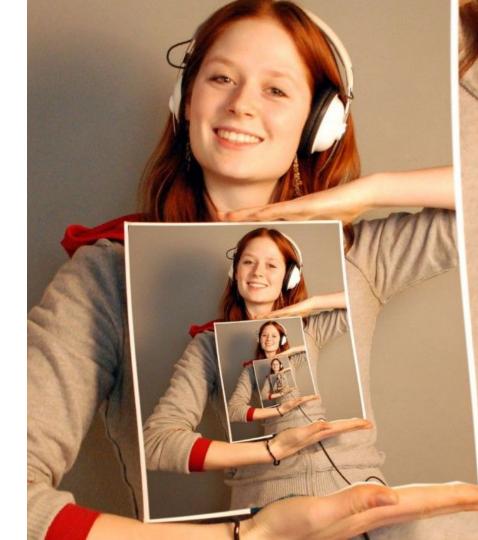
[15-112] Lecture 21



MC3. [2pt] What is the efficiency of the following code? Select the best answer (fill in one circle).

def big0h3(L): n = len(L)x = y = 0while (x < n**2):</pre> 2 **while** (y < n**2): 5 2 2 print("y") y += 3 print("x") x += 4

O 0(1)

O 0(N)

O 0(N²)

O 0(N³)

O 0(N⁴)

Lecture 21: Poll 1 Which option(s) describe how you're feeling about TP season? Choose all that apply.

- A. Excited to make something technically cool
- B. Nervous that my workload will go up
- C. Excited to do something with my creativity
- D. Nervous that I won't get as far as I want
- E. Excited to see what other students create
- F. Nervous that my project won't be as good as others
- G. Confident that I can create the idea on my head
- H. Nervous about not getting the grade I want
 - I. No particularly strong feelings at the moment

Lecture 21: Poll 2 (SOLO) How many times is f(n) called when n=5? A. 5 B. 10 def fib(n): C. 15 **if** (n < 2): D. 30 return 1 E. None of else: the return fib(n-1) + fib(n-2)above F. I don't know

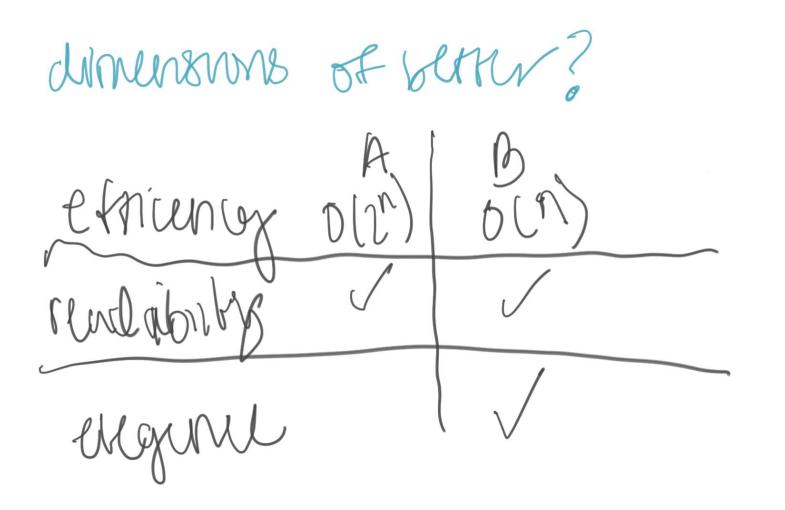
Lecture 21: Poll 2 (GROUP) How many times is f(n) called when n=5? A. 5 B. 10 def fib(n): C. 15 **if** (n < 2): D. 30 return 1 E. None of else: the return fib(n-1) + fib(n-2)above F. I don't know

bonall 0(1.6180) 3 2. Cimplex, 5715

```
Lecture 21: Poll 3 (SOLO)
Which is better?
```

```
Α.
 def fib(n):
     if (n < 2):
          return 1
     else:
          return fib(n-1) + fib(n-2)
Β.
def fib(n):
    a, b = 1, 1
    for i in range(n):
        a,b = b,a+b
    return a
```

- C. Neither
- D. Both are equally good
- E. I don't know



Lecture 21: Poll 3 (GROUP) Which is better?

```
Α.
 def fib(n):
     if (n < 2):
          return 1
     else:
          return fib(n-1) + fib(n-2)
Β.
def fib(n):
    a, b = 1, 1
    for i in range(n):
        a,b = b,a+b
    return a
```

- C. Neither
- D. Both are equally good
- E. I don't know