

**Test Specification**  
**For**  
**<Enumeration Mathematical Library>**

# Test Specifications

## 1.1 <001> - <Arbitrary Large Numbers>

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

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

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

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

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

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

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

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

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