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Collections Project Analysis

Part 1:

HashMap loading data time: 2589125.0 nanoseconds

TreeMap loading data time: 2660524.0 nanoseconds

For loading data, hash maps are quicker than tree maps which is because a tree map organize the data inputs so its an extra step in the load time. So, if you don’t care about the order of the map than use a hash map for quicker efficiency.

HashMap searching data time: 1397645.0 nanoseconds

TreeMap searching data time: 1414157.0 nanoseconds

For searching data, hash maps are slightly faster than tree maps. If you need to find a specific element than tree maps are better because there in order. However, if you are printing out the entire map, then hash maps are slightly faster.

Part 2: