

**call\_until\_one**

Say we have a function, `call_until_one`, that takes a function we are interested in as an argument. It would return another function, that, when called on a number, would tell you how many times you can call that original function on the number until it will return a value less than or equal to 1. For instance:

```
>>> f = call_until_one(lambda x: x - 1)
>>> f(100)
99
```

```
>>> g = call_until_one(lambda x: x / 2)
>>> g(128)
7
```

The first call returned 99, since you can subtract 1 from 100 ninety-nine times before you will get a value that is less than or equal to 1. Similarly, the second call returned 7, since you can divide 128 in half 7 times before you will get a value that is less than or equal to 1.

Write `call_until_one`. You can assume the argument function will always return a value smaller than the value you pass it (i.e. this process will always converge).