

CS5462 Software Reliability & Testing **homework 2-1**

1. Statement Coverage

(1) Equation:

Statement Coverage= (Number of executable Statements Exercised / Total number of executable Statements) X 100 %

(2) framework and flow:

2. branch coverage

(1) equation:

Branch Coverage= (Number of Exercised branches / Total number of branches) X 100%

(2) framework and flow:

3. MC/DC coverage

(1) equation:

MC/DC coverage = (number of Boolean operand values shown to independently affect the decision outcome / total number of Boolean operands)*100%

(2) framework and flow: