Output pseudo code:

Translating it a bit further to Quad pseudo code

- Variable provided from the generation of - Variable provided from the generation of - Setting the result of into the variable - **Condition label** - holds whether or not the variable is greater than (max value) - if it’s less than/equal to max value, jump to continue loop label - Jump to Finish loop label - **Continue loop label**  
 - Execute the code - Update the variable - Return to Condition label - **Finish loop label**

We will use the attribute to access the result of the expression’s computation.

We will have a helper nonterminal that will store data about the for-loop:

- The label before the loop’s condition - The label before the loop’s contents - The label after the loop’s execution - The variable containing the boolean result of the condition

Continues in the next page.

**FOR\_RANGE ( ID =**

**TO**

**; STEP NUM )**