Homework 3: Requirement-based Test Generation for Functional Testing

(No late submission will be accepted.)

Question 1: During test generation, we may combine several test requirements to generate one test case. Give an explicit example (instead of just an ambiguous description) to clearly illustrate under which condition this approach is not advisable.

Question 2: Consider an application that requires two integer inputs x and y. Each of these inputs is expected to lie in the following ranges:

$$3 \leq x \leq 7 \text{ and } 5 \leq y \leq 9$$

a) Generate a set of test cases using "boundary value analysis"
b) Generate a set of test cases using "unidimensional partitioning"
c) Generate a set of test cases using "multidimensional partitioning"