

SE 4367 (Software Testing)

Homework #9, BOR-MI

Use the BOR-MI-CSET procedure to derive the constraint set and the test set T_{BOR-MI} for the following predicate

$$p_r: ab(c + !cd)$$

where a, b, c, d are Boolean variables.

Show all the steps in generating T_{BOR-MI} .

Draw the abstract syntax tree (AST) and label the nodes N1 to Nm (for the BOR part of the problem).

Explicitly list the true and false constraint sets for each node in the AST for the BOR part of the problem.

Remember to generate a test set T_{BOR-MI} corresponding to the root node in the AST.