**UNOFFICIAL QUIZ *for* PRACTICE**

# QUIZ 9

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**This quiz will not count towards your grade.** It exists to simply gauge your understanding. You will have 5 minutes to complete this quiz. In that timespan, your goal is to complete the second question and at least attempt the first.

## 01. EXCEPTIONS

Complete the following function riki_tiki_tavi so that it outputs `riki`, `tiki`, and `tavi` in that order. Remember that mutable default arguments maintain state across function calls.

```
def riki_tiki_tavi(n, a=(), lst=['riki', 'tiki', 'tavi']):
    """
    >>> riki_tiki_tavi(2)
    riki
    tiki
    >>> riki_tiki_tavi(2) # starts from tavi, where it left off
    tavi
    riki
    """
    if n > 0:
        lst.append(____________________)
        print(_____________)
        try:
            a[1000]
        except IndexError:
            riki_tiki_tavi(_________________________)
        except KeyError:
            riki_tiki_tavi(_____________________________)
        except TypeError:
            riki_tiki_tavi(_________________)
```

## 02. A HAMBURGER INTERPRETER

A valid hamburger is any set of pairs representing a line of scheme code, where the statement is properly wrapped with parentheses. Each parenthese is a bun, and all closing buns must match an opening bun. **Hint:** Use `buns.pop` and `buns.append`.

```
def valid_hamburger(pair):
    """
    >>> valid_hamburger(Pair('(', Pair('(', Pair('quote', Pair('o',
    ... Pair(')', Pair(')', nil)))))))  # (('o))
    True
    >>> valid_hamburger(Pair('(', Pair('(', nil)))  # ((
    False
    >>> valid_hamburger(nil)
    True
    """
    buns = []

    while pair:

        if ____________________________________:

            ____________________________________________

        if _________________________________:

            if _________________________________:

                return _____________________________

        pair = _____________________________________

    return ____________________________
```