

Structural Testing Justification

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CFG serves as an adequacy criterion for test cases. Since each of the branches in the CFG was executed at least once, 100% branch coverage was achieved through the test cases. Each branch condition had been true at least once and false at least once during testing. It helped in validating all the branches in the code making sure that no branch leads to abnormal behavior of the application. Thus, the implementation is acceptable provided that it passed all test cases which covered all edges and nodes of CFG.