Read the following code for the recursive function **Fibonacci** Series, and trace `fib(4)`.

You are required to use the following stack of activation records, where `line#` represents the return address, `n` is the function argument, and `t1` and `t2` are the local variables.

Hint: There are a total of 9 pushes, and we have already done the first two pushes for you.

<table>
<thead>
<tr>
<th>line#</th>
<th>n</th>
<th>t1</th>
<th>t2</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

**Stack of Activation Records**

1. \( \text{def fib(n):} \)
2. \( # \text{ pre: } n >= 0 \)
3. \( # \text{ post: returns the} \)
4. \( # \text{ nth Fibonacci number} \)
5. \( \) 
6. \( \text{ if } n < 2: \)
7. \( \text{ return 1} \)
8. \( \text{ else:} \)
9. \( t1 = \text{fib(n-1)} \)
10. \( t2 = \text{fib(n-2)} \)
11. \( \text{return t1 + t2} \)
12. \( \) 
13. \( \text{if } _\text{name}_=="_\text{main}_": \)
14. \( \text{print(fib(4))} \)