MP7 Results
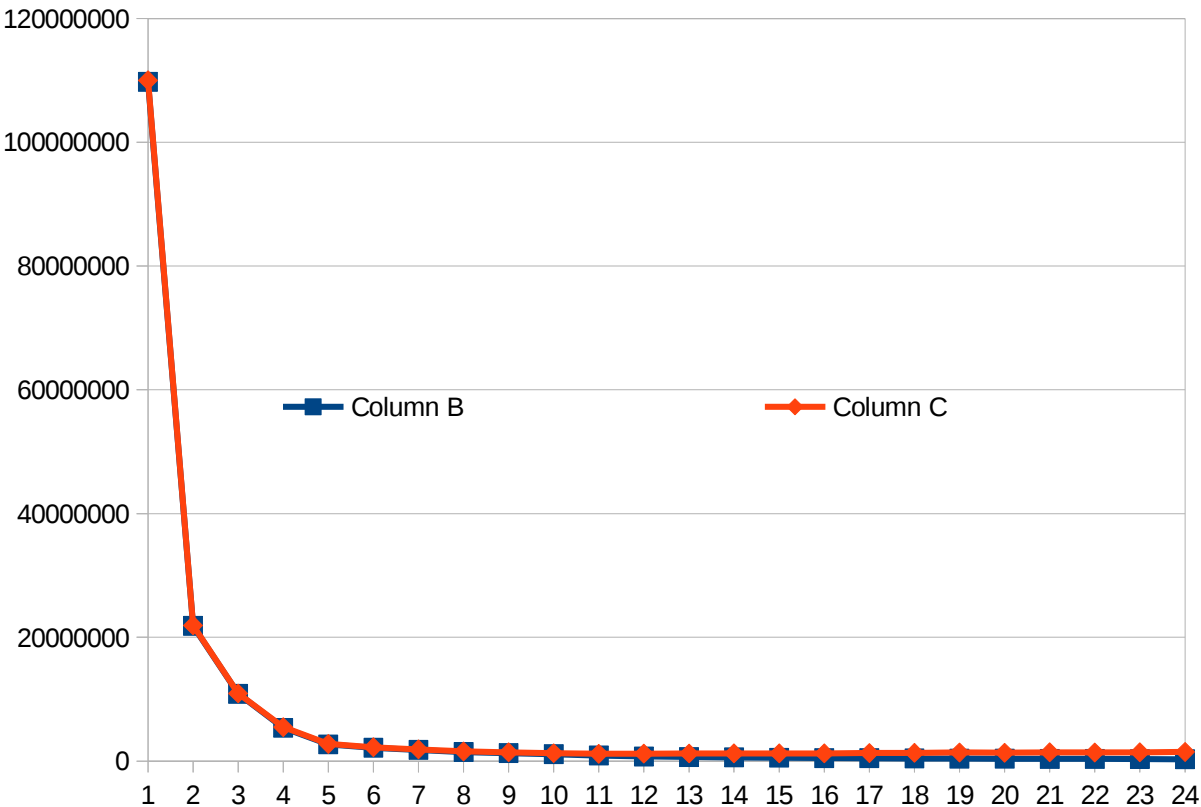

Workers	MP6	MP7
1	109757663	110032842
5	21846597	21929423
10	10862617	10923784
20	5369976	5485946
40	2694782	2773788
50	2159550	2242372
60	1805279	1891438
75	1453857	1574489
85	1288428	1406285
100	1101272	1278104
125	895147	1176812
150	755698	1206382
175	658996	1230227
200	591394	1235680
225	537462	1236859
250	487695	1256105
275	465758	1311041
300	418553	1339613
325	394680	1403408
350	379520	1345350
375	363195	1406411
400	358771	1391845
450	324101	1424580
500	304355	1479426

In the above chart we see the completion times for MP6 (Column B) and MP7(Column C) graphed against each other. We see very similar results in that generally speaking a higher number of workers or request channels will result in a decreased completion time, but with MP7 we can definitely tell there is an ideal number of request channels to have optimal speed. Past this optimal limit, which is around 200 threads, we start to see a decrease in performance when more threads are added to the mix. The raw data is given to the left because the chart did not graph as expected (trying to use libreoffice on ubuntu).