

$\langle \text{expr} \rangle ::= \langle \text{term} \rangle \{ \text{logic\_op } \langle \text{term} \rangle \}$   
 $\langle \text{term} \rangle ::= \langle \text{range\_expr} \rangle \mid \langle \text{rel\_expr} \rangle \mid \text{"(" } \langle \text{expr} \rangle \text{"}"}$   
 $\langle \text{range\_expr} \rangle ::= \langle \text{int} \rangle \text{"-"} \langle \text{int} \rangle$   
 $\langle \text{rel\_expr} \rangle ::= \langle \text{relop} \rangle \langle \text{int} \rangle$   
 $\langle \text{logic\_op} \rangle ::= \text{"and"} \mid \text{"or"} \mid \text{"nand"}$   
 $\langle \text{relop} \rangle ::= \text{"<="} \mid \text{">="} \mid \text{"=="} \mid \text{"!="} \mid \text{"<"} \mid \text{">"} \mid \text{"not"}$   
 $\langle \text{int} \rangle ::= \langle \text{digit} \rangle \{ \langle \text{digit} \rangle \}$   
 $\langle \text{digit} \rangle ::= \text{"0"} \mid \text{"1"} \mid \text{"2"} \mid \text{"3"} \mid \text{"4"} \mid \text{"5"} \mid \text{"6"} \mid \text{"7"} \mid \text{"8"} \mid \text{"9"}$