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1  /*
2  * Scola Tutorial
3  * by Antoine B. Rauzy
4  * LargestPort
5  */
6
7  block Store
8      integer n1 22
9      integer n2 45
10     integer n3 95
11     integer n4 2
12     integer n5 108
13     integer n6 12
14 end
15
16 block Indexes
17     integer index 0
18     symbol largestName NONE
19     integer largestValue 0
20     symbol currentName NONE
21     integer currentValue 0
22 end
23
24 scenario LargestPort as Indexes
25     state Initial
26     test IsOver
27         case yes (eq index (size 'main.Store))
28         case no (df index (size 'main.Store))
29     end
30     task Compare
31         set currentName (append 'main.Store (element 'main.Store index))
32         set currentValue (eval currentName)
33         if (gt currentValue largestValue) then begin
34             set largestValue currentValue
35             set largestName (append 'main.Store (element 'main.Store index))
36         end
37         set index (add index 1)
38     end
39     state Final
40     next Initial IsOver
41     next IsOver.yes Final
42     next IsOver.yes Final
43     next IsOver.no Compare
44     next Compare IsOver
45 end
46

```