README

Big Rational Arithmetic and Robust Geometric Primitives

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About

The project has the following cpp files along with their respective header files –

1. BigInteger
2. BigRational
3. Number
4. RobustGeometricPrimitives2D

Source.cpp file includes all the header files and tests implementation of the operators implemented.

To run the project:

1. Open terminal
2. Open the project folder
3. In the terminal, type

> make

The source file contains the test implementation of all the cpp files. If only BigInteger needs to be tested, comment out all the sections except BigInteger and run the project again. Now the result specific to the operations implemented in BigInteger will run and the output can be seen in the Output file being made.

To see the output file:

1. In the terminal, type

> ./output

For Polygon functions from number 25 to 28 mentioned in the report are tested on the following polygon –