

CRMS APL SYNTAX
30 OCT 72
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1 FUNCTION ::= HEADER BODY

1.1 HEADER ::= DEL ^{SYMBOL} [RESULT] TEMPLATE [LOCALS] CR ^{SYMBOL}

1.1.1 RESULT ::= LOCALSYMBOL "-"

1.1.2.1 TEMPLATE ::= NULLTEMPL /
.2 MØNTEMPL FORMAL /
.3 FORMAL DYTEMPL FORMAL

1.1.2.1 NULLTEMPL ::= NULLØPSYMBOL ["[" FØMALLIST "]"]

.2 MØNTEMPL ::= MØNØPSYMBOL ["[" FØMALLIST "]"]

.3 DYTEMPL ::= DYØPSYMBOL ["[" FØMALLIST "]"]

1.1.2. FØMALLIST ::= FORMAL ";" FØMALLIST /
FORMAL

FORMAL ::= ["@"] LOCALSYMBOL

LOCALS ::= ";" LOCALSYMBOL LOCALS /
";" LOCALSYMBOL

1.2 BODY ::= [STATEMENT] CR ^{SYMBOL} BODY /
[STATEMENT] [CR] ^{SYMBOL}

STATEMENT ::= LABELSYMBOL ":" STATEMENT /
EXPRESSION

EXPRESSION ::= NULLØP /
MØNØP EXPRESSION /
PRIMARY DYØP EXPRESSION /
PRIMARY

PRIMARY ::= ^{CONSTANT (?)} LITERAL /
VARIABLE /
"(" EXPRESSION ")" /
PRIMARY "[" EXPRLIST "]"

NULLØP ::= NULLØPSYMBOL ["[" EXPRLIST "]"]

MØNØP ::= MØNØPSYMBOL ["[" EXPRLIST "]"]

DYØP ::= DYØPSYMBOL ["[" EXPRLIST "]"]

EXPRLIST ::= [EXPRESSION] ";" EXPRLIST /
[EXPRESSION]