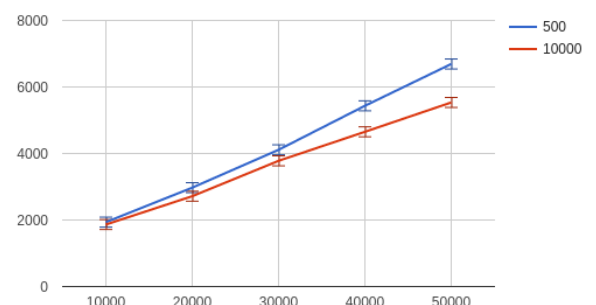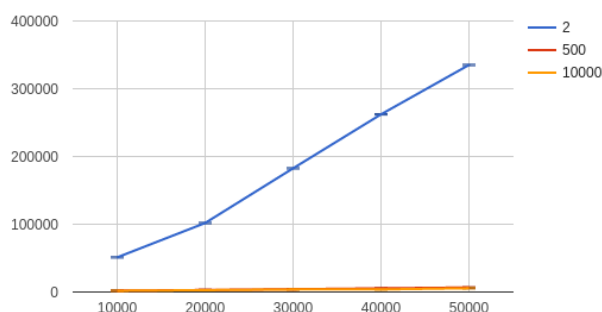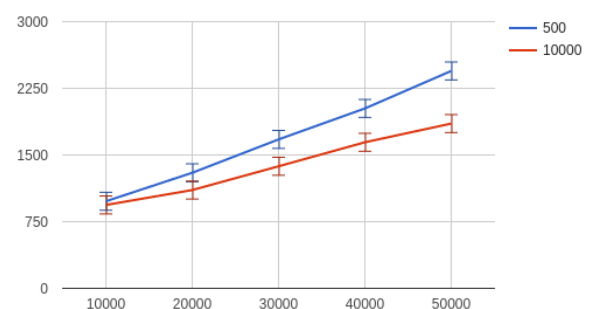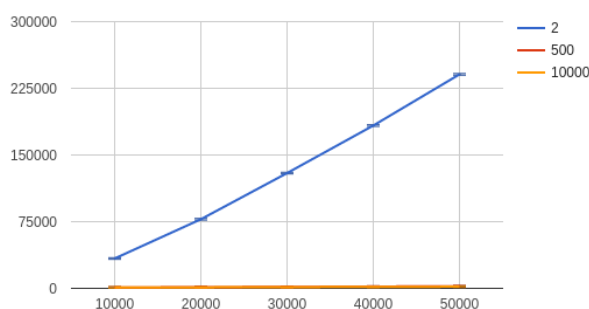Lab 1-5
Lorenzo Millan
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Language: Clojure

       I choose to branch out from the languages I've spent so much time in and try one I had really didn't have much knowledge in. It was a great learning experience and I'm a better programmer for it. I couldn't quite get the speed I wanted, mostly because a lot of the functions I wrote create lists, these sometimes have miniscule changes but the data is immutable so a new list would be created, combined with some heavy recursion. There was a lot of redundant actions that I noticed, but couldn't really find a fix for.

Graphs:

PCY:

Apriori:

The times were very large in the worse case scenario that the standard deviation wasn't really visible so I also graphed the values without the worse case to show the deviation. All times are in ms. The respective programs can be run with *java -jar *name.jar* *file* *(threshold (int))*. The Clojure source code is also included as core.clj