Test Specification

For

<Enumeration Mathematical Library>

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Cycle: 7
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Grading Rubric – Test Specification

This rubric outlines the grading criteria for this document. Note that the criteria represent a plan for grading. Change is possible, especially given the dynamic nature of this course. Any change will be applied consistently for the entire class.

Achievement	**Minimal**	**Exemplary**	**Pts**	**Score**
Content	Section(s) missing, not useful, inconsistent, or wrong.	Provides all relevant information correctly and with appropriate detail		
Introduction			5	
Test Specs				
Selection	Aspects tested are trivial	Tests clearly address core system functions	20	
Organization	Tests are disorganized, IDs or Objectives are not meaningful	Tests are well-organized with structured IDs and clear objectives	20	
Set-up	Steps are unclear or incomplete	Complete, easy to follow conditions and steps	20	
Results	Unclear or incomplete	Complete and clear	20	
Grammar and Spelling	Many serious mistakes in grammar or spelling	Grammar, punctuation, and spelling all correct	5	
Expression	Hard to follow or poor word choices	Clear and concise. A pleasure to read	5	
Tone	Tone not appropriate for technical writing	Tone is consistently professional		
Organization	Information difficult to locate	All information is easy to find and important points stand out	5	
Layout	Layout is inconsistent, visually distracting, or hinders use	Layout is attractive, consistent, and helps guide the reader		
Late Submission				
Total			100	

Test Specifications

1.1 <001> - <Arbitrary Large Numbers>

<001> - <Limitation Test> (<Debdut Karmakar>)

Objective	Test Limitations of arbitrary Large Numbers.
Set-up	Test with very large numbers.
Expected Results	No limit except memory and cpu limit.
Actual Results	Same as expected.

<002> - <Memory Leak Test> (<Debdut Karmakar>)

Objective	Tests memory leak with lots of simulations.
Set-up	Test memory leaks of the structure and findings related bugs.
Expected Results	No segmentation fault or other memory issues.
Actual Results	Same as expected,

1.2 <Design Entity ID> - <Design Entity Name>

<001> - <Limitation Test> (<Debdut Karmakar>)

Objective	Test Limitations of arbitrary precision numbers.
Set-up	Test with computing Pi.
Expected Results	Calculate many digits of pi within memory limitations.
Actual Results	Same as expected.

<002> - <Memory Leak Test> (<Debdut Karmakar>)

Objective	Tests memory leak with lots of simulations.
Set-up	Test memory leaks of the structure and findings related bugs.
Expected Results	No segmentation fault or other memory issues.
Actual Results	Same as expected,