# Lesson Element

# Truth Tables – Task Sheet

1. Write the truth tables for the expressions

NOT (A AND B)

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and ((NOT A) OR (NOT B))

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1. What do you notice about these tables?
2. Design and create a program to output the value of a after the statement   
   IF (a < b) OR (b < c) THEN a = b   
   has been executed.
3. Decide on suitable test data for this program giving a reason for each combination of values for a, b and c, give your expected result and the actual result for each.

| Values | Reason | Expected | Actual |
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