

## Simula Standard - Errata

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NOTE: Parameter Specification

Simula Standard 5.4.2 states:

```
specifier
  = type [ array | procedure ]
    | label
    | switch
```

This is obviously wrong. If we follow the syntax, no-type procedure is illegal, and that was probably not the intention. No-type array is also not allowed, which inherited from Algol should mean real array.

Simula Common Base 1970 states:

```
<specifier> ::=
  <type> | array | <type> array | label | switch
  | procedure | <type> procedure
```

Simula Standard should have been changed to:

```
specifier
  = type
    | [type] array
    | [type] procedure
    | label
    | switch
```

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NOTE: Simula Standard , Chapter 12 Simulation - RANK\_IN\_SQS

The Simula Standard (under the definition of Class Simulation) states:

```
ref (EVENT_NOTICE) procedure pred;    pred:- PRED;

procedure RANK_IN_SQS (afore); Boolean afore;
begin ref (EVENT_NOTICE) evt;
  evt:- SQS.last;
  while evt.EVTIME > EVTIME do    evt :- evt.pred;
  if afore then
    while evt.EVTIME = EVTIME do evt :- evt.pred;
  follow(evt)
end RANK_IN_SQS;
```

Here procedure pred is redefined so that 'pred' of the first element is the head itself and not **none** like in Simset.

In Simula, this should give 'qua-check failed'.  
Which led to 'cast' error in Java.

The procedure RANK\_IN\_SQS must be rewritten.

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NOTE: lowten

Simula Standard (Chapter 9 Class "ENVIRONMENT") states:

```
character procedure lowten(c); character c;  
  if ... ! c is illegal as lowten;  
    then error("..." ! Lowten error ;)  
  else begin  
    lowten:= CURRENTLOWTEN; CURRENTLOWTEN:= c  
  end lowten;
```

Changes the value of the current lowten character to that of the parameter. The previous value is returned. Illegal parameters are digits, plus ("+"), minus ("-"), dot (("."), comma (","), control characters (i.e. ISO code<32), DEL (ISO code 127), and all characters with ISO code greater than 127.

Here, ISO code 32 (SPACE) is indicated as a legal LOWTEN character.

Correct the text to:

Changes the value of the current lowten character to that of the parameter. The previous value is returned. Illegal parameters are digits, plus ("+"), minus ("-"), dot (("."), comma (","), space (" "), control characters (i.e. ISO code<32), DEL (ISO code 127), and all characters with ISO code greater than 127.

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Note:

Simula Standard (Chapter 10 Class "INPUT-OUTPUT") states:

The user's main program acts as if it were embedded as follows:

```
BASICIO (inlength, outlength) Note ! prefixed block;  
  inspect SYSIN do  
  inspect SYSOUT do  
    begin <external-head> <program> end  
end prefixed block
```

The word **Note** must be replaced by **begin**

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