

BTC2SIM

Noah Syrkis

April 17, 2025

1 | Grammar

1 | Grammar

| | | | |
|------------------|---------------|--|--------------|
| <i>root</i> | \rightarrow | <i>tree</i> (\triangleright <i>tree</i>) \star | program |
| <i>tree</i> | \rightarrow | <i>leaf</i> <i>node</i> | node or leaf |
| <i>leaf</i> | \rightarrow | A (<i>move</i> <i>stand</i>) | action |
| | | C (<i>is_alive</i> <i>in_range</i>) | condition |
| <i>node</i> | \rightarrow | S (<i>root</i>) | sequence |
| | | F (<i>root</i>) | fallback |
| <i>move</i> | \rightarrow | <i>move direction</i> | move action |
| <i>direction</i> | \rightarrow | to from | direction |

Table 1: The BTC2SIM DSL grammar