

CMSC435; Section 0101

Apr. 13, 2006; Quiz #9

Please remember to write your name!!

Student's Name: _____

Question 1: [Test adequacy criteria as “stopping criteria”] A tester can stop white-box test-case generation once program code elements have been “sufficiently” exercised. For example, a tester may stop when 95% of the program statements have been executed or 100% methods have been invoked.

In contrast, one can stop model-based black-box test-case generation once some elements of the model have been “sufficiently” exercised. Give ONE example of a model-based black-box test-case generation technique. Provide at least two “stopping criteria” for this technique.