

## A5. Input Space Partitioning

**DUE: 11:59PM, Sunday 2 October 2022**

**20 points**

---

### Objectives

- Use Input Space Partitioning to create test cases.
- 

### Tasks

Please answer Q1 and Q2 using the table format that will be presented in class on Tuesday, Sept 27. For Q2, use a separate table for each method.

1. (10 points) Consider the problem that given a text file, output the word tokens and their frequencies. For this problem, define input space partitions that satisfy the completeness and disjointness properties. Explain why your partitions are complete and disjoint. Feel free to make and state assumptions about the text and the tokens.
  2. (10 points) Do all parts (a-e) of problem 6 (BoundedQueue) in the Ammann and Offutt textbook, edition 2, on page 91. If you have edition 1, then the question appears on page 164 as question 5.
- 

### Submission

Type the answers to the above questions in a document called `a5.pdf`. Submit the file using **Assignment Submission** in Canvas.

---