In [8]:
```python
import ctypes, time
shared_lib = ctypes.CDLL('./shared_lib.so')

#cycle_count()
#init_ctr(int32_t reset, int32_t en_div)
```

In [9]:
```python
def recur_fibo(n):
    if n <= 1:
        return n
    else:
        return(recur_fibo(n-1) + recur_fibo(n-2))
```

In [10]:
```python
def find_time(n):
    shared_lib.init_ctr(1,1)
    before_t = time.time()
    before_cc = shared_lib.cycle_count()
    recur_fibo(n)
    after_t = time.time()
    after_cc = shared_lib.cycle_count()
    print('cycle count: {}'.format(after_cc-before_cc))
    print('time: {}'.format(after_t-before_t))
    pass
```

In [31]:
```python
nterms = int(input("How many terms? "))
find_time(nterms)
```

```
How many terms? 30
cycle count: 37653620
time: 3.7074217796325684
```

In [ ]: