17.   Recommended extensions

The extensions given in this section are recommended for inclusion in SIMULA Common Base implementations by the SIMULA Standards Group.

17.1   While statement

17.1.1   Syntax

<statement> ::= <Common Base statement>|<while statement>

<conditional statement>
            ::= <Common Base conditional statement>|
                <if clause><while statement>

<while statement>
            ::= while <Boolean expression> do <statement>|
                :<while statement>

17.1.2   Semantics

A while statement causes a statement to be executed zero or more times.

The Boolean expression is evaluated. When true, the statement following do is executed and control returns to the beginning of the while statement for a new test of the Boolean expression.

When the expression is false, control passes to after the while statement.

17.2   "prev"

The following procedure is recommended to be local to the class "linkage":

ref(linkage) procedure prev;
            prev :- PRED;

The procedure enables a user to access a set head from its first member.