

```
module if_syntax {
  role(syntax) {
    Statement ←
      'if' '(' ExprB ')' '{' StatementL '}' 'else' '{' StatementL '}'
    Statement ← 'if' '(' ExprB ')' '{' StatementL '}'
  }
}
```

```
module if_typeChecking {
  role(type-checking) {
    0 {
      if (!$1.type.equals("Boolean")) System.err.println("ERROR: ");
    }
    4 {
      if (!$5.type.equals("Boolean")) System.err.println("ERROR: ");
    }
  }
}
```

```
module if_eval {
  role(evaluation) {
    0 {
      if (new Boolean($1.eval)) $2.eval;
      else $3.eval;
    }
    4 {
      if (new Boolean($5.eval)) $6.eval;
    }
  }
}
```

```
slice if {
  module if_syntax with role syntax
  module if_eval with role evaluation
  module if_typeChecking with role type_checking
}
```