Boolean Component — A Brief Summary

Range of values: \{true, false\}
Initial value: false

Assignment operator: =

Boolean operators:
  and
  or
  not
  == (equal)
  != (not equal)

Precedence of Boolean operator evaluation:
  Highest: not
          and
  lowest: or
Note: Consecutive operators of the equal precedence are evaluated left to right.

Input and output:
  Assume that input is an object of type Character_IStream, that output is an object of type Character_OStream, and that b is an object of type Boolean.
  • To input a value for b use input >> b.
  • To output the value of b use output << b.

Conversion operators:
  Assume that b is an object of type Boolean.
  • To convert the value of b to a text string use To_Text (b).