (5 * (4 * (3 * (2 * (1 * f(0)))))));

= 7 * 6 * 5 * 4 * 3 * 2 * 1 * 1

= 3600
```

returns 3600