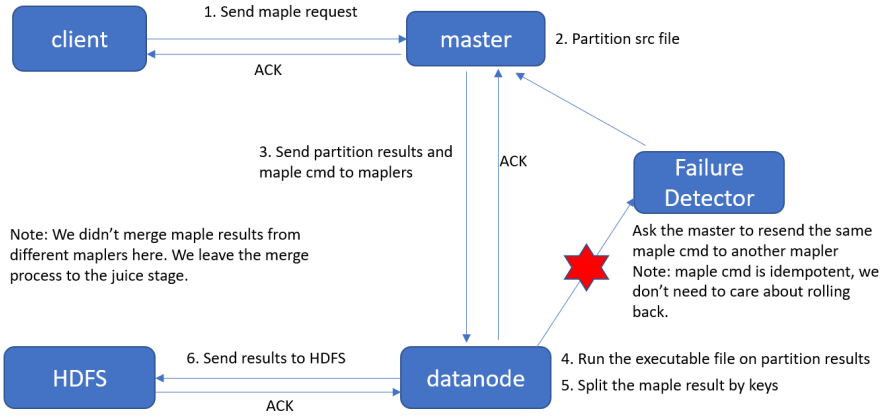
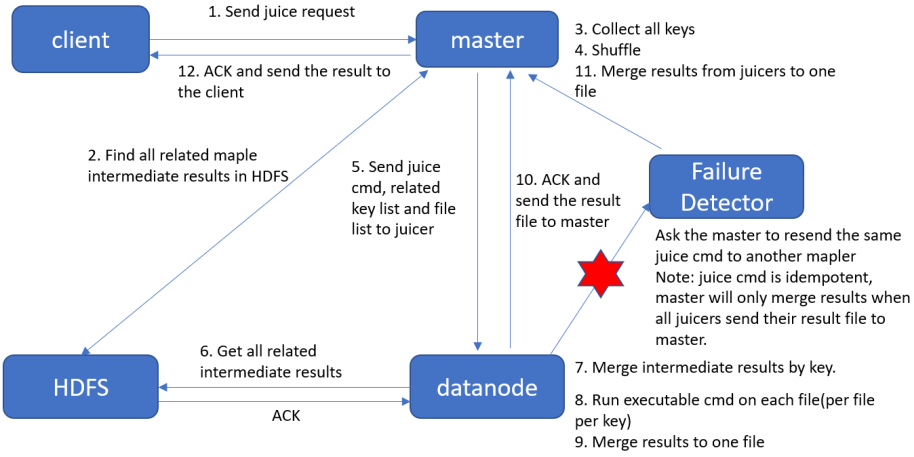
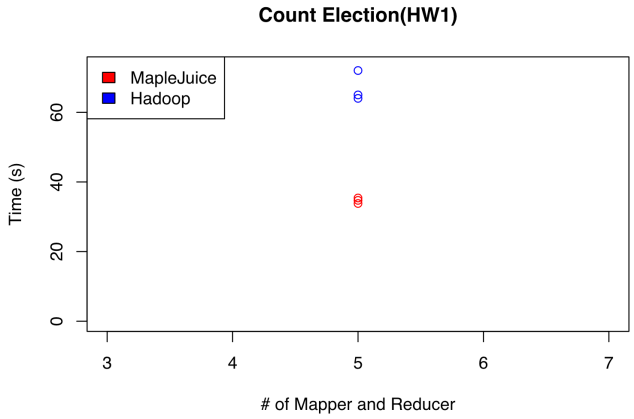
Report

Maple Design

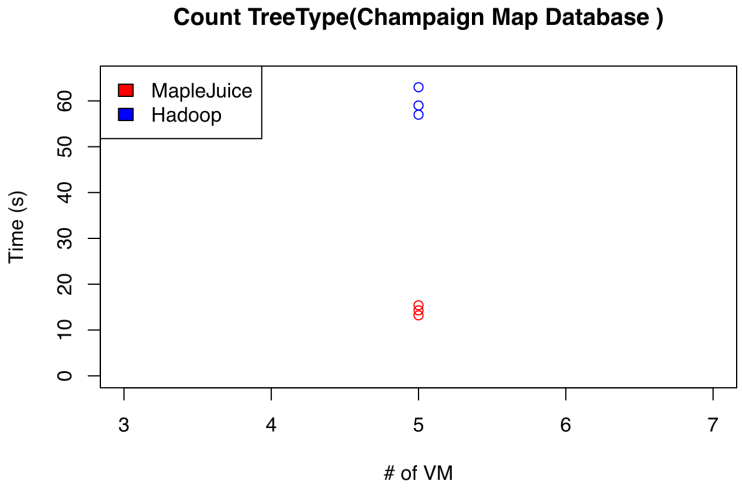


Juice Design





Election	MapleJuice	Hadoop
mean	34.63	67
std	0.8	4.35



TreeType	MapleJuice	Hadoop
mean	14.3	59.67
std	1.1	3.05

Since Hadoop needs to deal with many different and complicated conditions, it should have high compatibility which significantly affects its performance on some simple conditions, such as our two applications. However, our MapleJuice doesn't need to take too much care of complicated conditions and our logic is really straightforward which enhances performance. To conclude, the simpler the dataset is, the faster the result comes out. Size of dataset is another dominant factor to determine the usage of time when mapreduce. This result is what we expected before tests and we do not try to tolerate master failure.