

Using the `recurs_until()` function

```
>>> recurse_until(lambda n: n==1, syracuse2, 9)
<generator object recurse_until at 0x1021278c0>
```

- ◆ What's that?
- ◆ That's how a lazy generator looks
 - ◆ It didn't return any values because we didn't demand any values

Getting the list of values

- ◆ Making a lazy generator do some work

```
>>> recurse_until(lambda n: n==1, syracuse2, 9)
```

```
>>> list(_)
```

```
[9, 28, 14, 7, 22, 11, 34, 17, 52, 26, 13, 40,  
20, 10, 5, 16, 8, 4, 2, 1]
```

- ◆ The `_` is the previously computed value