A Question of Identity

Fill in the table below:

<table>
<thead>
<tr>
<th>Name and login of group member 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name and login of group member 2</td>
</tr>
<tr>
<td>Name and login of group member 3</td>
</tr>
<tr>
<td>Name and login of group member 4</td>
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<tr>
<td>Name and login of group member 5</td>
</tr>
<tr>
<td>Section TA</td>
</tr>
</tbody>
</table>
(a) Suppose the following definition is typed into the Python interpreter.

```python
def make_thirst(c):
    citrus = [c]
    def thirst(n):
        nonlocal c
        c = n
        citrus.append(c)
        return citrus
    return thirst
```

In the space below, draw the environment diagram that would result after the function `make_thirst` is defined and these three statements are then executed:

```python
>>> n = 30
>>> my_thirst = make_thirst('drink')
>>> my_thirst(50)
```

**Solution:**
(b) After all of the code in part (a) is executed, what does the expression `my_thirst(100)` evaluate to? If evaluating the expression would cause an error, write “ERROR” and give the reason for the error. **Update the environment diagram above accordingly.**

**Solution:**

```
["drink", "drink", 50, 100]
```