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The objective of this program is to organize 10,000 randomly weighed and colored blocks into the tallest tower possible while observing 2 simple rules:

- (1) Only a lighter block may be stacked on top of another block.
- (2) Only same-colored sides of two blocks can meet at an interface.

One solution produced by this program has been recorded in the file "sample program output (2015/08/29).txt".

There are four files in the source folder (src) of this project:

- (1) Blocks.java
- (2) Block.java
- (3) Block_VERSION_1_OBSOLETE.java
- (4) TimeReporter.java

The first version of the main algorithm (file 3) was able to complete a tower with the given rules, but used only about 10% of the blocks provided.

The second version (file 1) is able to build a tower using 70% of the blocks provided and at great speed (3 seconds).

This project represents a challenging computer science problem that I was able to solve using my experience in Java.