Hoved Kepi

#### FIRST LIST OF SUGGESTED CHANGES IN DOCUMENT 5

Naur

101 - Page 1 - section 1

or

Insert between ... provided with labels, and Statements array ...

Sequences of statements may be combined into compound statements by insertion of statement brackets.

Wijngaarden

102 - Page 1 section 1 - alinea 6.

Me Replace by

A program is a self-contained compound statement, that is a compound statement not contained within another compound statement and which makes no use of other compound statements not contained within it.

Bauer

103 - page 1 - 6th paragraph - Objection 3

Add:

"A block which is not contained in another block and which makes no use of objects which are not defined within itself."

Wilmandon

104 - page 1 - section 1

Add to the end of the section (i.e. just before 1.1) something of the following hind :

Wherever it is exid that precision of precise arithmetic in general is not specified or that the outcome of a certain process is undefined this is to be interpreted in this way that a program only fully defines a computational process if in accompanying information is specified what precision is assumed or what arithmetic is assumed and what course of action is assumed to be taken in all such undefined cases that may occur in the execution of the computation.

Naur

105 - page 2 - At end of section 171.

ov least

(empty) is a the null string of symbols.

And change the following hoading :

2. Basic symbols, unsigned integer and identifiers.

Nau

106 - page 2 - section 2. 1.

or

Add t

This alphabet may arbitrarily be stricted, or extended with any other distinctive character (i.e. character not coinciding with any digital value of delimiter )

te the kit

```
Naur
 107 - Page 2 - section 2.2
 Change to read:
                                 bonning tidentifiers and strings
      2.2.1. Digits
(digit) :: = 0 1 2 3 4 5 6 7 8 9
clogical value>:: = true | false
The logical values have a fixed obvious
 McCarthy (introduce -) sheet 1 of 3
 108
 Page 2 - section 2.2.3.
(arithmetic operator): = |+|-|x|/|-
 McCarthy (deletion of ) sheet 1 of 3
 109 - page 2 - section 2.2.3.
 \langle \text{arithmetic operator} \rangle :: = + |-|x|/|\uparrow \langle \text{bracket} \rangle :: = (|)|[|]| | begin | end
 Wijngaarden
 110 - page 2 - section 2.3.
Add to \( \declaration \) ::= - - dummy own
Wijngaarden
111 - page 2 - section 2.3.
 in (declaration) change local into real
```

# Wijngaarden

112 - page 2 - section 2.3.

Add the delimiter

⟨specifier⟩ :: = global

and remove global from the list in (declarator)

# Perlis

113 - page 2 - section 2.3.

Insert after declarator >: = ...

a new line

(comment): = comment

# Naur

114 - page 2 - section 2.3.

on

Replace Figures and delimiters by

Digits, logical values and delimiters ...

# Naur

114.1 - page 3 - section 2.5.

Replace last sentence by:

UN

Identifiers have no inherent meaning, but serve for the identification of simples variables, arrays, labels, switches, functions and procedures. They may be chosen freely (cf. however section 3.3.4. standard functions).

Naur

115 - page 3, section 2.5.

Add at end:

Within the statements of one block the same identifier may be used to devote only one of these entities.

MaCarthy (scope of names) sheet 1 of 1

116 - page 3 - section 2.5.

The same identifier cannot be used to denote two different objects except when these identifiers have disjoint scopes as determined by own or local

(This replaces the correction to 2.5.)

Se 170 Scape, 174

### Perlis

117 - page 3 - Insert after last line of 2.5.

Two objects, within a block in which

(i) They are declared local (cf. section ) and are both

or (iii) variables

or (iii) procedures (cf. section or (IV) functions (cf. section

or (V) arrays (cf. section or (VI) labels (cf. section

or (VII) switches (cf. section

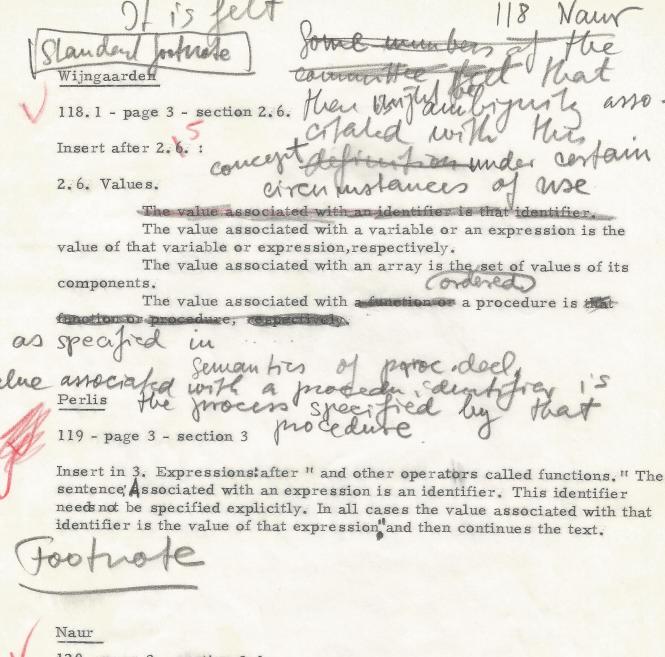
may not be assigned the same identifier.

# Wijngaarden

118 - page 3 - section 2.5.

Add at the end of the section :

The same identifier may not be used to identify different objects within a block.



120 - page 3 - section 3.1.

Change heading to

3.1. Numbers.

Naur

121 - page 3 - section 3.1.1.

Add at end:

(number>:: = (unsigned number>)

+ (unsigned number>)

- (unsigned number)

## Naur

V

122 - page 3 - section 3.1.2.

Read as follows:

UZ

$$-083_{10} - 02$$
 $-10_{10} - 4$ 
 $+10_{10} + 5$ 

1

Naur

123 - page 4 - section 3.2.3.

Or

Delete last line :

Identifiers .... freely.

1

Perlis

124 - page 4 - section 3.2.4.2.

M

Replace section 3.2.4.2. by:

Subscript expressions must be integer valued, and this value is defined only if within the subscript bounds of the array (cf. section) ).

The value of expression is

Anay declarations

Wijngaarden

125 - page 4 - section 3.2.4.3.

Should read:

3.2.4.3. The type of an array is identical to that of its components.

```
Naur
126 - page 4 - section 3.3.1.
Read:
  \( \) function identifier \> :: = \( \) identifier \>
  cprocedure identifier>:: =<identifier>
  (input parameter): = (array identifier)
      (procedure identifier) (function identifier)
      (general arithmetic expression)
  (input list) :: = (input parameter)
      (input list >, (input parameter)
  /input part>:: = <empty> ( (input list>)
  (function value) :: = (function identifier) (input part)
Perlis
127 - page 4 - section 3.3.4.
Dete te " Identifiers designating .... variables. However "
Perlis
127.1 - page 5 - section 3.3.4.
Insert before (in the list of functions)
m entier (E)
             for the largest .....
                                                value of E "
 symbolic transfer function (E), e.g.,
```

Wijngaarden

128 p:5 section 3,3,4. line 7

for the principal value of the arctangent of the value of E.

Mc Carthy (introduce - ) sheet 2 of 3

129 p:5 3.4. 
<term>::=<factor>|<term><factor>|<term>|<factor>|<term><factor>|

3.4.4.

"The operators + = x / - have the meanings given in section 4.2.4. with " etc,

#### Perlis

130 p: 5

Last sentence of 3. 3. 4.

Add after "explicit declarations."

(Cf. section on declarations

Wijngaarden

131 p:5

Section 3. 3. 4.

line 7

replace by

Arctan (E, E') for the arctangent of the value of E/E', i.e. y satisfying  $-\pi < y < \pi$ , sin (y) = E, cos (y) = E'

# 132 Mc Carthy

(Deletion of ) sheet 2 of 3

p:5 section 3. 4. 2.

 $(A \times arctan(y) + Z) \uparrow (7 + Q)$ 

p:5 section 3. 4. 4.

The operator 1 denotes exponentiation where the operand preceding the 1 is the base and the operand following the 1 is the exponent.

Thus

 $2 \uparrow (2 \uparrow n)$  means  $2^{(2^n)}$  (2 \gamma 2) \gamma n means  $(2^2)^n$ 

```
133
        p:5
Perlis
               line 1
         "one real number" by
Perlis
134
        p:5
Section 3. 4. 4. replace means
          ((((\frac{a \times 7 \times v}{a \times b^{-1}}) \times 7) \times (p - q)^{-1}) \times v) \times (b \times s^{-1})
      ((((a×(b'))×7)×((p-q)-1))×v)×(s-1)
Bauer
               Document 5 p:5 Section 3.4.4.
Concerns
Replace
            "The parentheses \ 1 denote .... exponent"
by
            "The operator 1 denotes exponentiation"
also change example to
            21 (21n) means 2 (2n)
```

 $(2^{2})^{n}$  means  $(2^{2})^{n}$ 

Mc Carthy (Evaluation apparenthesized expressions) sheet 1 of 1

p:5

3.4.5.1. replaced by

32 169

3.4.5.1. The expression between a left parenthesis and the matching right parenthesis is evaluated by itself and this value is used in subsequent calculations.

6 169

Mc Carthy (deletion of ) sheet 3 of 3

p:6 section 3.4.5.2.

first: 1

Mc Carthy (introduce \*) sheet 3 of 3

138 p: 6 second  $x / \frac{\bullet}{\bullet}$ 

3.4.5.2.

Perlis

139 p:6

sentence immediately preceding

3 - 5 Boolean expressions

is replaced by

Conguetty. The desired order of execution of operations within an expression can always be arranged by appropriate positioning of parentheses.

```
Rutishauser
```

140

p: 6

section 3. 5. 1.

replace definition of boolean term by <boolean term>: = false | true | (< relation)) | and so on</pre>

# Vauquois

141

p: 6

section 3.5.1.

replace from syntax up to 3,5,2,

Syntax 3,5,1

< relation> : = <arithmetic expression</pre> relational operator>

(arithmetic expression)

( Soolean expression )

(< Boolean equivalence>) ( (Boolean

implication ) ( Boolean disjunction ) ( (Boolean

conjunction ) / Boolean term>

⟨Boolean conjunction⟩: ; = ⟨Boolean term⟩ ∧ ⟨Boolean term⟩

<Boolean term-conjunction): := <Boolean term> | < Boolean conjunction>

term-conjunction>

<Boolean term-disjunction>::= < Boolean term-conjunction> | < Boolean disjunction>

term-disjunction>

<Boolean term-implication>: : = < Boolean term-disjunction> | < Boolean</pre> implication>

141 could Nam

(141 cd) < Boolean equivalence> : : = < Boolean term-implication> = < Boolean term-implication>

< Boolean expression > : = < Boolean term-implication > | Beolean equivalence

## Vauquois

142 p:6 sections 3,5,3,, 3,5,4, and 3,5,5,

replace from operational meaning up to the end of the page, 27 lines

3.5.3. Operational meaning

Boolean expressions are analogous to arithmetic expressions. However the values of the constituents are confined to the truth values true and false

Variables and functions except those which appear in relation must be declared Boolean.

3.5.4. The operators

Relations take on the (current) value true whenever the corresponding relation is satisfied for the expressions involved otherwise false.

The meaning of the logical operators  $\neg$  (not),  $\land$  (and),  $\lor$  (or),  $\supset$  (implies),  $\equiv$  (equivalent) is given by the following table.

В1	false	false	true	true
B2	false	true	false	true
¬ B <sub>1</sub>	true	true	false	false
B <sub>1</sub> $\wedge$ B <sub>2</sub>	false	false	false	true
BVB2	false	true	true	true
B <sub>1</sub> >B <sub>2</sub>	true	true	false	true
$B_1 \in B_2$	true	false	false	true

(142 cd)

3.5.5. Precedence of operators. The square

According to the Togicians use, and to the syntax given in section 3.5.1, the following rule of precedence hold:

first second third to the Togicians use, and to the syntax given in section 3.5.1, the following rule of precedence hold:

The desired order of execution of operations can always be arranged by appropriate positionning of parentheses.

3.55.2. The use of parentheses will be interpreted in the sense given in section 3.4.5,2.

#### Perlis

143 - page 7 - section 3.6.1.

#### Replace

switch :: = ...

by

switch identifier :: = ...

McCarthy (kill integer as labels) sheet 1 of 1

144 - page 7 - section 3.6.1.

label :: = identifier

### Bauer

145 - page 7 - section 3.1.2.

Shift the example, used in a go to statement, to 4.3.2,

# OK

# Kanden Bauer

146 - page 7 - section 3.6.5.

Replace 3.6.5. by

Unsigned integers used as labels are not treated as numbers. Thus, label 00217 is different from label 217

# Bauer

147 - page 10 - section 4.3.

## Insert

The effect of the go to statement is not defined with if the switch is not defined.

(kill localization of labels) sheet 1 of 1 McCarthy

148 - page 10 - section 4.3.4.

4.3.4. Restriction. All labels used in the designational expression of a go to must be defined at the place in the program where the go to occurs.

#### SECOND LIST OF PROPOSED CHANGES OF DOCUMENT 5

Naur

149 - page 4 - section 3.3.3.

Delete sentence

A syntactic .... 3 lines ... arithmetic expressions. and in the following sentence delete for functions ... 1 line ... declarations.

Naur

150 - page 7 - section 3.6.1.

< label > :: = (identifier > | < unsigned in teger >

< switch identifier > :: = (identifier)

switch value > :: = (switch identifier > Ksubscript expression)

designational expression > :: = (label) (switch value >

Naur

151 - page 7 - Section 3.6.2.

Last exemple reads:

Town if y ≤0 then N else N + 1

152 - page 7 - section 3.6.3.

Last line but one, read:

may again be a switch value

Naur

153 - page 9 and 10 - section 4.2.

The text of the section will read as follows:

#### 4.2. ASSIGNMENT STATEMENTS

4.2.1. Syntax

(left part) = (variable) = (left part list) = left part | left part list | left part > (assignment statement) :: = (left part list (expression)

4.2.2. Examples.

2. Examples. S := p[0] := n := n + 1 + SSolean equivary A = B/C - V q x s n := n + 1 $A := B/C - v - q \times S$  $s[v, k+2] := 3 - \arctan(s \times zeta)$ 

4.2.3. Semantics.

 $V := (Q > Y) \wedge Z$ 

Assignment statements serve for assigning the value of an expression to variables Where arithmetic expressions are concerned this process must be understood as follows:

Numbers and variables must be interpreted in the sense of numerical analysis, i.e. as entities defined inherently with only a finite accuracy. Similarly, the possibility of the occurrence of a finite deviation from the mathematically defined result in any arithmetic expression is explicitly understood. No exact arithmetic will be specified, however, and it is indeed understood that different hardware representation may evaluate arithmetic expressions differently. The control of the possible consequences of such differences must be carried out by the methods of numerical analysis. This control must be considered a part of the process to be described, and will therefore be expressed in terms, of the language itself.

By means of a type declaration (section ) a variable or function may be declared to belong to a certain class. expression containing variables or functions of different types must in general be assumed to have the type which mathematically speaking will embrace it in all cases.

#### 4.2.4. Evaluation.

The meaning of the multiple assignments is that the expression is evaluated once and then assigned to all the left part variables.

4.2.5. Types. All variables of a left part list must be of the same declared type. Naur

154 - pages 10-12 - sections 4.4 - 4.7.

Delete 4.4, 4.5, 4.6, 4.7

Naur

155 - page 12 - section 4.8.1.

For \( blank \rangle read \( \left( empty \rangle \)

Naur

Page 12 - section 4.8.3.

Instead of:

It only serves ....

read:

It may serve ....

Naur

156 - page 16 - section 5.1.3.

The last lines will read:

... the values true and flows false.

In arithmetic expressions integer declared variables will form a subset of real declared ones.

#### Rutishauser

157 - concerning document 16

Replace from the beginning up to and excluding <u>numbers</u> by semantic meaning of expressions

Let  $V_1 cdots V_n$  be variables of several classes  $C_1 cdots C_n$ ;  $V_k \in C_k$  (k = 1 cdots n)

Then E(V1 ... Vn) (an expression containing the variables V1... Vn has the following semantic meaning:

a) if C = U (Ck) does not exist in ALGOL, then E has no meaning k= ln (programmes default; example,: Cl= Boolean, C2 = integer)

b) if such C as above exists, then E has the meaning " as if "

$$T_{\mathbf{X}} \left\{ E \left( T1 \left\{ V1 \right\} T2 \left\{ V2 \right\} ... Tn \left\{ Vn \right\} \right) \right\}$$

where Tk is the transfer function from Ck to C, T\* the transfer function from C\* to C, where C\* is the smallest class containing the expression E (T1 {V1}).... Tn (Vn)

c) It should be understood that if a function occurs within E, the actual value of this function must be entered the list of the V's

Green

159 p:5 line 2

Sign (E) for the sign of the value of E (+1 for E>0, 0 for E = 0, -1 for E < 0)

Naur

160

p: 16

Section 5

# 5 - DECLARATIONS

Declarations serve to define the properties of the identifiers of the program. A declaration for an identifier is a valid for one block. Outside this block, the particular identifier may be used for other purposes.

Dynamically this implies the following: at the time of a dynamical entrance into a block (through the begin, since the labels inside are local and therefore unaccessible from outside) all identifiers declared for the block assume the significance implied by the nature of the declarations given. If these identifiers had already been defined by other declarations outside they are given a new significance. Identifiers which are not declared for the block, on the other hand, retain their old meaning.

At the time of an exit from a block (through end, or by a go to statement) all identifiers which are local to the compound lose their significance again.

The declarations for a block are divided in two lists, one defining the so-called local identifiers, the other defining the so-called own identifiers. The difference is the following: upon a second entry into the block, the values of own quantities will be unchanged while the values the values of local identifiers are undefined. All identifiers of a program, with the possible exception of those for the expression of functions, must be declared.

The syntax of declarations is as follows:

declaration >: = < type declaration > | < array declaration > < switch declaration > | < declaration >

coolealite ni=

Trangle

four their values at the last exit

Naur

161

p:2

Section 2.3.

Insert after .... for facilitating reading. For the purpose of entering explaining text among the symbols of a program the following comment convention holds : any occurrence of the delimiter; (semicolon) may be replaced by the following: The shing

respondent any string not containing; >;

1's syntactically equivalent to service colon.

Perlis

It is understood that transfer functions ties between jany pair of recognized entities 162

Transfer procedures . Among the standard procedures is one which "transfers" an expression E of real type to one of integer type, and assigns to it the value which is the largest integer not

greater than the value of E.

Mc Carthy

163

that there be one manualed entier (F), OWN DECLARATIO 5.3.

5.3.1. Syntax <identifier list> : : = <identifier> | < identifier> , < identifier list > <own declaration> : : = own (< identifier list>)

5.3.2. Example own (A, B, C)

Semantics

An own declaration in the declaration list of a compound statement block causes the identifiers listed in the declaration to have the block or compound statement as their scope. The value of a is not available to program outside (Such) its scope but is again available when the scope is re-entered.

the bloom

Hork

### Mc Carthy

LOCAL DECLARATION

5.5.1. Syntax

5.5.1. Syntax < local declaration >: : = local (< identifier list>)

5.5.2. Example local (A, B, C)

5.5.3. Semantics

The effect of a local declaration is the same as that of an own declaration except that a quantity whose identifier is mentioned in a local statement loses its value when the scope of the identifier is left.

## Katz

165

p:10

Section 4.3.4.

Add the sentence "a GO TO statement is an empty statement if the value of the designational expression is undefined."

# Rutishauser

166 Correction of 140

Replace (Boolean term) in 3.5.1 by < Boolean term>: = false | true | (< relation>) |

Replace < if clause > in 4. . 1 by /if clause > !: = if < relation > then | if < general Boolean expression > then Perlis

167 p:7 Section 3.6.5.

.... as labels have the property that leading zeroes do not affect their meaning, egg 00217 denotes the same label as 217

Wegelein

168

Insert in introduction the recommendations this meeting a completely Prior to this meeting a completely new draft of ALGOL had prepared by Peter Naur and the conference adopted this new form as a basis for its report. The Conference then proceded to work for agreement on each item of the report. The present report represents the union of the Committee 's concepts and the intersection of its agreements.

Whenever the precision of arithmetic is stated as being in general not specified, or the outcome of a certain process is said to be undefined, this is to be interpreted in the sense that a program only fully defines a computational process if the accompanying information specifies the precision assumed, the kind of arithmetic assumed, and the course of action to be taken in all such undefined cases that may occur during the execution of the computation.

Naur

169 p:5 Section 3.4.5.

3.4.5.1. and 3.4.5.2. to be replaced by :

3.4.5.1. According to the syntax given in section 3.4.1. the following rules of precedence hold:

first : 1 second : x / -

third: +-

The expression between a left parenthesis and the matching right parenthesis is evaluated by itself and this value is used in subsequent calculations. Consequently the desired order of execution of operations within an expression can always be arranged by appropriate positioning of parentheses.

Perlis

170

2.8. Scope

The scope of a block is the set of statements comprising the block. The scope of a property of a quantity is the block in which that quantity is declared to have that property.

9. 174,16, 118

171 Section 5.3, Switch declaration

Syntax

Examples

Switch S:= (S1, S2,  $\mathbb{Q}[m]$ , if v > 0 then S3 else S4) Switch Q:= (p1, v)

Semantics.

The purpose of a switch declaration is to provide various successors for the associated GO TO statement. The designational expression of the switch list that is selected is determined by the actual numerical value of the subscript expression of the switch variable. Only integral values of the subscript expression that correspond to positions within the switch list are defined. If the value of the subscript expression is undefined, the referring GO TO statement is an empty statement.

# Rutishauser

172 to document 25 part 1

Replace definition of < for prefix > , < for clause > by < for clause > : = for < variable > : = < expression list > do For stacking of for clauses, see definition of syntax of statements.

173 Ad Doc 25 3 Semantics

To replace Recursive ..... 7 lines ..... expression list
A for clause controls the execution and the choice of the successor
of the statement it precedes. This control permits, through convenients
notation, certain variables to be assigned values of expressions,
suitably selected from a set of expressions specified in the
for clause.

Names. 174

The name of an identifier is that identifier.

St is felt that there might be ambiguity as ociated with this concept under certain circum stances of use.

174 - page 4 - Insert after 2.6.

2.7. Names

The name of an identifier is that identifier.

The name of a variable or expression is the (name of the) identifier associated with that variable or expression, respectively.

The name of an array, function or procedure is that function identifier, procedure identifier or procedure identifier associated with that array, function or procedure, respectively.

cf. 170 Scope, 118 Value foohere We distiguish
the following kinds 2.8. Quantity a vanable, en expression label switch When from 13 was When type is used it refers o some of the proparties but quantities which can be de cleaned in Atto Go the language

#### FOR STATEMENT

#### 1 - SYNTACTIC

<EXPRESSION LIST ELEMENT>:: =<GENERAL EXPRESSION> (GENERAL EXPRESSION) STEP < GENERAL EXPRESSION UNTIL < GENERAL EXPRESSION> <GENERAL EXPRESSION> WHILE < GENERAL BOOLEAN EXPRESSION <EXPRESSION LIST> :: = < EXPRESSION LIST ELEMENT> | EXPRESSION LIST> CEXPRESSION LIST ELEMENT> <FOR CLAUSE> :: = FOR (VARIABLE): = (EXPRESSION LIST) <FOR STATEMENT> :: = < FOR CLAUSE> < COMPOUND STATEMENT> KBLOCK STATEMENT CONDITIONAL STATEMENT>> < label >: < for clause > < statement >! 2 - Examples FOR R: = 1 STEP & SUNTIL N DO A[Q]: = B[Q]; FOR k: = 1, V1 x 2 WHILE VI(N FOR J: = A + B, L, 1 STEP 1 UNTIL N, C + D DO A[k, J]: = B[k, J] 4.6.3. Semandies. A for clause causes the statement S which precedes to be repeatedly executed Work times while both the following conditions remain true: Zero or more 1) The for-clause is not exhausted, i.e., further values remain to be assigned to its controlled variable. in section 4.6.4 2) No exit out of S has occurred. In addition to causing S to be repeated, the for -dause assigns a sequence of values to its controlled variable as described below; The effect of a go to statement, not in a for statement, which refers to a statement within the for statement is undefined, The expression list gives the rules for obtaining a sequence of values. The elements of the list may be : aufluucht 1 = expressions (E) a do with with Do Nothin

#### FOR STATEMENT

175.1

2 - E<sub>1</sub> STEP E<sub>2</sub> UNTIL E<sub>3</sub>,

to mean the sequence of expressions V 0, V 1, ... defined by

and  $V_0$  is  $E_1$  $V_n$  is  $V_{n-1} + E_2$  for  $n = 1, 2, \dots$ ;

The sequence continuing for as long as the condition

$$(V_n - E_3) \times sign(E_2) \neq 0$$

is satisfied immediately following the execution of the controlled statement for the expression  $V_n$ , and the sequence being absent if the condition is not satisfied for  $V_0$  at the beginning of execution.

3 - E WHILE B, to mean the sequence of values defined by E as long as the value of B is TRUE

46.5. The value of the controlled (Enground to be compensed by what is a go to statement the value of the controlled valuable will reason the party the same as it was during that party trailed exit is due to exhaust on of the for list, on the other hand, the value of the controlled variable is undefredable the exit.

4.6.6. Go to ledding into a for statement.

## Wijngaarden

173 - page 3 - section 2.5.

Insert:

2.5.1. Letter string

2.5.-1.1. Syntax

{ letter string >:: = < letter > (letter string) < letter >

# Wijngaarden

174 - page 16 - section 5.1.3.

5.1.3. Semantics.

Type declarations serve to declare certain quantities to be of a certain type, e.g., integer, Boolean. In every case, the type declared must be compatible with the type defined in 2.7. For the cally

# Wijngaarden

175 - page 3 - section 2,7.

2.7. Types,

A quantity may be declared to be of a specific type, e.g., real, integer, Boolean (cf. Type declarations 5.1.3). In general, the type of a quantity is the type of the value, if defined, of that quantity.

A type A may be defined to be compatible with the type B. If then the type B is compatible with the type C, then also the Type A is compatible with C The type " integer " is compatible with the type " real ".

A type D may be defined to be incompatible with the type E. Then also the type E is incompatible with the type D. If then the type F is compatible with the type D it is also incompatible with the type E.

The type " real " is incompatible with the type " Boolean ".

The type of the elements of an array is the type of the array.

O-1 Naux

Rutishauser to document 16, case 2.5

Since I believe it is a grave error. I propose to accept possibility 2a of 2.5 in place of possibility 1.

Accepted