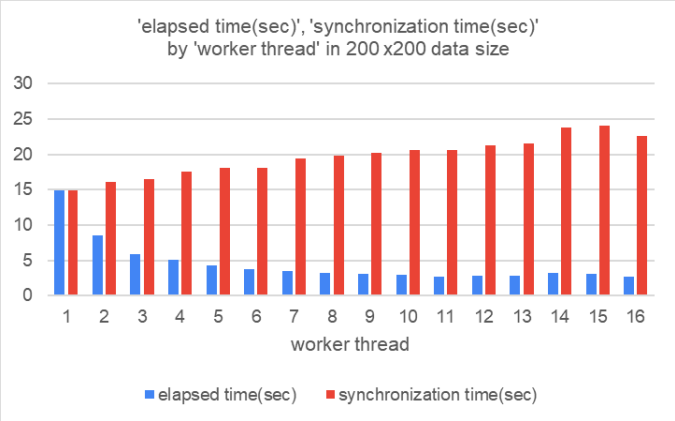
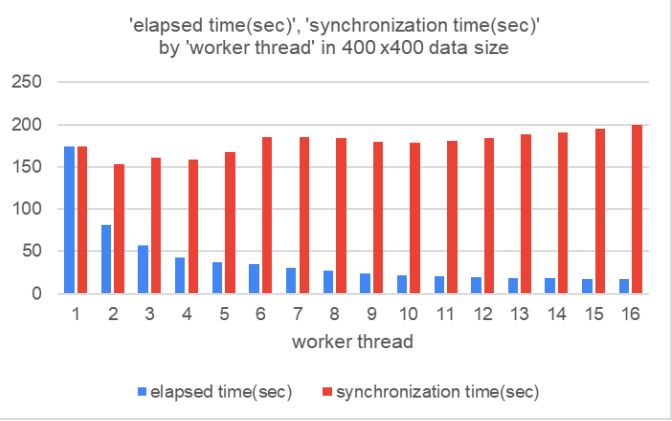
	data size	worker thread	elapsed time(sec)	synchronization time(sec)	data size	worker thread	elapsed time(sec)	synchronization time(sec)
jacobi_seq	200x200	1	14.9601	14.959	400x400	1	174.5502	174.5294
jacobi_sema	200x200	2	8.5272	16.1761	400x400	2	80.7494	153.045
	200x200	3	5.9186	16.4764	400x400	3	56.9737	160.4098
	200x200	4	5.1412	17.5715	400x400	4	42.8767	158.141
	200x200	5	4.2989	18.0498	400x400	5	36.7738	167.3397
	200x200	6	3.7423	18.1182	400x400	6	34.4494	184.7853
	200x200	7	3.5301	19.4011	400x400	7	30.3208	185.0729
	200x200	8	3.2861	19.7642	400x400	8	26.935	183.6029
	200x200	9	3.121	20.2673	400x400	9	23.8488	179.1083
	200x200	10	3.011	20.6279	400x400	10	21.7771	178.8599
	200x200	11	2.7746	20.5697	400x400	11	20.3919	181.2642
	200x200	12	2.9089	21.2551	400x400	12	19.3605	184.4938
	200x200	13	2.8444	21.5911	400x400	13	18.5917	188.2042
	200x200	14	3.2597	23.7694	400x400	14	17.8591	191.0993
	200x200	15	3.1149	24.0573	400x400	15	17.3898	194.7727
	200x200	16	2.7	22.6502	400x400	16	16.8092	199.1045





Generally speaking:

1. Compared the time performance of 200x200 data size and 400x400, it is easy to see and understand that the 400 x400 data size needs considerably more time than 200x200 data size
2. With the increasing worker threads, we can see that generally, elapsed time is decreasing, and synchronization time is increasing.
3. However, we can find that even if this trend is basically consistent, when the number of worker thread is large, the elapsed time might increase a little because of the frequent transitions between threads which might takes some time.

If we focus on the elapsed time, we can see that when the worker thread is little, the improvement of elapsed time is more significant than the setting with more worker threads.

We can also see that the change of synchronization is not so obvious compared with the obvious change of elapsed time, since the overall workload is actually the same even with multiple threads. Using more threads just means we are using more resources at the same time instead of reducing the workload.