Homework Six

CS102 Windows Programming for the Non-Programmer
Spring 2004
Date Assigned: 02-27-2004
Date Due: 03-03-2004 @ 11:30:00 AM

Problem A:

Fill in the following truth table where A, B, and C are variables of type Boolean:

<table>
<thead>
<tr>
<th></th>
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<th>A And B And C</th>
<th>A And B Or C</th>
<th>A Or B Or C</th>
<th>A Or B And C</th>
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Problem B:

Determine whether the condition is true or false. Assume a = 2 and b = 3:

a) $3 \times a = 2 \times b$

d) $a \land b = b \land a$

b) $b \leq 3$

e) $(a * a < b)$ Or Not $(a * a < a)$

f) $(5 - a) \times b < 7$

c) Not ($(a < b)$ And $(a < (b + a))$

Problem C:

Determine whether the condition is true or false.

a) “9W” <> “9w”

d) Not (“B” = “b”) Or (“Big” < “big”)

b) “99” > “ninety-nine”

e) Not (“B” = “b”) And Not (“Big” < “big”)

f) (“Ant” < “hill”) And (“mole” > “hill”) Or Not (Not (“Ant” < “hill”) Or Not (“Mole” > “hill”))

c) “Inspector” < “gadget”