

Report: Connected Components Warmup
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Results

input file	0 connected to 1?
tinyUF.txt	yes
mediumUF.txt	no
largeUF.txt	yes

Methods

For the union-find data structure I used the `WeightedQuickUnionUF.java` from the textbook.

I chose the weighted quick union find structure, since i knew we needed to load the `largeUF.txt` file. This will take some time using quick-union and quick-find. I chose the weighted quick union find structure since union and find are performed in $\lg N$ time. This is the first of the different algorithms to actually get a decent load time on the `largeUF.txt` file.