

Oberon-07 (Revised Oberon) (Oberon at a glance) NW 20.11.2013

Omissions and Restrictions

No access to variables in outer procedures

Data type SHORTINT eliminated

Type inclusion (no compatibility between INTEGER and REAL)

Pointers to records only

Loop and exit statements eliminated

Return statement eliminated (coupled with procedure ending)

With statement eliminated

Case statement for extended types only

Imported variables: read-only

Procedure COPY eliminated (replaced by assignment)

Functions CAP, MIN, MAX eliminated

Extensions

While statement with cascaded conditions

Assignments of arrays and records (replacing COPY)

Set complement (unary minus)

Standard procedures ASSERT, PACK, UNPK, FLOOR, FLT

Type BYTE as subrange of INTEGER (0 .. 255)

Changes

Array and record parameters: read-only, unless VAR-parameter

Return clause bound to end of procedure

ASH(x, n) replaced by LSL(x, n), if $n \geq 0$

ASH(x, n) replaced by ASR(x, -n), if $n < 0$

SYSTEM.ROT(n) replaced by ROR(-n)

HALT(n) replaced by ASSERT(FALSE)

Standard function ENTIER renamed FLOOR

Single-character strings are assignable to character arrays and to variables of type CHAR

Notes

LONGINT may be synonym to INTEGER

LONGREAL may be synonym to REAL