

5.3.2 # 96-99, 106-110

15-96

| | <u>Table</u> | <u>Explicit Rule</u> | <u>Recursive Rule</u> | | | | | | | | | | | | |
|-----|--|----------------------|-----------------------|---|--|---|--|---|--|---|--|---|--|---|------------------------|
| a.) | <table border="1"><thead><tr><th>n</th><th>t(n)</th></tr></thead><tbody><tr><td>0</td><td></td></tr><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></tbody></table> | n | t(n) | 0 | | 1 | | 2 | | 3 | | 4 | | $\text{multiplier} =$ $t(0) =$ $t(n) =$ | $t(n+1) =$ $t(1) =$ |
| n | t(n) | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |

| b.) | <table border="1"><thead><tr><th>n</th><th>t(n)</th></tr></thead><tbody><tr><td>0</td><td></td></tr><tr><td>1</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr></tbody></table> | n | t(n) | 0 | | 1 | | 2 | | 3 | | 4 | |
|-----|--|---|------|---|--|---|--|---|--|---|--|---|--|
| n | t(n) | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |

| c.) | <table border="1"><thead><tr><th>n</th><th>t(n)</th></tr></thead></table> | n | t(n) |
|-----|---|---|------|
| n | t(n) | | |

| d.) | <table border="1"><thead><tr><th>n</th><th>t(n)</th></tr></thead></table> | n | t(n) |
|-----|---|---|------|
| n | t(n) | | |