## **Exercise: test suite adequacy 1**



- T<sub>0</sub> = { "", "test", "test+case%1Dadequacy"}
- T<sub>1</sub> = {"adequate+test%0Dexecution%7U"}
- T<sub>2</sub> = {"%3D", "%A", "a+b", "test"}
- T<sub>3</sub> = { " ", "+%0D+%4J"}
- T<sub>4</sub> = {"first+test%9Ktest%K9"}

Coverage Criterion	то	T1	T2	Т3	T4
Statement					
Branch					
Basic Condition					
Compound Condition					



P&Y p.213-214, Figures 12.1 & 12.2

## **Exercise: test suite adequacy 2**



- This routine loops through elements 0 to n-1 of array A, replacing any negative entries in A with their absolute (positive) value.
- Generate a test suite (in the form of some suggested values for array A, e.g. [1, 2], [3, 4]) which satisfies the path adequacy criterion for this program. Assume n=|A|.
- Generate a test suite which satisfies the loop boundary adequacy criterion.



10 February 2009

## Software Testing: Lecture 8