| for statement | | | | | | | | | | | | | | | | | | |
|---------------|----------------------|----|--------------------------------|------------|-------------------|------------------|----------------|-----------------------|-----------------------------|-------------------|-------------------|----------------|------|----|-------------------------|--------|-----------|-------|
| | | | | for clause | | | | | statement | | | | | | | | | |
| for | variable := for list | | | | | | do | conditional statement | | | | | | | | | | |
| | | | for list element | | | | | | | if statement | | | | | | | | |
| | | | arith exp while boolean expres | | | oolean expressio | on | | if clause | | | | | | unconditional statement | | | |
| | | | | | | simple boolean | | | if | b | oolean expression | n | then | en | | | | l |
| | | | | | implication | | | simple boolean | | | | | | | | | | |
| | | | | | Boolean term | | | | implication Boolean term | | | | | | | | | |
| | | | | | Boolean factor | | | | | | | | | | | | | |
| | | | | | Boolean secondary | | | | | Boolean factor | | | | | | | | |
| | | | | | Boolean primary | | | | | Boolean secondary | | | | | | | | |
| | | | | | relation | | | | | Boolean primary | | | | | | | | |
| | | | | | simp arith exp | relation oper | simp arith exp | | | relation | | | | | | | | |
| | | | sim arith exp | | | | | | | simp arith exp | relation oper | simp arith exp | | | | | | |
| | | | term | | | | | | | | | term | | | | | | |
| | | | factor | | term | | term | | | term | | factor | | | | | | |
| | | | primary | | factor | | factor | | | factor | | primary | | | | | | |
| | simp variable | | unsigned num | | primary | | primary | | | primary | | unsigned num | | | | | | |
| | var identifier | | dec number | | var identifier | | var identifier | | | var identifier | | dec number | | | | | | |
| | identifier | | unsigned int | | identifier | | identifier | | | identifier | | unsigned int | | | | letter | adding op | digit |
| | letter | | digit | | letter | | letter | | | letter | | digit | | | | | | |
| for | i | := | 3 | while | i | < | а | do | if | i | < | 9 | then | а | else | i | plus | 2 |