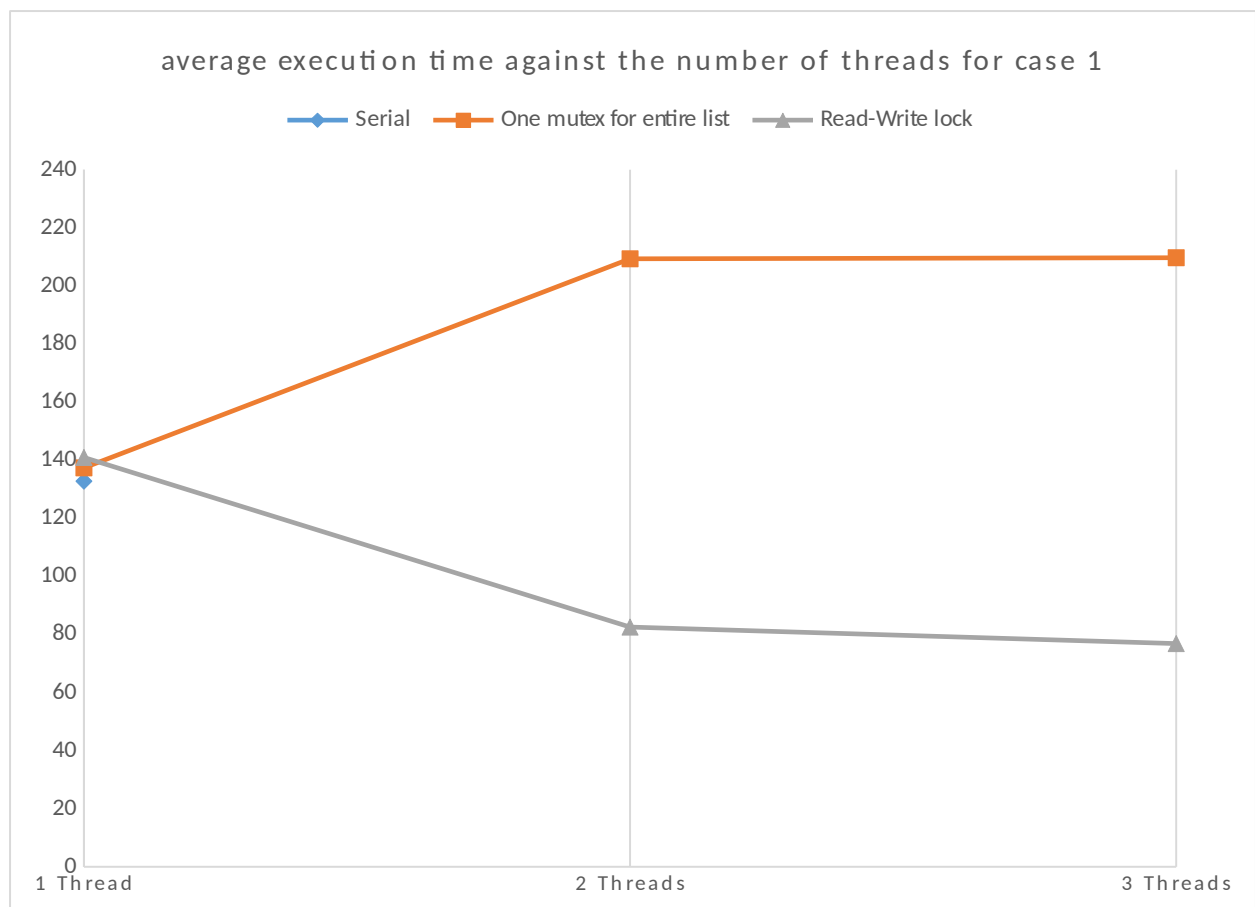


Implementation	Number of threads					
	1		2		4	
	Average	Std	Average	Std	Average	Std
Serial	132.8	13.2367715555				
One mutex for entire list	137.4	10.4668789787	209.39	16.9829950601	209.68	11.9332148293
Read-Write lock	140.95	13.2278975173	82.55	6.63990842093	76.9	4.73008851648

### Case 1

$n = 1,000$  and  $m = 10,000$ ,  $m_{Member} = 0.99$ ,  $m_{Indert} = 0.005$ ,  $m_{Delete} = 0.005$

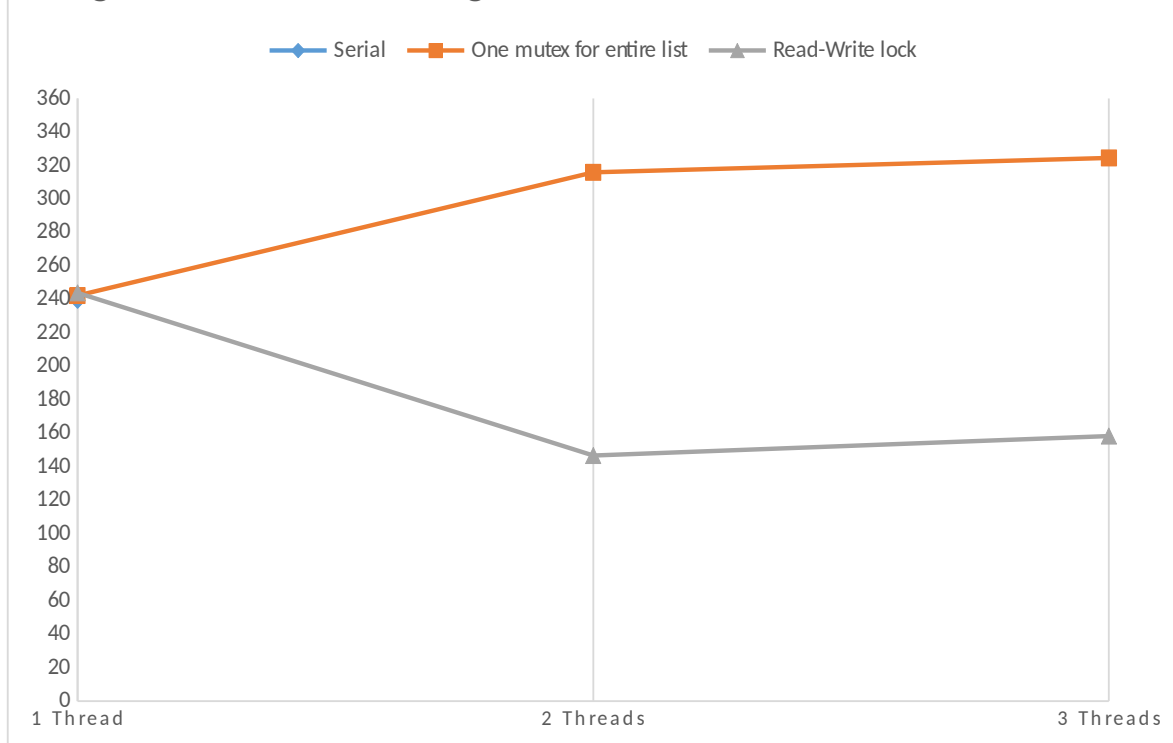


## Case 2

$n = 1,000$  and  $m = 10,000$ ,  $m_{Member} = 0.90$ ,  $m_{Indert} = 0.05$ ,  $m_{Delete} = 0.05$

Implementation	Number of threads					
	1		2		4	
	Average	Std	Average	Std	Average	Std
Serial	239.41	12.8339000268				
One mutex for entire list	242.33	12.4884229217	315.95	21.1485247951	324.61	18.4975537558
Read-Write lock	243.96	13.955861156	146.7	13.0604654425	158.32	18.6519855687

average execution time against the number of threads for case 2



### Case 3

$n = 1,000$  and  $m = 10,000$ ,  $m_{Member} = 0.50$ ,  $m_{Indert} = 0.25$ ,  $m_{Delete} = 0.25$

Implementation	Number of threads					
	1		2		4	
	Average	Std	Average	Std	Average	Std
Serial	579.22	19.291794456				
One mutex for entire list	607.98	40.914293271 9	683.59	39.940383603 9	711.96	50.409017952 2
Read-Write lock	622.44	57.920412130 9	586.76	60.845909036 4	582.37	50.031637465 5

average execution time against the number of threads for case 3

