

Name:

Introduction to Programming in Python, I Semester, 2014–2015

Quiz 4, 17 September 2014

1. Complete the following recursive definition to reverse a list. Insert exactly one expression for each of the `return` statements.

```
def myreverse(l):
    if l == []:
        return (          1          )
    else:
        return ( l[-1:] + myreverse(l[:-1]) )
```

(5 marks)

2. What is the value of `pairs` after the following assignment?

```
pairs = [ (x,y) for x in range(4) for y in range(3) if (x+y)%2 != 0 ]
```

(5 marks)

```
pairs : [(0, 1), (1, 0), (1, 2), (2, 1), (3, 0), (3, 2)]
```