

$\langle \text{rule} \rangle ::= (\langle \text{statement} \rangle \cdot \langle \text{logical_operator} \rangle)^* \langle \text{statement} \rangle$
 $\langle \text{statement} \rangle ::= \langle \text{initial_scope} \rangle \cdot (\langle \text{scope_transformation} \rangle \cdot)^* \langle \text{property_check} \rangle$
 $\langle \text{initial_scope} \rangle ::= (\langle \text{nodes} \rangle \mid \langle \text{edges} \rangle)$
 $\langle \text{nodes} \rangle ::= \text{the set of all nodes in the model}$
 $\langle \text{edges} \rangle ::= \text{the set of all edges in the model}$
// all valid $\langle \text{logical_operator} \rangle$, $\langle \text{scope_transformation} \rangle$, and $\langle \text{property_check} \rangle$ are listed in Table 1