CS 61A Spring 2016

Structure and Interpretation of Computer Programs

DISCUSSION QUIZ 10 SOLUTIONS

1. (10 points) Kristin's Question

For each row below, write the output displayed by the interactive Python interpreter when the expression is evaluated. Expressions are evaluated in order, and **expressions may affect later expressions**.

If nothing is output, write N/A. If the interpreter would report an error, write ERROR. You *should* include any lines displayed before an error. Assume that you have started Python 3 and executed the following:

```
class Bar:
    def __init__(self, n):
        self.n = n
        self.curr = 0
    def __next__(self):
        self.curr = (self.curr + 1) % self.n
        return self.curr
    def __iter__(self):
        return self
def baz(m):
    print('a')
    it, x = Bar(4), 0
    while x < m:
        print('b')
        yield x
        print('c')
        x += next(iter(it))
```

Expression	Interactive Output	Expression	Interactive Output
<pre>print('d')</pre>	đ	<pre>print('f', next(b))</pre>	c b f 1
b = baz(7)	N/A		c b
<pre>print('e', next(b))</pre>	a b e O	<pre>print([x for x in b])</pre>	c b c b c [3, 6, 6]