We want to **not** use any temporary variables, only store results on the stack.

Output pseudo code:

Translating it to stack machine pseudo code:

- Load initial value (pseudo code) - Store in id - Load max value (pseudo code)- only calculated once - Condition label - Comparison LHS. Duplicate max value so we won’t lose it to cmp - Comparison RHS- current value - Check if - If , exit the loop - Execute the loop’s statement(pseudo code) - Load counter value - Load increment value - Increment the counter - Store the result - Go back to condition label- - End loop label - Clear the cached result

Continues in next page.

**FOR\_RANGE ( ID =**

**TO**

**; STEP NUM )**