INSTRUCTIONS

- You have 10 minutes to complete this quiz.
- The exam is closed book, closed notes, closed computer, closed calculator.
- Mark your answers on the exam itself. We will not grade answers written on scratch paper.
- For multiple choice questions, fill in each option or choice completely.
  - □ means mark all options that apply
  - ○ means mark a single choice

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<tr>
<td>First name</td>
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All the work on this exam is my own. (please sign)  

0. Your thoughts? How are you feeling this week?
1. Yes, No, but Sometimes Maybe?

Fill in the environment diagram that results from executing the code below until the entire program is finished, an error occurs, or all frames are filled. You may not need to use all of the spaces or frames.

A complete answer will:

- Add all missing names and parent annotations to all local frames.
- Add all missing values created or referenced during execution.
- Show the return value for each local frame.

You must list all bindings in the order they first appear in the frame.

```python
def yes(no):
    yes = 'no'
    return no
no = 'no'
def no(no):
    return no + yes(no)
yes = yes(yes)(no)('ok')
```

```
Global frame

func yes(no) [parent=Global]

f1: yes       [parent=Global]

f2: yes       [parent=Global]

f3: no        [parent=Global]

f4: yes       [parent=Global]

Return Value

'okok'

'okok'

'ok'

'ok'

'ok'

'no'

'no'

yes

no

no

yes 'no'

no

yes

no

Return Value

'okok'

'ok'

'ok'

'ok'

'ok'

'no'

'no'

```