big O fun

~/Repos/code/python/fibonacci ❯❯❯ time python fibunacci-recursive.py 10
10
55
python fibunacci-recursive.py 10 0.02s user 0.03s system 94% cpu 0.046 total
 ~/Repos/code/python/fibonacci ❯❯❯ time python fibunacci-recursive.py 15
15
610
python fibunacci-recursive.py 15 0.01s user 0.02s system 93% cpu 0.038 total
 ~/Repos/code/python/fibonacci ❯❯❯ time python fibunacci-recursive.py 20
20
6765
python fibunacci-recursive.py 20 0.02s user 0.02s system 93% cpu 0.044 total
 ~/Repos/code/python/fibonacci ❯❯❯ time python fibunacci-recursive.py 25
25
75025
python fibunacci-recursive.py 25 0.04s user 0.02s system 93% cpu 0.060 total
 ~/Repos/code/python/fibonacci ❯❯❯ time python fibunacci-recursive.py 30
30
832040
python fibunacci-recursive.py 30 0.32s user 0.02s system 98% cpu 0.348 total

```
 ~/Repos/code/python/fibonacci >>> time python
fibunacci-recursive.py 35
35
9227465
python fibunacci-recursive.py 35  3.33s user 0.03s
system 99% cpu 3.367 total
 ~/Repos/code/python/fibonacci >>> time python
fibunacci-recursive.py 40
40
102334155
python fibunacci-recursive.py 40  36.92s user 0.08s
system 99% cpu 37.043 total
 ~/Repos/code/python/fibonacci >>> time python
fibunacci-recursive.py 45
45
1134903170
python fibunacci-recursive.py 45  412.35s user 1.24s
system 99% cpu 6:55.68 total
```

Table 1

10	0.046			
15	0.038			
20	0.044			
25	0.060			
30	0.348			
35	3.367			
40	37.043			
41	62.00			
42	98.34			
43	158			
44	258.29			
45	412.45			