	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P50(1)_1	0.00	0.00	4.00	3.00	4	4
N10K3P50(1)_2	0.00	0.00	5.00	3.00	3	3
N10K3P50(1)_3	0.00	0.00	5.00	3.00	4	3
N10K3P50(1)_4	0.00	0.00	4.00	3.00	3	4
N10K3P50(1)_5	0.00	0.00	3.00	3.00	4	3
N10K3P50(1)_6	0.00	0.00	5.00	3.00	3	3
N10K3P50(1)_7	0.00	0.00	5.00	3.00	3	3
N10K3P50(1)_8	0.00	0.00	4.00	3.00	4	3
N10K3P50(1)_9	0.00	0.00	4.00	3.00	3	4
N10K3P50(1)_10	0.00	0.00	5.00	3.00	4	3
N10K3P50(2)_1	0.00	0.00	3.00	3.00	3	4
N10K3P50(2)_2	0.00	0.00	4.00	3.00	4	4
N10K3P50(2)_3	0.00	0.00	4.00	3.00	3	4
N10K3P50(2)_4	0.00	0.00	3.00	3.00	4	3
N10K3P50(2)_5	0.00	0.00	4.00	3.00	3	4
N10K3P50(2)_6	0.00	0.00	4.00	3.00	4	4
N10K3P50(2)_7	0.00	0.00	3.00	3.00	4	4
N10K3P50(2)_8	0.00	0.00	4.00	3.00	3	3
N10K3P50(2)_9	0.00	0.00	3.00	3.00	4	4
N10K3P50(2)_10	0.00	0.00	4.00	3.00	3	4
N10K3P50(3)_1	0.00	0.00	5.00	3.00	3	4
N10K3P50(3)_2	0.00	0.00	4.00	3.00	4	4
N10K3P50(3)_3	0.00	0.00	4.00	3.00	4	4
N10K3P50(3)_4	0.00	0.00	5.00	3.00	3	3
N10K3P50(3)_5	0.00	0.00	5.00	3.00	4	3
N10K3P50(3)_6	0.00	0.00	3.00	3.00	4	4
N10K3P50(3)_7	0.00	0.00	5.00	3.00	3	3
N10K3P50(3)_8	0.00	0.00	5.00	3.00	4	3
N10K3P50(3)_9	0.00	0.00	6.00	3.00	3	4
N10K3P50(3)_10	0.00	0.00	4.00	3.00	4	4
N10K3P50(4)_1	0.00	0.00	6.00	5.00	2	3
N10K3P50(4)_2	0.00	0.00	6.00	4.00	2	3
N10K3P50(4)_3	0.00	0.00	6.00	3.00	3	2
N10K3P50(4)_4	0.00	0.00	6.00	7.00	3	2
N10K3P50(4)_5	0.00	0.00	5.00	5.00	2	3
N10K3P50(4)_6	0.00	0.00	6.00	6.00	3	3
N10K3P50(4)_7	0.00	0.00	6.00	7.00	3	3
N10K3P50(4)_8	0.00	0.00	6.00	5.00	3	2
N10K3P50(4)_9	0.00	0.00	5.00	5.00	2	3
N10K3P50(4)_10	0.00	0.00	5.00	6.00	3	3
N10K3P50(5)_1	0.00	0.00	3.00	3.00	4	5
N10K3P50(5)_2	0.00	0.00	3.00	3.00	3	4
N10K3P50(5)_3	0.00	0.00	3.00	3.00	4	3
N10K3P50(5)_4	0.00	0.00	3.00	3.00	3	4
N10K3P50(5)_5	0.00	0.00	3.00	3.00	4	3
N10K3P50(5)_6	0.00	0.00	4.00	3.00	3	4
N10K3P50(5)_7	0.00	0.00	3.00	3.00	4	3
N10K3P50(5)_8	0.00	0.00	3.00	3.00	3	3
N10K3P50(5)_9	0.00	0.00	3.00	3.00	4	4
N10K3P50(5)_10	0.00	0.00	3.00	3.00	3	3
N10K3P50(6)_1	0.00	0.00	4.00	3.00	4	3
N10K3P50(6)_2	0.00	0.00	4.00	3.00	3	4
N10K3P50(6)_3	0.00	0.00	3.00	3.00	4	3
N10K3P50(6)_4	0.00	0.00	4.00	3.00	3	3
N10K3P50(6)_5	0.00	0.00	4.00	3.00	3	3
N10K3P50(6)_6	0.00	0.00	4.00	3.00	4	3

T	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P50(6)_7	0.00	0.00	4.00	3.00	3	4
N10K3P50(6)_8	0.00	0.00	5.00	3.00	4	3
N10K3P50(6)_9	0.00	0.00	4.00	3.00	3	4
N10K3P50(6)_10	0.00	0.00	3.00	3.00	3	4
N10K3P50(7)_1	0.00	0.00	7.00	6.00	20	20
N10K3P50(7)_2	0.00	0.00	8.00	7.00	8	7
N10K3P50(7)_3	0.00	0.00	6.00	7.00	8	6
N10K3P50(7)_4	0.00	0.00	6.00	7.00	7	6
N10K3P50(7)_5	0.00	0.00	9.00	7.00	7	5
N10K3P50(7)_6	0.00	0.00	9.00	7.00	6	5
N10K3P50(7)_7	0.00	0.00	7.00	7.00	6	5
N10K3P50(7)_8	0.00	0.00	7.00	6.00	6	4
N10K3P50(7)_9	0.00	0.00	9.00	7.00	5	4
N10K3P50(7)_10	0.00	0.00	6.00	7.00	5	5
N10K3P50(8)_1	0.00	0.00	5.00	3.00	3	3
N10K3P50(8)_2	0.00	0.00	6.00	3.00	3	4
N10K3P50(8)_3	0.00	0.00	6.00	3.00	3	3
N10K3P50(8)_4	0.00	0.00	5.00	3.00	3	3
N10K3P50(8)_5	0.00	0.00	6.00	3.00	4	3
N10K3P50(8)_6	0.00	0.00	5.00	3.00	3	3
N10K3P50(8)_7	0.00	0.00	6.00	3.00	3	3
N10K3P50(8)_8	0.00	0.00	5.00	3.00	3	3
N10K3P50(8)_9	0.00	0.00	6.00	3.00	3	4
N10K3P50(8)_10	0.00	0.00	4.00	3.00	3	3
N10K3P50(9)_1	0.00	0.00	3.00	3.00	3	3
N10K3P50(9)_2	0.00	0.00	4.00	3.00	3	4
N10K3P50(9)_3	0.00	0.00	3.00	3.00	3	4
N10K3P50(9)_4	0.00	0.00	3.00	3.00	3	3
N10K3P50(9)_5	0.00	0.00	4.00	3.00	3	4
N10K3P50(9)_6	0.00	0.00	4.00	3.00	4	4
N10K3P50(9)_7	0.00	0.00	3.00	3.00	3	3
N10K3P50(9)_8	0.00	0.00	4.00	3.00	4	4
N10K3P50(9)_9	0.00	0.00	3.00	3.00	3	3
N10K3P50(9)_10	0.00	0.00	4.00	3.00	4	4
N10K3P50(10)_1	0.00	0.00	7.00	5.00	3	4
N10K3P50(10)_2	0.00	0.00	6.00	5.00	4	4
N10K3P50(10)_3	0.00	0.00	7.00	5.00	3	4
N10K3P50(10)_4	0.00	0.00	8.00	5.00	4	4
N10K3P50(10)_5	0.00	0.00	7.00	5.00	3	4
N10K3P50(10)_6	0.00	0.00	7.00	5.00	3	4
N10K3P50(10)_7	0.00	0.00	6.00	5.00	4	3
N10K3P50(10)_8	0.00	0.00	7.00	5.00	3	4
N10K3P50(10)_9	0.00	0.00	6.00	5.00	4	4
N10K3P50(10)_10	0.00	0.00	7.00	5.00	3	4
N10K3P60(1)_1	0.00	0.00	6.00	3.00	3	3
N10K3P60(1)_2	0.00	0.00	4.00	3.00	4	4
N10K3P60(1)_3	0.00	0.00	4.00	3.00	3	4
N10K3P60(1)_4	0.00	0.00	4.00	3.00	4	3
N10K3P60(1)_5	0.00	0.00	5.00	3.00	3	4
N10K3P60(1)_6	0.00	0.00	4.00	3.00	4	3
N10K3P60(1)_7	0.00	0.00	4.00	3.00	3	4
N10K3P60(1)_8	0.00	0.00	3.00	3.00	3	3
N10K3P60(1)_9	0.00	0.00	5.00	3.00	3	3
N10K3P60(1)_10	0.00	0.00	3.00	3.00	3	4
N10K3P60(2)_1	0.00	0.00	5.00	4.00	3	4
N10K3P60(2)_2	0.00	0.00	5.00	4.00	4	4
N10K3P60(2)_3	0.00	0.00	5.00	4.00	3	3

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P60(2)_4	0.00	0.00	5.00	4.00	4	4
N10K3P60(2)_5	0.00	0.00	5.00	5.00	3	3
N10K3P60(2)_6	0.00	0.00	5.00	4.00	4	3
N10K3P60(2)_7	0.00	0.00	5.00	5.00	4	4
N10K3P60(2)_8	0.00	0.00	5.00	5.00	3	4
N10K3P60(2)_9	0.00	0.00	4.00	5.00	4	3
N10K3P60(2)_10	0.00	0.00	5.00	5.00	4	4
N10K3P60(3)_1	0.00	0.00	7.00	6.00	4	3
N10K3P60(3)_2	0.00	0.00	7.00	6.00	3	3
N10K3P60(3)_3	0.00	0.00	7.00	6.00	4	4
N10K3P60(3)_4	0.00	0.00	6.00	6.00	3	3
N10K3P60(3)_5	0.00	0.00	6.00	5.00	4	3
N10K3P60(3)_6	0.00	0.00	7.00	6.00	3	4
N10K3P60(3)_7	0.00	0.00	6.00	6.00	4	3
N10K3P60(3)_8	0.00	0.00	7.00	6.00	3	3
N10K3P60(3)_9	0.00	0.00	6.00	6.00	4	4
N10K3P60(3)_10	0.00	0.00	8.00	6.00	3	4
N10K3P60(4)_1	0.07	0.07	5.00	5.00	366	380
N10K3P60(4)_2	0.07	0.07	5.00	5.00	361	379
N10K3P60(4)_3	0.07	0.07	5.00	5.00	362	378
N10K3P60(4)_4	0.07	0.07	5.00	5.00	362	379
N10K3P60(4)_5	0.07	0.07	6.00	5.00	363	376
N10K3P60(4)_6	0.07	0.07	5.00	6.00	362	382
N10K3P60(4)_7	0.07	0.07	6.00	5.00	364	379
N10K3P60(4)_8	0.07	0.07	5.00	5.00	360	382
N10K3P60(4)_9	0.07	0.07	5.00	5.00	364	378
N10K3P60(4)_10	0.07	0.07	5.00	5.00	361	380
N10K3P60(5)_1 N10K3P60(5)_2	0.00	0.00 0.00	4.00 5.00	3.00	3	$\frac{4}{3}$
N10K3P60(5)_2 N10K3P60(5)_3	0.00	0.00	4.00	3.00	4	4
N10K3P60(5)_3	0.00	0.00	5.00	3.00	3	4
N10K3P60(5)_5	0.00	0.00	4.00	3.00	4	3
N10K3P60(5)_6	0.00	0.00	5.00	3.00	3	4
N10K3P60(5)_7	0.00	0.00	4.00	3.00	3	3
N10K3P60(5)_8	0.00	0.00	5.00	3.00	3	4
N10K3P60(5)_9	0.00	0.00	4.00	3.00	3	3
N10K3P60(5)_10	0.00	0.00	4.00	3.00	3	4
N10K3P60(6)_1	0.00	0.00	6.00	4.00	3	3
N10K3P60(6)_2	0.00	0.00	6.00	4.00	3	4
N10K3P60(6)_3	0.00	0.00	6.00	4.00	4	3
N10K3P60(6)_4	0.00	0.00	6.00	4.00	3	4
N10K3P60(6)_5	0.00	0.00	7.00	4.00	3	3
N10K3P60(6)_6	0.00	0.00	6.00	4.00	3	4
N10K3P60(6)_7	0.00	0.00	6.00	4.00	3	3
N10K3P60(6)_8	0.00	0.00	7.00	4.00	4	4
N10K3P60(6)_9	0.00	0.00	7.00	4.00	3	3
N10K3P60(6)_10	0.00	0.00	6.00	4.00	3	4
N10K3P60(7)_1	0.04	0.04	7.00	7.00	506	501
N10K3P60(7)_2	0.04	0.04	7.00	7.00	485	509
N10K3P60(7)_3	0.04	0.04	7.00	7.00	508	495
N10K3P60(7)_4	0.04	0.04	7.00	7.00	463	458
N10K3P60(7)_5	0.04	0.04	7.00	7.00	440	456
N10K3P60(7)_6	0.04	0.04	7.00	7.00	452	438
N10K3P60(7)_7	0.04	0.04	7.00	7.00	450	442
N10K3P60(7)_8	0.04	0.04	7.00	7.00	450	444
N10K3P60(7)_9	0.04	0.04	7.00	7.00	452	445
N10K3P60(7)_10	0.04	0.04	7.00	7.00	464	449

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P60(8)_1	0.00	0.00	6.00	6.00	3	3
N10K3P60(8)_2	0.00	0.00	6.00	7.00	3	3
N10K3P60(8)_3	0.00	0.00	5.00	6.00	3	3
N10K3P60(8)_4	0.00	0.00	6.00	3.00	3	3
N10K3P60(8)_5	0.00	0.00	8.00	6.00	3	3
N10K3P60(8)_6	0.00	0.00	7.00	7.00	3	3
N10K3P60(8)_7	0.00	0.00	6.00	7.00	3	3
N10K3P60(8)_8	0.00	0.00	6.00	3.00	3	4
N10K3P60(8)_9	0.00	0.00	7.00	5.00	3	3
N10K3P60(8)_10	0.00	0.00	6.00	6.00	3	3
N10K3P60(9)_1	0.00	0.00	6.00	4.00	3	4
N10K3P60(9)_2	0.00	0.00	6.00	4.00	3	3
N10K3P60(9)_3	0.00	0.00	5.00	4.00	3	3
N10K3P60(9)_4	0.00	0.00	4.00	4.00	3	4
N10K3P60(9)_5	0.00	0.00	5.00	4.00	4	4
N10K3P60(9)_6	0.00	0.00	5.00	4.00	3	3
N10K3P60(9)_7	0.00	0.00	5.00	4.00	4	4
N10K3P60(9)_8	0.00	0.00	6.00	4.00	3	4
N10K3P60(9)_9	0.00	0.00	5.00	4.00	4	3
N10K3P60(9)_10	0.00	0.00	4.00	4.00	3	4
N10K3P60(10)_1	0.00	0.00	10.00	10.00	3	3
N10K3P60(10)_2	0.00	0.00	10.00	9.00	4	3
N10K3P60(10)_3	0.00	0.00	10.00	9.00	4	4
N10K3P60(10)_4	0.00	0.00	9.00	9.00	3	4
N10K3P60(10)_5	0.00	0.00	10.00	9.00	4	3
N10K3P60(10)_6	0.00	0.00	9.00	10.00	3	3
N10K3P60(10)_7	0.00	0.00	10.00	7.00	4	4
N10K3P60(10)_8	0.00	0.00	10.00	10.00	3	6
N10K3P60(10)_9	0.00	0.00	9.00	10.00	3	6
N10K3P60(10)_10	0.00	0.00	10.00	10.00	4	4
N10K3P70(1)_1	0.00	0.00	6.00	4.00	3	3
N10K3P70(1)_2	0.00	0.00	6.00	4.00	3	4
N10K3P70(1)_3	0.00	0.00	6.00	4.00	3	3
N10K3P70(1)_4	0.00	0.00	5.00	4.00	3	4
N10K3P70(1)_5	0.00	0.00	6.00	4.00	3	3
N10K3P70(1)_6	0.00	0.00	7.00	4.00	3	3
N10K3P70(1)_7	0.00	0.00	7.00	4.00	4	4
N10K3P70(1)_8	0.00	0.00	4.00	4.00	3	3
N10K3P70(1)_9	0.00	0.00	6.00	4.00	3	4
N10K3P70(1)_10	0.00	0.00	5.00	4.00	3	3
N10K3P70(2)_1	0.00	0.00	6.00	5.00	3	4
N10K3P70(2)_2	0.00	0.00	5.00	5.00	4	3
N10K3P70(2)_3	0.00	0.00	6.00	5.00	3	3
N10K3P70(2)_4	0.00	0.00	6.00	5.00	4	4
N10K3P70(2)_5	0.00	0.00	4.00	5.00	3	4
N10K3P70(2)_6	0.00	0.00	6.00	5.00	4	3
N10K3P70(2)_7	0.00	0.00	5.00	5.00	4	4
N10K3P70(2)_8	0.00	0.00	6.00	5.00	3	4
N10K3P70(2)_9	0.00	0.00	6.00	5.00	4	3
N10K3P70(2)_10	0.00	0.00	5.00	5.00	3	3
N10K3P70(3)_1	0.00	0.00	10.00	10.00	3	3
N10K3P70(3)_2	0.00	0.00	10.00	10.00	3	4
N10K3P70(3)_3	0.00	0.00	9.00	10.00	3	4
N10K3P70(3)_4	0.00	0.00	9.00	10.00	6	3
N10K3P70(3)_5	0.00	0.00	9.00	8.00	4	4
N10K3P70(3)_6	0.00	0.00	10.00	10.00	3	3
N10K3P70(3)_7	0.00	0.00	10.00	9.00	4	6

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P70(3)_8	0.00	0.00	9.00	10.00	3	3
N10K3P70(3)_9	0.00	0.00	10.00	8.00	6	4
N10K3P70(3)_10	0.00	0.00	8.00	10.00	4	4
N10K3P70(4)_1	0.17	0.17	3.00	3.00	320	336
N10K3P70(4)_2	0.17	0.17	3.00	3.00	320	332
N10K3P70(4)_3	0.17	0.17	3.00	3.00	319	337
N10K3P70(4)_4	0.17	0.17	3.00	3.00	319	341
N10K3P70(4)_5	0.17	0.17	3.00	3.00	322	340
N10K3P70(4)_6	0.17	0.17	3.00	3.00	323	337
N10K3P70(4)_7	0.17	0.17	3.00	4.00	323	344
N10K3P70(4)_8	0.17	0.17	3.00	3.00	321	339
N10K3P70(4)_9	0.17	0.17	3.00	3.00	321	338
N10K3P70(4)_10	0.17	0.17	3.00	3.00	322	337
N10K3P70(5)_1	0.00	0.00	5.00	3.00	3	4
N10K3P70(5)_2	0.00	0.00	5.00	3.00	4	3
N10K3P70(5)_3	0.00	0.00	4.00	3.00	3	3
N10K3P70(5)_4	0.00	0.00	5.00	3.00	3	3
N10K3P70(5)_5	0.00	0.00	5.00	3.00	3	4
N10K3P70(5)_6	0.00	0.00	5.00	3.00	3	3
N10K3P70(5)_7	0.00	0.00	4.00	3.00	3	4
N10K3P70(5)_8	0.00	0.00	5.00	3.00	3	3
N10K3P70(5)_9	0.00	0.00	4.00	3.00	4	4
N10K3P70(5)_10	0.00	0.00	5.00	3.00	3	3
N10K3P70(6)_1	0.00	0.00	7.00	5.00	3	3
N10K3P70(6)_2	0.00	0.00	8.00	5.00	3	4
N10K3P70(6)_3	0.00	0.00	6.00	5.00	4	3
N10K3P70(6)_4	0.00	0.00	9.00	5.00	3	4
N10K3P70(6)_5	0.00	0.00	8.00	5.00	4	3
N10K3P70(6)_6	0.00	0.00	7.00	5.00	3	4
N10K3P70(6)_7	0.00	0.00	7.00	5.00	3	3
N10K3P70(6)_8	0.00	0.00	8.00	5.00	4	4
N10K3P70(6)_9	0.00	0.00	8.00	5.00	3	3
N10K3P70(6)_10	0.00	0.00	6.00	5.00	3	4
N10K3P70(7)_1	0.24	0.24	7.00	7.00	440	438
N10K3P70(7)_2	0.24	0.24	8.00	7.00	461	440
N10K3P70(7)_3	0.24	0.24	7.00	7.00	444	432
N10K3P70(7)_4	0.24	0.24	7.00	7.00	443	437
N10K3P70(7)_5	0.24	0.24	7.00	7.00	443	434
N10K3P70(7)_6	0.24	0.24	7.00	7.00	445	446
N10K3P70(7)_7 N10K3P70(7)_8	0.24	0.24	7.00	7.00	452 448	441
N10K3P70(7)_8 N10K3P70(7)_9	0.24	0.24 0.24	7.00	7.00	448	448
N10K3P70(7)_9 N10K3P70(7)_10	0.24	0.24 0.24	7.00	7.00	443	$\frac{442}{435}$
N10K3P70(7)_10 N10K3P70(8)_1	0.24	0.24	8.00	6.00	3	455
N10K3P70(8)_2	0.00	0.00	7.00	7.00	4	3
N10K3P70(8)_3	0.00	0.00	6.00	8.00	3	3
N10K3P70(8)_4	0.00	0.00	7.00	7.00	3	3
N10K3P70(8)_5	0.00	0.00	7.00	6.00	3	4
N10K3P70(8)_6	0.00	0.00	9.00	6.00	3	3
N10K3P70(8)_7	0.00	0.00	6.00	8.00	3	3
N10K3P70(8)_8	0.00	0.00	8.00	7.00	3	3
N10K3P70(8)_9	0.00	0.00	6.00	7.00	3	3
N10K3P70(8)_10	0.00	0.00	7.00	7.00	3	3
N10K3P70(9)_1	0.00	0.00	7.00	4.00	3	3
N10K3P70(9)_2	0.00	0.00	7.00	4.00	3	$\frac{3}{4}$
N10K3P70(9)_3	0.00	0.00	6.00	4.00	4	3
N10K3P70(9)_4	0.00	0.00	5.00	4.00	3	4
1.10101 / 0(7)-1	1 3.00	3.00		2.00	•	

T 4 #D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P70(9)_5	0.00	0.00	6.00	4.00	4	3
N10K3P70(9)_6	0.00	0.00	7.00	4.00	3	3
N10K3P70(9)_7	0.00	0.00	7.00	4.00	4	4
N10K3P70(9)_8	0.00	0.00	7.00	4.00	3	3
N10K3P70(9)_9	0.00	0.00	8.00	4.00	3	4
N10K3P70(9)_10	0.00	0.00	6.00	4.00	3	3
N10K3P70(10)_1	0.02	0.02	8.00	8.00	519	538
N10K3P70(10)_2	0.02	0.02	8.00	9.00	505	552
N10K3P70(10)_3	0.02	0.02	8.00	8.00	514	685
N10K3P70(10)_4	0.02	0.02	8.00	8.00	519	532
N10K3P70(10)_5	0.02	0.02	9.00	8.00	499	535
N10K3P70(10)_6	0.02	0.02	8.00	8.00	526	523
N10K3P70(10)_7	0.02	0.02	8.00	8.00	508	571
N10K3P70(10)_8	0.02	0.02	9.00	8.00	519	549
N10K3P70(10)_9	0.02	0.02	8.00	8.00	521	537
N10K3P70(10)_10	0.02	0.02	9.00	8.00	503	526
N10K3P80(1)_1	0.00	0.00	6.00	4.00	3	4
N10K3P80(1)_2	0.00	0.00	6.00	4.00	3	3
N10K3P80(1)_3	0.00	0.00	7.00	4.00	4	4
N10K3P80(1)_4	0.00	0.00	6.00	4.00	3	3
N10K3P80(1)_5	0.00	0.00	7.00	4.00	3	4
N10K3P80(1)_6	0.00	0.00	7.00	4.00	3	3
N10K3P80(1)_7	0.00	0.00	7.00	4.00	4	4
N10K3P80(1)_8	0.00	0.00	6.00	4.00	3	3
N10K3P80(1)_9	0.00	0.00	7.00	4.00	4	3
N10K3P80(1)_10	0.00	0.00	7.00	4.00	3	3
N10K3P80(2)_1	0.00	0.00	6.00	5.00	4	4
N10K3P80(2)_2 N10K3P80(2)_3	0.00	0.00 0.00	6.00 7.00	5.00	3 4	$\frac{4}{3}$
N10K3P80(2)_3 N10K3P80(2)_4	0.00	0.00	6.00	5.00	4	3
N10K3P80(2)_4 N10K3P80(2)_5	0.00	0.00	7.00	5.00	3	4
N10K3P80(2)_6	0.00	0.00	6.00	5.00	4	4
N10K3P80(2)_7	0.00	0.00	6.00	5.00	3	3
N10K3P80(2)_8	0.00	0.00	5.00	5.00	4	4
N10K3P80(2)_9	0.00	0.00	6.00	5.00	3	4
N10K3P80(2)_10	0.00	0.00	7.00	5.00	4	3
N10K3P80(3)_1	0.09	0.09	9.00	8.00	493	539
N10K3P80(3)_2	0.09	0.09	8.00	8.00	510	535
N10K3P80(3)_3	0.09	0.09	9.00	9.00	513	510
N10K3P80(3)_4	0.09	0.09	8.00	8.00	523	532
N10K3P80(3)_5	0.09	0.09	8.00	8.00	505	528
N10K3P80(3)_6	0.09	0.09	9.00	8.00	559	523
N10K3P80(3)_7	0.09	0.09	8.00	8.00	495	528
N10K3P80(3)_8	0.09	0.09	8.00	9.00	531	518
N10K3P80(3)_9	0.09	0.09	8.00	8.00	494	533
N10K3P80(3)_10	0.09	0.09	9.00	8.00	498	536
N10K3P80(4)_1	0.27	0.27	3.00	3.00	319	338
N10K3P80(4)_2	0.27	0.27	3.00	3.00	318	340
N10K3P80(4)_3	0.27	0.27	3.00	3.00	320	338
N10K3P80(4)_4	0.27	0.27	3.00	3.00	320	337
N10K3P80(4)_5	0.27	0.27	3.00	3.00	318	336
N10K3P80(4)_6	0.27	0.27	3.00	3.00	320	344
N10K3P80(4)_7	0.27	0.27	3.00	3.00	318	336
N10K3P80(4)_8	0.27	0.27	3.00	3.00	320	339
N10K3P80(4)_9	0.27	0.27	3.00	4.00	320	338
N10K3P80(4)_10	0.27	0.27	3.00	3.00	320	339
N10K3P80(5)_1	0.00	0.00	5.00	3.00	4	5

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P80(5)_2	0.00	0.00	6.00	3.00	3	3
N10K3P80(5)_3	0.00	0.00	4.00	3.00	3	4
N10K3P80(5)_4	0.00	0.00	6.00	3.00	4	3
N10K3P80(5)_5	0.00	0.00	5.00	3.00	3	4
N10K3P80(5)_6	0.00	0.00	6.00	3.00	4	3
N10K3P80(5)_7	0.00	0.00	5.00	3.00	3	4
N10K3P80(5)_8	0.00	0.00	6.00	3.00	3	3
N10K3P80(5)_9	0.00	0.00	5.00	3.00	3	4
N10K3P80(5)_10	0.00	0.00	6.00	3.00	3	3
N10K3P80(6)_1	0.00	0.00	9.00	8.00	21	3
N10K3P80(6)_2	0.00	0.00	10.00	8.00	33	4
N10K3P80(6)_3	0.00	0.00	10.00	8.00	8	3
N10K3P80(6)_4	0.00	0.00	10.00	8.00	29	3
N10K3P80(6)_5	0.00	0.00	10.00	8.00	15	4
N10K3P80(6)_6	0.00	0.00	10.00	8.00	20	3
N10K3P80(6) ₋ 7	0.00	0.00	9.00	8.00	22	4
N10K3P80(6)_8	0.00	0.00	9.00	8.00	15	3
N10K3P80(6)_9	0.00	0.00	10.00	8.00	22	3
N10K3P80(6)_10	0.00	0.00	10.00	8.00	30	3
N10K3P80(7)_1	0.44	0.44	7.00	7.00	439	427
N10K3P80(7)_2	0.44	0.44	7.00	7.00	439	427
N10K3P80(7)_3	0.44	0.44	7.00	7.00	433	430
N10K3P80(7)_4	0.44	0.44	8.00	7.00	434	426
N10K3P80(7)_5	0.44	0.44	8.00	7.00	446	426
N10K3P80(7)_6	0.44	0.44	7.00	7.00	441	427
N10K3P80(7)_7	0.44	0.44	7.00	7.00	439	427
N10K3P80(7)_8	0.44	0.44	7.00	7.00	446	428
N10K3P80(7)_9	0.44	0.44	7.00	7.00	437	427
N10K3P80(7)_10 N10K3P80(8)_1	0.44	0.44	7.00	7.00 8.00	440	427
N10K3P80(8)_1 N10K3P80(8)_2	0.00	0.00	10.00	10.00	3	3
N10K3P80(8)_3	0.00	0.00	10.00	10.00	3	3
N10K3P80(8)_4	0.00	0.00	10.00	9.00	3	3
N10K3P80(8)_5	0.00	0.00	9.00	8.00	3	3
N10K3P80(8)_6	0.00	0.00	9.00	9.00	3	4
N10K3P80(8)_7	0.00	0.00	8.00	9.00	3	3
N10K3P80(8)_8	0.00	0.00	8.00	9.00	3	3
N10K3P80(8)_9	0.00	0.00	10.00	7.00	6	4
N10K3P80(8)_10	0.00	0.00	9.00	9.00	3	3
N10K3P80(9)_1	0.00	0.00	8.00	4.00	3	4
N10K3P80(9)_2	0.00	0.00	7.00	4.00	4	4
N10K3P80(9)_3	0.00	0.00	6.00	4.00	3	3
N10K3P80(9)_4	0.00	0.00	6.00	4.00	4	4
N10K3P80(9)_5	0.00	0.00	7.00	4.00	3	3
N10K3P80(9)_6	0.00	0.00	8.00	4.00	4	3
N10K3P80(9)_7	0.00	0.00	9.00	4.00	3	3
N10K3P80(9)_8	0.00	0.00	8.00	4.00	4	3
N10K3P80(9)_9	0.00	0.00	8.00	4.00	3	3
N10K3P80(9)_10	0.00	0.00	7.00	4.00	4	4
N10K3P80(10)_1	0.18	0.18	8.00	8.00	515	537
N10K3P80(10)_2	0.18	0.18	9.00	8.00	520	538
N10K3P80(10)_3	0.18	0.18	9.00	8.00	537	523
N10K3P80(10)_4	0.18	0.18	8.00	8.00	513	539
N10K3P80(10)_5	0.18	0.18	8.00	8.00	502	548
N10K3P80(10)_6	0.18	0.18	8.00	8.00	518	529
N10K3P80(10)_7	0.18	0.18	9.00	8.00	511	538
N10K3P80(10)_8	0.18	0.18	8.00	9.00	520	518

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K3P80(10)_9	0.18	0.18	8.00	9.00	511	553
N10K3P80(10)_10	0.18	0.18	9.00	8.00	519	526
N10K5P50(1)_1	0.00	0.00	8.00	5.00	4	4
N10K5P50(1)_2	0.00	0.00	8.00	5.00	4	4
N10K5P50(1)_3	0.00	0.00	7.00	5.00	4	4
N10K5P50(1)_4	0.00	0.00	7.00	5.00	4	4
N10K5P50(1)_5	0.00	0.00	9.00	5.00	4	4
N10K5P50(1)_6	0.00	0.00	7.00	5.00	4	4
N10K5P50(1)_7	0.00	0.00	7.00	5.00	4	4
N10K5P50(1)_8	0.00	0.00	8.00	5.00	4	4
N10K5P50(1)_9	0.00	0.00	9.00	5.00	4	4
N10K5P50(1)_10	0.00	0.00	7.00	5.00	4	4
N10K5P50(2)_1	0.00	0.00	7.00	5.00	4	4
N10K5P50(2)_2	0.00	0.00	5.00	5.00	4	4
N10K5P50(2)_3	0.00	0.00	6.00	5.00	4	5
N10K5P50(2)_4	0.00	0.00	6.00	5.00	4	4
N10K5P50(2)_5	0.00	0.00	6.00	5.00	4	4
N10K5P50(2)_6	0.00	0.00	7.00	5.00	4	4
N10K5P50(2)_7	0.00	0.00	6.00	5.00	4	4
N10K5P50(2)_8	0.00	0.00	7.00	5.00	4	4
N10K5P50(2)_9	0.00	0.00	6.00	5.00	4	4
N10K5P50(2)_10	0.00	0.00	6.00	5.00	4	5
N10K5P50(3)_1	0.00	0.00	8.00	7.00	4	4
N10K5P50(3)_2	0.00	0.00	9.00	7.00	4	4
N10K5P50(3)_3	0.00	0.00	8.00	7.00	4	4
N10K5P50(3)_4	0.00	0.00	7.00	7.00	4	4
N10K5P50(3)_5	0.00	0.00	10.00	7.00	4	4
N10K5P50(3)_6	0.00	0.00	9.00	7.00	4	4
N10K5P50(3)_7 N10K5P50(3)_8	0.00	0.00	9.00	7.00	4	4
N10K5P50(3)_8 N10K5P50(3)_9	0.00	0.00	9.00	7.00	4	$\frac{4}{4}$
N10K5P50(3)_9	0.00	0.00	9.00	7.00	4	4
N10K5P50(4)_1	0.00	0.00	8.00	8.00	432	453
N10K5P50(4)_2	0.28	0.28	7.00	7.00	431	453
N10K5P50(4)_3	0.28	0.28	7.00	7.00	433	468
N10K5P50(4)_4	0.28	0.28	6.00	6.00	429	458
N10K5P50(4)_5	0.28	0.28	7.00	6.00	441	456
N10K5P50(4)_6	0.28	0.28	7.00	6.00	434	448
N10K5P50(4)_7	0.28	0.28	6.00	7.00	430	457
N10K5P50(4)_8	0.28	0.28	6.00	7.00	432	451
N10K5P50(4)_9	0.28	0.28	6.00	7.00	445	451
N10K5P50(4)_10	0.28	0.28	7.00	7.00	443	451
N10K5P50(5)_1	0.00	0.00	7.00	7.00	4	4
N10K5P50(5)_2	0.00	0.00	7.00	6.00	4	4
N10K5P50(5)_3	0.00	0.00	8.00	7.00	4	4
N10K5P50(5)_4	0.00	0.00	7.00	7.00	4	5
N10K5P50(5)_5	0.00	0.00	7.00	6.00	5	4
N10K5P50(5)_6	0.00	0.00	7.00	7.00	4	4
N10K5P50(5)_7	0.00	0.00	8.00	7.00	4	5
N10K5P50(5)_8	0.00	0.00	6.00	5.00	4	4
N10K5P50(5)_9	0.00	0.00	6.00	7.00	4	4
N10K5P50(5)_10	0.00	0.00	7.00	6.00	4	4
N10K5P50(6)_1	0.00	0.00	6.00	7.00	4	4
N10K5P50(6)_2	0.00	0.00	8.00	7.00	3	4
N10K5P50(6)_3	0.00	0.00	9.00	7.00	4	4
N10K5P50(6)_4	0.00	0.00	7.00	7.00	4	4
N10K5P50(6)_5	0.00	0.00	8.00	7.00	4	4

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K5P50(6)_6	0.00	0.00	9.00	7.00	4	4
N10K5P50(6)_7	0.00	0.00	7.00	7.00	4	4
N10K5P50(6)_8	0.00	0.00	9.00	7.00	4	4
N10K5P50(6)_9	0.00	0.00	9.00	7.00	4	4
N10K5P50(6)_10	0.00	0.00	8.00	7.00	4	4
N10K5P50(7)_1	0.18	0.18	8.00	8.00	563	563
N10K5P50(7)_2	0.18	0.18	8.00	9.00	556	575
N10K5P50(7)_3	0.18	0.18	8.00	9.00	561	571
N10K5P50(7)_4	0.18	0.18	9.00	8.00	622	595
N10K5P50(7)_5	0.18	0.18	8.00	9.00	559	582
N10K5P50(7)_6	0.18	0.18	8.00	9.00	550	575
N10K5P50(7)_7	0.18	0.18	8.00	9.00	576	571
N10K5P50(7)_8	0.18	0.18	9.00	8.00	592	564
N10K5P50(7)_9	0.18	0.18	9.00	9.00	585	587
N10K5P50(7)_10	0.18	0.18	9.00	9.00	593	588
N10K5P50(8)_1	0.04	0.04	8.00	8.00	510	535
N10K5P50(8)_2	0.04	0.04	8.00	8.00	516	526
N10K5P50(8)_3	0.04	0.04	8.00	8.00	498	541
N10K5P50(8)_4	0.04	0.04	8.00	8.00	500	546
N10K5P50(8)_5	0.04	0.04	8.00	8.00	513	544
N10K5P50(8)_6	0.04	0.04	8.00	8.00	525	550
N10K5P50(8)_7	0.04	0.04	9.00	8.00	533	562
N10K5P50(8)_8	0.04	0.04	8.00	8.00	519	529
N10K5P50(8)_9	0.04	0.04	8.00	8.00	491	545
N10K5P50(8)_10	0.04	0.04	8.00	9.00	518	537
N10K5P50(9)_1	0.00	0.00	8.00	8.00	4	4
N10K5P50(9)_2	0.00	0.00	7.00	7.00	4	4
N10K5P50(9)_3	0.00	0.00	8.00	8.00	4	5
N10K5P50(9)_4	0.00	0.00	7.00	7.00	4	4
N10K5P50(9)_5	0.00	0.00	7.00	8.00	3	4
N10K5P50(9)_6	0.00	0.00	7.00	7.00	4	4
N10K5P50(9)_7	0.00	0.00	8.00	6.00	4	5
N10K5P50(9)_8	0.00	0.00	7.00	7.00	4	4
N10K5P50(9)_9	0.00	0.00	7.00	8.00	4	4
N10K5P50(9) ₋ 10	0.00	0.00	7.00	8.00	4	4
N10K5P50(10)_1	0.19	0.19	8.00	9.00	652	646
N10K5P50(10)_2	0.19	0.19	8.00	9.00	641	700
N10K5P50(10)_3	0.19	0.19	9.00	8.00	643	673
N10K5P50(10)_4	0.19	0.19	8.00	9.00	604	612
N10K5P50(10)_5	0.19	0.19	9.00	8.00	563	621
N10K5P50(10)_6	0.19	0.19	9.00	9.00	681	597
N10K5P50(10)_7	0.19	0.19	8.00	8.00	617	598
N10K5P50(10)_8	0.19	0.19	9.00	9.00	584	652
N10K5P50(10)_9	0.19	0.19	8.00	9.00	609	608
N10K5P50(10)_10	0.19	0.19	9.00	8.00	616	612
N10K5P60(1)_1	0.00	0.00	10.00	7.00	12	4
N10K5P60(1)_2	0.00	0.00	10.00	7.00	6	4
N10K5P60(1)_3	0.00	0.00	10.00	7.00	6	4
N10K5P60(1)_4	0.00	0.00	10.00	7.00	4	4
N10K5P60(1)_5	0.00	0.00	10.00	7.00	4	4
N10K5P60(1)_6	0.00	0.00	9.00	7.00	7	4
N10K5P60(1)_7	0.00	0.00	10.00	7.00	7	4
N10K5P60(1)_8	0.00	0.00	10.00	7.00	13	4
N10K5P60(1)_9	0.00	0.00	10.00	7.00	7	4
N10K5P60(1)_10	0.00	0.00	9.00	7.00	17	4
N10K5P60(2)_1	0.00	0.00	9.00	10.00	4	4
N10K5P60(2)_2	0.00	0.00	9.00	7.00	4	4

	Total lo	ss value	Number	of active MDs	Time (ms)	
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K5P60(2)_3	0.00	0.00	8.00	9.00	4	5
N10K5P60(2)_4	0.00	0.00	9.00	8.00	4	4
N10K5P60(2)_5	0.00	0.00	9.00	9.00	5	4
N10K5P60(2)_6	0.00	0.00	9.00	10.00	4	5
N10K5P60(2)_7	0.00	0.00	9.00	8.00	4	4
N10K5P60(2)_8	0.00	0.00	9.00	8.00	4	4
N10K5P60(2)_9	0.00	0.00	9.00	9.00	4	4
N10K5P60(2)_10	0.00	0.00	9.00	8.00	4	5
N10K5P60(3)_1	0.00	0.00	10.00	9.00	66	42
N10K5P60(3)_2	0.00	0.00	10.00	9.00	$\frac{33}{71}$	87
N10K5P60(3)_3	0.00	0.00	10.00	10.00	90	41
N10K5P60(3)_4	0.00	0.00	9.00	9.00	57	61
N10K5P60(3)_5	0.00	0.00	9.00	10.00	75	77
N10K5P60(3)_6	0.00	0.00	9.00	9.00	122	103
N10K5P60(3)_7	0.00	0.00	9.00	10.00	61	44
N10K5P60(3)_8	0.00	0.00	10.00	10.00	57	59
N10K5P60(3)_9	0.00	0.00	10.00	9.00	199	205
N10K5P60(3)_9	0.00	0.00	10.00	9.00	60	$\frac{205}{156}$
N10K5P60(4)_1	0.00	0.51	6.00	6.00	427	455
N10K5P60(4)_1	0.51	0.51	6.00	4.00	431	460
N10K5P60(4)_2 N10K5P60(4)_3	0.51	$\frac{0.51}{0.51}$	8.00	5.00	431	451
N10K5P60(4)_4	0.51	0.51	6.00	6.00	428	449
N10K5P60(4)_5	0.51	0.51	8.00	7.00	432	467
N10K5P60(4)_6	0.51	0.51	7.00	6.00	447	455
N10K5P60(4)_7	0.51	0.51	7.00	5.00	453	449
N10K5P60(4)_/ N10K5P60(4)_8	0.51	$\frac{0.51}{0.51}$	6.00	7.00	417	449
N10K5P60(4)_9	0.51	0.51	7.00	7.00	423	443
N10K5P60(4)_9	0.51	0.51	7.00	7.00	423	
	0.00	0.00			428	444
N10K5P60(5)_1			10.00	8.00		
N10K5P60(5)_2	0.00	0.00	10.00	8.00	4 7	4
N10K5P60(5)_3 N10K5P60(5)_4	0.00	0.00	9.00	8.00	4	4
N10K5P60(5)_4 N10K5P60(5)_5	0.00	0.00	10.00	8.00		4
. ,	0.00	0.00	8.00	8.00	4	4
N10K5P60(5)_6	0.00	0.00	9.00	8.00	4	4
N10K5P60(5)_7	0.00	0.00	10.00	8.00	7	4
N10K5P60(5)_8	0.00	0.00	10.00	8.00	4	4
N10K5P60(5)_9	0.00	0.00	9.00	8.00	10	4
N10K5P60(5)_10	0.00	0.00	10.00	8.00	4	5
N10K5P60(6)_1	0.00	0.00	10.00	10.00	20	128
N10K5P60(6)_2	0.00	0.00	10.00	9.00	45	401
N10K5P60(6)_3	0.02	0.00	10.00	10.00	720	51
N10K5P60(6)_4	0.00	0.00	10.00	10.00	172	89
N10K5P60(6)_5	0.00	0.00	10.00	10.00	20	58
N10K5P60(6)_6	0.00	0.00	10.00	10.00	36	82
N10K5P60(6)_7	0.00	0.00	9.00	9.00	41	186
N10K5P60(6)_8	0.00	0.00	9.00	10.00	88	38
N10K5P60(6)_9	0.00	0.00	9.00	10.00	36	56
N10K5P60(6)_10	0.00	0.00	10.00	10.00	31	71
N10K5P60(7)_1	0.52	0.52	8.00	8.00	598	591
N10K5P60(7)_2	0.52	0.52	8.00	8.00	585	601
N10K5P60(7)_3	0.52	0.52	8.00	8.00	575	593
N10K5P60(7)_4	0.52	0.52	8.00	9.00	529	597
N10K5P60(7)_5	0.52	0.52	8.00	8.00	621	614
N10K5P60(7)_6	0.52	0.52	9.00	8.00	557	556
N10K5P60(7)_7	0.52	0.52	8.00	8.00	625	596
N10K5P60(7)_8	0.52	0.52	8.00	9.00	573	591
N10K5P60(7)_9	0.52	0.52	9.00	8.00	586	640

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K5P60(7)_10	0.52	0.52	9.00	9.00	623	592
N10K5P60(8)_1	0.23	0.23	8.00	8.00	520	561
N10K5P60(8)_2	0.23	0.23	8.00	8.00	514	565
N10K5P60(8)_3	0.23	0.23	8.00	8.00	522	514
N10K5P60(8)_4	0.23	0.23	8.00	8.00	482	531
N10K5P60(8)_5	0.23	0.23	8.00	8.00	537	560
N10K5P60(8)_6	0.23	0.23	8.00	8.00	519	540
N10K5P60(8)_7	0.23	0.23	9.00	8.00	509	500
N10K5P60(8)_8	0.23	0.23	8.00	9.00	487	587
N10K5P60(8)_9	0.23	0.23	8.00	8.00	512	551
N10K5P60(8)_10	0.23	0.23	8.00	9.00	514	566
N10K5P60(9)_1	0.00	0.00	10.00	9.00	9	10
N10K5P60(9)_2	0.00	0.00	10.00	10.00	29	16
N10K5P60(9)_3	0.00	0.00	10.00	10.00	9	13
N10K5P60(9)_4	0.00	0.00	10.00	10.00	4	4
N10K5P60(9)_5	0.00	0.00	10.00	10.00	7	16
N10K5P60(9)_6	0.00	0.00	9.00	10.00	9	32
N10K5P60(9)_7	0.00	0.00	10.00	10.00	4	16
N10K5P60(9)_8	0.00	0.00	10.00	9.00	24	28
N10K5P60(9)_9	0.00	0.00	10.00	9.00	7	28
N10K5P60(9)_10	0.00	0.00	10.00	10.00	4	13
N10K5P60(10)_1	0.61	0.61	8.00	8.00	551	637
N10K5P60(10)_2	0.61	0.61	9.00	9.00	585	671
N10K5P60(10)_3	0.61	0.61	8.00	9.00	613	676
N10K5P60(10)_4	0.61	0.61	8.00	10.00	572	668
N10K5P60(10)_5	0.61	0.61	9.00	8.00	591	625
N10K5P60(10)_6	0.61	0.61	9.00	8.00	574	587
N10K5P60(10)_7 N10K5P60(10)_8	0.61	$\frac{0.61}{0.61}$	8.00	9.00	604 597	$\frac{710}{642}$
N10K5P60(10)_8	0.61	0.61	8.00	9.00	574	616
N10K5P60(10)_9	0.61	0.61	8.00	9.00	690	646
N10K5P70(1)_1	0.01	0.01	8.00	9.00	633	608
N10K5P70(1)_2	0.04	0.04	8.00	7.00	574	555
N10K5P70(1)_3	0.04	0.04	9.00	8.00	554	$\frac{722}{722}$
N10K5P70(1)_4	0.04	0.04	9.00	8.00	637	666
N10K5P70(1)_5	0.04	0.04	9.00	8.00	541	575
N10K5P70(1)_6	0.04	0.04	9.00	9.00	596	666
N10K5P70(1)_7	0.04	0.04	8.00	8.00	589	692
N10K5P70(1)_8	0.04	0.04	8.00	8.00	545	621
N10K5P70(1)_9	0.04	0.04	9.00	8.00	548	726
N10K5P70(1)_10	0.04	0.04	9.00	8.00	581	850
N10K5P70(2)_1	0.00	0.00	10.00	10.00	13	4
N10K5P70(2)_2	0.00	0.00	9.00	10.00	6	4
N10K5P70(2)_3	0.00	0.00	10.00	10.00	4	4
N10K5P70(2)_4	0.00	0.00	10.00	10.00	4	5
N10K5P70(2)_5	0.00	0.00	10.00	9.00	4	10
N10K5P70(2)_6	0.00	0.00	9.00	10.00	6	7
N10K5P70(2)_7	0.00	0.00	10.00	10.00	3	10
N10K5P70(2)_8	0.00	0.00	10.00	10.00	4	13
N10K5P70(2)_9	0.00	0.00	10.00	10.00	12	5
N10K5P70(2)_10	0.00	0.00	10.00	10.00	10	5
N10K5P70(3)_1	0.30	0.30	9.00	9.00	631	741
N10K5P70(3)_2	0.30	0.30	10.00	9.00	661	740
N10K5P70(3)_3	0.30	0.30	10.00	9.00	614	642
N10K5P70(3)_4	0.30	0.30	9.00	10.00	633	694
N10K5P70(3)_5	0.30	0.30	10.00	10.00	664	717
N10K5P70(3)_6	0.30	0.30	9.00	9.00	923	643

To		ss value	Number	of active MDs	Time (ms)		
Instance_#Run	GA	GGA	GA	GGA	GA	GGA	
N10K5P70(3)_7	0.30	0.30	9.00	9.00	617	602	
N10K5P70(3)_8	0.30	0.30	9.00	10.00	667	666	
N10K5P70(3)_9	0.30	0.30	10.00	10.00	713	641	
N10K5P70(3)_10	0.30	0.30	9.00	10.00	648	663	
N10K5P70(4)_1	0.71	0.71	7.00	7.00	455	444	
N10K5P70(4)_2	0.71	0.71	7.00	6.00	428	440	
N10K5P70(4)_3	0.71	0.71	6.00	6.00	424	464	
N10K5P70(4)_4	0.71	0.71	7.00	4.00	425	470	
N10K5P70(4)_5	0.71	0.71	8.00	6.00	418	457	
. ,	0.71	0.71	8.00	6.00	429		
N10K5P70(4)_6						441	
N10K5P70(4)_7	0.71	0.71	7.00	6.00	424	465	
N10K5P70(4)_8	0.71	0.71	6.00	8.00	423	451	
N10K5P70(4)_9	0.71	0.71	7.00	7.00	422	463	
N10K5P70(4)_10	0.71	0.71	6.00	6.00	432	445	
N10K5P70(5)_1	0.00	0.00	10.00	8.00	41	156	
N10K5P70(5)_2	0.00	0.00	10.00	10.00	10	20	
N10K5P70(5)_3	0.00	0.00	10.00	9.00	50	31	
N10K5P70(5)_4	0.00	0.00	10.00	10.00	15	16	
N10K5P70(5)_5	0.00	0.00	10.00	10.00	21	32	
N10K5P70(5)_6	0.00	0.00	10.00	10.00	44	34	
N10K5P70(5)_7	0.00	0.00	10.00	9.00	32	338	
N10K5P70(5)_8	0.00	0.00	10.00	10.00	49	16	
N10K5P70(5)_9	0.00	0.00	10.00	10.00	30	192	
N10K5P70(5)_10	0.00	0.00	9.00	10.00	30	31	
N10K5P70(6)_1	0.15	0.15	9.00	9.00	602	598	
N10K5P70(6)_2	0.15	0.15	9.00	9.00	602	626	
N10K5P70(6)_3	0.15	0.15	9.00	10.00	557	649	
N10K5P70(6)_4	0.15	0.15	9.00	9.00	694	597	
N10K5P70(6)_5	0.15	0.15	9.00	9.00	604	591	
N10K5P70(6)_6	0.16	0.15	10.00	9.00	607	618	
N10K5P70(6)_7	0.15	0.15	9.00	9.00	619	626	
N10K5P70(6)_8	0.15	0.15	9.00	9.00	578	676	
N10K5P70(6)_9	0.15	0.15	9.00	9.00	552	597	
N10K5P70(6)_10	0.15	0.15	9.00	9.00	591	660	
N10K5P70(7)_1	0.87	0.87	9.00	9.00	606	601	
N10K5P70(7)_2	0.87	0.87	8.00	8.00	549	560	
N10K5P70(7)_3	0.87	0.87	8.00	8.00	566	555	
N10K5P70(7)_4	0.87	0.87	9.00	8.00	565	561	
N10K5P70(7)_5	0.87	0.87	8.00	8.00	575	556	
N10K5P70(7)_6	0.87	0.87	8.00	8.00	590	566	
N10K5P70(7)_7	0.87	0.87	8.00	9.00	569	552	
N10K5P70(7)_8	0.87	0.87	8.00	8.00	550	562	
N10K5P70(7)_9	0.87	0.87	8.00	8.00	581	559	
N10K5P70(7)_10	0.87	0.87	8.00	9.00	572	552	
N10K5P70(8)_1	0.53	0.53	8.00	8.00	533	546	
N10K5P70(8)_2	0.53	0.53	9.00	9.00	525	568	
N10K5P70(8)_3	0.53	0.53	8.00	8.00	579	603	
N10K5P70(8)_4	0.53	0.53	9.00	8.00	517	528	
N10K5P70(8)_5	0.53	0.53	8.00	9.00	505	500	
N10K5P70(8)_6	0.53	0.53	8.00	8.00	494	596	
N10K5P70(8)_7	0.53	$\frac{0.53}{0.53}$	8.00	8.00	569	514	
N10K5P70(8)_8	0.53	0.54	8.00	8.00	502	489	
N10K5P70(8)_9	0.53	0.54	8.00	9.00	498	523	
N10K5P70(8)_10	0.53	0.53	8.00	8.00	535	537	
N10K5P70(8)_10	0.09	0.09	9.00	9.00	$\frac{555}{629}$	725	
N10K5P70(9)_1 N10K5P70(9)_2	0.09	0.09	9.00	9.00	$\frac{629}{625}$	698	
N10K5P70(9)_2 N10K5P70(9)_3				9.00	$\frac{625}{639}$		
1 1 1 UKSF / U(9)_3	0.09	0.09	9.00	9.00	059	746	

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K5P70(9)_4	0.09	0.09	10.00	10.00	726	753
N10K5P70(9)_5	0.09	0.09	10.00	9.00	654	722
N10K5P70(9)_6	0.09	0.09	9.00	9.00	698	615
N10K5P70(9)_7	0.09	0.09	9.00	9.00	698	805
N10K5P70(9)_8	0.09	0.09	9.00	9.00	743	715
N10K5P70(9)_9	0.09	0.09	10.00	10.00	662	819
N10K5P70(9)_10	0.09	0.09	10.00	9.00	746	783
N10K5P70(10)_1	1.11	1.11	9.00	8.00	702	606
N10K5P70(10)_2	1.11	1.11	9.00	10.00	583	665
N10K5P70(10)_3	1.11	1.11	9.00	8.00	557	703
N10K5P70(10)_3	1.11	1.11	9.00	8.00	614	657
N10K5P70(10)_5	1.11	1.11	8.00	8.00	654	636
N10K5P70(10)_5 N10K5P70(10)_6	1.11	1.11	8.00	9.00	590	661
					634	
N10K5P70(10)_7	1.11	1.11	10.00	9.00		590
N10K5P70(10)_8	1.11	1.11	10.00	9.00	654	658
N10K5P70(10)_9	1.11	1.11	9.00	9.00	579	616
N10K5P70(10)_10	1.11	1.11	8.00	8.00	659	625
N10K5P80(1)_1	0.14	0.14	8.00	8.00	566	610
N10K5P80(1)_2	0.14	0.14	8.00	8.00	585	619
N10K5P80(1)_3	0.14	0.14	8.00	10.00	618	653
N10K5P80(1)_4	0.14	0.14	8.00	9.00	567	683
N10K5P80(1)_5	0.14	0.14	8.00	8.00	589	633
N10K5P80(1)_6	0.14	0.14	8.00	8.00	573	717
N10K5P80(1)_7	0.14	0.14	8.00	8.00	531	711
N10K5P80(1)_8	0.14	0.16	8.00	7.00	569	569
N10K5P80(1)_9	0.14	0.14	8.00	8.00	559	609
N10K5P80(1) ₋ 10	0.14	0.14	8.00	8.00	583	611
N10K5P80(2)_1	0.00	0.00	10.00	9.00	34	10
N10K5P80(2)_2	0.00	0.00	10.00	10.00	10	22
N10K5P80(2)_3	0.00	0.00	10.00	10.00	18	5
N10K5P80(2)_4	0.00	0.00	10.00	9.00	18	36
N10K5P80(2)_5	0.00	0.00	9.00	10.00	29	25
N10K5P80(2)_6	0.00	0.00	9.00	9.00	21	28
N10K5P80(2)_7	0.00	0.00	10.00	10.00	43	34
N10K5P80(2)_8	0.00	0.00	10.00	10.00	4	31
N10K5P80(2)_9	0.00	0.00	10.00	8.00	27	45
N10K5P80(2)_10	0.00	0.00	10.00	9.00	12	24
N10K5P80(3)_1	0.68	0.66	9.00	10.00	806	1009
N10K5P80(3)_2	0.66	0.66	10.00	10.00	948	710
N10K5P80(3)_3	0.66	0.66	10.00	9.00	1304	1020
N10K5P80(3)_4	0.66	0.66	10.00	10.00	1428	668
N10K5P80(3)_5	0.66	0.66	9.00	9.00	649	643
N10K5P80(3)_6	0.66	0.66	9.00	10.00	1053	657
N10K5P80(3)_7	0.66	0.66	9.00	10.00	629	604
N10K5P80(3)_8	0.66	0.66	10.00	10.00	607	595
N10K5P80(3)_9	0.66	0.66	9.00	9.00	800	1019
N10K5P80(3)_10	0.68	0.66	10.00	10.00	987	637
N10K5P80(4)_1	0.91	0.91	7.00	7.00	424	447
N10K5P80(4)_2	0.91	0.91	7.00	4.00	435	462
N10K5P80(4)_3	0.91	0.91	7.00	7.00	433	446
N10K5P80(4)_4	0.91	0.91	8.00	6.00	415	455
N10K5P80(4)_5	0.91	0.91	8.00	7.00	434	441
N10K5P80(4)_6	0.91	0.91	6.00	7.00	428	441
N10K5P80(4)_7	0.91	0.91	8.00	6.00	423	445
N10K5P80(4)_8	0.91	0.91	6.00	7.00	432	451
N10K5P80(4)_9	0.91	0.91	6.00	7.00	430	445
N10K5P80(4)_10	0.91	0.91	6.00	5.00	423	447
	1 3.01	J.U.I	1 2.00	3.00		

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K5P80(5)_1	0.06	0.06	10.00	8.00	645	616
N10K5P80(5)_2	0.06	0.06	9.00	8.00	603	730
N10K5P80(5)_3	0.06	0.06	8.00	9.00	588	617
N10K5P80(5)_4	0.06	0.06	10.00	10.00	1001	781
N10K5P80(5)_5	0.06	0.06	8.00	10.00	614	624
N10K5P80(5)_6	0.06	0.06	8.00	10.00	570	762
N10K5P80(5)_7	0.06	0.06	9.00	8.00	601	679
N10K5P80(5)_7 N10K5P80(5)_8	0.06	0.06	10.00	9.00	647	1487
. ,		0.06	9.00		600	772
N10K5P80(5)_9	0.06			8.00	571	635
N10K5P80(5)_10	0.06	0.06	8.00	9.00		
N10K5P80(6)_1	0.33	0.33	9.00	10.00	590	615
N10K5P80(6)_2	0.33	0.33	9.00	9.00	593	642
N10K5P80(6)_3	0.33	0.33	9.00	10.00	576	625
N10K5P80(6)_4	0.33	0.33	9.00	9.00	618	660
N10K5P80(6)_5	0.33	0.33	9.00	9.00	607	622
N10K5P80(6)_6	0.33	0.33	9.00	9.00	616	586
N10K5P80(6)_7	0.33	0.33	9.00	9.00	611	659
N10K5P80(6)_8	0.33	0.33	10.00	9.00	581	637
N10K5P80(6)_9	0.33	0.33	9.00	9.00	555	651
N10K5P80(6)_10	0.33	0.33	9.00	9.00	601	618
N10K5P80(7)_1	1.27	1.27	8.00	8.00	564	569
N10K5P80(7)_2	1.27	1.27	9.00	8.00	537	561
N10K5P80(7)_3	1.27	1.27	8.00	8.00	567	574
N10K5P80(7)_4	1.27	1.27	8.00	8.00	576	596
N10K5P80(7)_5	1.27	1.27	8.00	8.00	556	554
N10K5P80(7)_6	1.27	1.27	8.00	9.00	574	558
N10K5P80(7)_7	1.27	1.27	8.00	9.00	579	563
N10K5P80(7)_8	1.27	1.27	8.00	8.00	563	559
N10K5P80(7)_9	1.27	1.27	8.00	8.00	570	594
N10K5P80(7)_10	1.27	1.27	8.00	8.00	561	585
N10K5P80(8)_1	0.74	0.74	8.00	7.00	461	484
N10K5P80(8)_2	0.74	0.74	8.00	9.00	488	489
N10K5P80(8)_3	0.74	0.74	7.00	8.00	454	498
N10K5P80(8)_4	0.74	0.74	9.00	8.00	474	497
N10K5P80(8)_5	0.74	0.74	8.00	8.00	481	521
N10K5P80(8)_6	0.74	0.74	8.00	8.00	462	513
N10K5P80(8)_7	0.74	0.74	8.00	8.00	454	498
N10K5P80(8)_8	0.74	0.74	8.00	7.00	476	515
N10K5P80(8)_9	0.74	0.74	8.00	7.00	470	487
N10K5P80(8)_10	0.74	0.74	7.00	9.00	465	497
N10K5P80(9)_1	0.74	0.41	10.00	10.00	691	667
N10K5P80(9)_2	0.41	0.41	10.00	9.00	682	630
N10K5P80(9)_3	0.41	0.41	10.00	10.00	635	684
N10K5P80(9)_4	0.41	0.41	9.00	10.00	883	667
N10K5P80(9)_4 N10K5P80(9)_5	0.41	$\frac{0.41}{0.41}$	9.00	9.00	662	674
N10K5P80(9)_5 N10K5P80(9)_6	0.41	0.41	9.00	9.00	648	693
N10K5P80(9)_0 N10K5P80(9)_7		0.41	9.00	9.00	665	
. ,	0.41					711
N10K5P80(9)_8	0.41	0.41	10.00	9.00	664	1116
N10K5P80(9)_9	0.41	0.41	9.00	9.00	632	1116
N10K5P80(9)_10	0.41	0.41	9.00	9.00	638	647
N10K5P80(10)_1	1.52	1.52	8.00	8.00	581	628
N10K5P80(10)_2	1.52	1.52	8.00	8.00	593	608
N10K5P80(10)_3	1.52	1.52	8.00	9.00	600	640
N10K5P80(10)_4	1.52	1.52	9.00	9.00	584	636
N10K5P80(10)_5	1.52	1.52	9.00	9.00	557	622
N10K5P80(10)_6	1.52	1.52	8.00	8.00	580	603
N10K5P80(10)_7	1.52	1.52	8.00	8.00	556	619

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K5P80(10)_8	1.52	1.52	9.00	8.00	619	610
N10K5P80(10)_9	1.52	1.52	8.00	8.00	598	619
N10K5P80(10)_10	1.52	1.52	8.00	9.00	546	639
N10K7P50(1)_1	0.00	0.00	9.00	7.00	4	5
N10K7P50(1)_2	0.00	0.00	10.00	7.00	7	4
N10K7P50(1)_3	0.00	0.00	10.00	7.00	8	5
N10K7F50(1)_4	0.00	0.00	10.00	7.00	4	4
N10K7P50(1)_4 N10K7P50(1)_5	0.00	0.00	9.00	7.00	$\frac{4}{7}$	4
N10K7P50(1)_6		0.00	9.00	7.00	16	4
. ,	0.00					
N10K7P50(1)_7	0.00	0.00	9.00	7.00	4	4
N10K7P50(1)_8	0.00	0.00	10.00	7.00	5	4
N10K7P50(1)_9	0.00	0.00	9.00	7.00	16	5
N10K7P50(1)_10	0.00	0.00	10.00	7.00	4	4
N10K7P50(2)_1	0.00	0.00	10.00	9.00	4	4
N10K7P50(2)_2	0.00	0.00	10.00	8.00	4	5
N10K7P50(2)_3	0.00	0.00	10.00	10.00	5	5
N10K7P50(2)_4	0.00	0.00	9.00	10.00	4	4
N10K7P50(2)_5	0.00	0.00	10.00	10.00	4	5
N10K7P50(2)_6	0.00	0.00	9.00	9.00	5	11
N10K7P50(2)_7	0.00	0.00	10.00	10.00	10	5
N10K7P50(2)_8	0.00	0.00	10.00	9.00	5	11
N10K7P50(2)_9	0.00	0.00	8.00	8.00	7	5
N10K7P50(2)_10	0.00	0.00	9.00	10.00	4	8
N10K7P50(3)_1	0.00	0.00	9.00	10.00	22	34
N10K7P50(3)_2	0.00	0.00	10.00	10.00	5	31
N10K7P50(3)_3	0.00	0.00	10.00	10.00	12	25
N10K7P50(3)_4	0.00	0.00	9.00	10.00	30	39
N10K7P50(3)_5	0.00	0.00	10.00	10.00	24	10
N10K7P50(3)_6	0.00	0.00	10.00	10.00	30	8
N10K7P50(3)_7	0.00	0.00	10.00	10.00	36	23
N10K7P50(3)_8	0.00	0.00	10.00	10.00	28	19
N10K7P50(3)_9	0.00	0.00	10.00	10.00	31	22
N10K7P50(3)_10	0.00	0.00	9.00	10.00	10	36
N10K7P50(4)_1	1.22	1.22	7.00	7.00	465	504
N10K7P50(4)_2	1.22	1.22	7.00	7.00	462	483
N10K7P50(4)_3	1.22	1.22	7.00	8.00	450	500
N10K7P50(4)_4	1.22	1.22	7.00	7.00	458	483
N10K7P50(4)_5	1.22	1.22	7.00	7.00	458	490
N10K7P50(4)_6	1.22	1.22	8.00	7.00	463	485
N10K7P50(4)_7	1.22	1.22	7.00	7.00	456	497
N10K7P50(4)_8	1.22	1.22	7.00	7.00	453	479
N10K7P50(4)_9	1.22	1.22	7.00	7.00	462	488
N10K7P50(4)_10	1.22	1.22	7.00	7.00	466	493
N10K7P50(5)_1	0.00	0.00	10.00	7.00	4	5
N10K7P50(5)_2	0.00	0.00	9.00	8.00	4	5
N10K7P50(5)_3	0.00	0.00	9.00	9.00	4	4
N10K7P50(5)_4	0.00	0.00	10.00	9.00	4	4
N10K7P50(5)_5	0.00	0.00	8.00	8.00	4	5
N10K7P50(5)_6	0.00	0.00	9.00	8.00	5	5
N10K7P50(5)_7	0.00	0.00	8.00	9.00	$\frac{3}{4}$	$\frac{5}{5}$
N10K7F50(5)_8	0.00	0.00	8.00	9.00	4	6
N10K7F50(5)_6 N10K7P50(5)_9	0.00	0.00	10.00	9.00	5	6
N10K7P50(5)_9 N10K7P50(5)_10	0.00	0.00	9.00	9.00	4	7
N10K7P50(5)_10	0.00	0.00	9.00	10.00	696	654
N10K7P50(6)_1 N10K7P50(6)_2	0.04	0.04	9.00	9.00	796	731
N10K7P50(6)_2 N10K7P50(6)_3				9.00	636	822
. ,	0.04	0.04	9.00	9.00		
N10K7P50(6)_4	0.04	0.04	9.00	9.00	642	713

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K7P50(6)_5	0.04	0.04	9.00	9.00	642	767
N10K7P50(6)_6	0.04	0.04	10.00	9.00	633	775
N10K7P50(6)_7	0.04	0.04	9.00	9.00	631	673
N10K7P50(6)_8	0.04	0.04	10.00	9.00	808	740
N10K7P50(6)_9	0.04	0.04	10.00	9.00	620	769
N10K7P50(6)_10	0.04	0.04	9.00	9.00	726	856
N10K7P50(7)_1	1.08	1.08	9.00	9.00	582	594
N10K7P50(7)_2	1.08	1.08	9.00	8.00	546	553
N10K7P50(7)_3	1.08	1.08	8.00	8.00	569	589
N10K7P50(7)_4	1.08	1.08	8.00	8.00	575	553
N10K7P50(7)_5	1.08	1.08	8.00	9.00	608	547
N10K7P50(7)_6	1.08	1.08	9.00	8.00	525	563
					561	613
N10K7P50(7)_7	1.08	1.08	8.00	8.00		
N10K7P50(7)_8	1.08	1.08		8.00	575	553
N10K7P50(7)_9	1.08	1.08	8.00	9.00	629	567
N10K7P50(7)_10	1.08	1.08	8.00	9.00	551	565
N10K7P50(8)_1	0.85	0.85	9.00	9.00	537	663
N10K7P50(8)_2	0.85	0.85	9.00	10.00	552	622
N10K7P50(8)_3	0.85	0.85	9.00	9.00	563	645
N10K7P50(8)_4	0.85	0.85	9.00	9.00	547	577
N10K7P50(8)_5	0.85	0.85	9.00	9.00	566	575
N10K7P50(8)_6	0.85	0.85	9.00	9.00	574	615
N10K7P50(8)_7	0.85	0.85	9.00	9.00	580	551
N10K7P50(8)_8	0.85	0.85	9.00	10.00	521	1051
N10K7P50(8)_9	0.85	0.85	9.00	9.00	573	664
N10K7P50(8)_10	0.85	0.85	9.00	9.00	570	587
N10K7P50(9)_1	0.00	0.00	10.00	10.00	42	29
N10K7P50(9)_2	0.00	0.00	9.00	10.00	70	106
N10K7P50(9)_3	0.00	0.00	10.00	10.00	62	16
N10K7P50(9)_4	0.00	0.00	10.00	9.00	34	102
N10K7P50(9)_5	0.00	0.00	9.00	9.00	44	14
N10K7P50(9)_6	0.00	0.00	10.00	9.00	21	5
N10K7P50(9)_7	0.00	0.00	10.00	10.00	38	72
N10K7P50(9)_8	0.00	0.00	9.00	10.00	16	44
N10K7P50(9)_9	0.00	0.00	10.00	9.00	27	76
N10K7P50(9)_10	0.00	0.00	10.00	10.00	28	26
N10K7P50(10)_1	0.67	0.67	10.00	10.00	705	818
N10K7P50(10)_2	0.67	0.67	10.00	10.00	835	821
N10K7P50(10)_3	0.67	0.67	10.00	10.00	780	864
N10K7P50(10)_4	0.67	0.67	10.00	10.00	785	875
N10K7P50(10)_5	0.67	0.67	10.00	10.00	758	886
N10K7P50(10)_6	0.67	0.67	10.00	10.00	865	1283
N10K7P50(10)_7	0.67	0.67	10.00	10.00	728	787
N10K7P50(10)_8	0.67	0.67	10.00	10.00	809	985
N10K7P50(10)_9	0.67	0.67	10.00	10.00	870	922
N10K7P50(10)_10	0.67	0.67	10.00	10.00	918	892
N10K7P60(1)_1	0.15	0.15	8.00	8.00	627	658
N10K7P60(1)_2	0.15	0.15	8.00	8.00	607	817
N10K7P60(1)_3	0.15	0.15	8.00	8.00	664	704
N10K7P60(1)_4	0.15	0.15	9.00	8.00	650	1175
N10K7P60(1)_5	0.15	0.15	10.00	8.00	883	626
N10K7P60(1)_6	0.15	0.15	8.00	8.00	736	1000
N10K7P60(1)_7	0.15	0.15	9.00	8.00	664	810
N10K7P60(1)_8	0.16	0.15	8.00	9.00	629	683
N10K7P60(1)_9	0.15	0.15	8.00	8.00	583	765
N10K7P60(1)_10	0.15	0.15	9.00	8.00	703	905
N10K7P60(2)_1	0.00	0.00	10.00	10.00	77	27
	1		1			

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K7P60(2)_2	0.00	0.04	10.00	9.00	152	680
N10K7P60(2)_3	0.00	0.00	10.00	10.00	106	152
N10K7P60(2)_4	0.00	0.00	10.00	10.00	120	95
N10K7P60(2)_5	0.00	0.00	10.00	10.00	193	118
N10K7P60(2)_6	0.04	0.00	9.00	10.00	683	88
N10K7P60(2)_7	0.00	0.04	10.00	9.00	323	703
N10K7P60(2)_8	0.00	0.04	10.00	9.00	62	701
N10K7P60(2)_9	0.00	0.00	10.00	10.00	28	89
N10K7P60(2)_10	0.00	0.00	10.00	10.00	154	598
N10K7P60(3)_1	0.20	0.14	10.00	9.00	663	687
N10K7P60(3)_2	0.14	0.14	9.00	9.00	681	684
N10K7P60(3)_3	0.14	0.14	9.00	9.00	656	755
N10K7P60(3)_4	0.21	0.14	8.00	9.00	614	752
N10K7P60(3)_5	0.14	0.21	9.00	8.00	624	650
N10K7P60(3)_6	0.14	0.14	10.00	9.00	804	690
N10K7P60(3)_7	0.14	0.14	9.00	9.00	711	771
N10K7P60(3)_8	0.14	0.14	10.00	9.00	668	685
N10K7P60(3)_9	0.14	0.14	9.00	10.00	715	691
N10K7P60(3)_10	0.14	0.14	9.00	9.00	654	741
N10K7P60(4)_1	1.64	1.64	7.00	6.00	469	488
N10K7P60(4)_2	1.64	1.64	7.00	7.00	457	478
N10K7P60(4)_3	1.64	1.64	7.00	7.00	461	475
N10K7P60(4)_4	1.64	1.64	7.00	7.00	459	488
N10K7P60(4)_5	1.64	1.64	8.00	7.00	449	496
N10K7P60(4)_6	1.64	1.64	7.00	7.00	454	477
N10K7P60(4)_7	1.64	1.64	7.00	7.00	463	475
N10K7P60(4)_8 N10K7P60(4)_9	1.64	1.64	8.00 8.00	7.00	$\frac{447}{463}$	479 505
N10K7P60(4)_9 N10K7P60(4)_10	1.64	1.64	8.00	7.00	$\frac{403}{455}$	490
N10K7P60(5)_1	0.02	0.02	10.00	10.00	686	726
N10K7P60(5)_2	0.02	0.02	10.00	10.00	738	652
N10K7P60(5)_3	0.01	0.01	10.00	10.00	692	700
N10K7P60(5)_4	0.01	0.01	10.00	10.00	$\frac{032}{717}$	845
N10K7P60(5)_5	0.01	0.01	10.00	10.00	852	732
N10K7P60(5)_6	0.01	0.01	10.00	10.00	688	773
N10K7P60(5)_7	0.01	0.01	10.00	10.00	739	798
N10K7P60(5)_8	0.01	0.01	10.00	10.00	730	1345
N10K7P60(5)_9	0.01	0.01	10.00	10.00	746	765
N10K7P60(5)_10	0.01	0.02	10.00	10.00	700	733
N10K7P60(6)_1	0.49	0.49	9.00	10.00	801	786
N10K7P60(6)_2	0.49	0.49	10.00	9.00	796	689
N10K7P60(6)_3	0.49	0.49	9.00	10.00	845	704
N10K7P60(6)_4	0.49	0.49	10.00	9.00	615	752
N10K7P60(6)_5	0.49	0.49	9.00	9.00	744	730
N10K7P60(6)_6	0.49	0.49	10.00	10.00	726	762
N10K7P60(6)_7	0.49	0.49	9.00	9.00	671	1080
N10K7P60(6)_8	0.49	0.49	9.00	9.00	637	858
N10K7P60(6)_9	0.49	0.49	9.00	9.00	617	703
N10K7P60(6)_10	0.49	0.49	9.00	9.00	755	643
N10K7P60(7)_1	1.61	1.61	8.00	9.00	563	592
N10K7P60(7)_2	1.61	1.61	8.00	9.00	576	673
N10K7P60(7)_3	1.61	1.61	9.00	8.00	562	586
N10K7P60(7)_4	1.61	1.61	9.00	8.00	557	620
N10K7P60(7)_5	1.61	1.61	8.00	8.00	548	552
N10K7P60(7)_6	1.61	1.61	9.00	8.00	583	578
N10K7P60(7)_7	1.61	1.61	8.00	8.00	671	591
N10K7P60(7)_8	1.61	1.61	9.00	8.00	585	567

T 4 #D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K7P60(7)_9	1.61	1.61	9.00	10.00	591	575
N10K7P60(7)_10	1.61	1.61	9.00	8.00	564	675
N10K7P60(8)_1	1.32	1.32	9.00	9.00	625	583
N10K7P60(8)_2	1.32	1.32	9.00	10.00	597	650
N10K7P60(8)_3	1.32	1.32	9.00	9.00	582	856
N10K7P60(8)_4	1.32	1.32	9.00	10.00	548	631
N10K7P60(8)_5	1.32	1.32	10.00	9.00	581	637
N10K7P60(8)_6	1.32	1.32	10.00	9.00	520	602
N10K7P60(8)_7	1.32	1.32	10.00	9.00	725	635
N10K7P60(8)_8	1.32	1.32	10.00	9.00	519	590
N10K7P60(8)_9	1.32	1.32	9.00	9.00	539	538
N10K7P60(8)_10	1.32	1.32	9.00	9.00	629	623
N10K7P60(9)_1	0.16	0.16	10.00	9.00	783	825
N10K7P60(9)_2	0.16	0.16	10.00	10.00	704	742
N10K7P60(9)_3	0.16	0.16	9.00	9.00	728	807
N10K7P60(9)_4	0.16	0.16	10.00	9.00	693	663
N10K7P60(9)_5	0.16	0.16	9.00	9.00	738	715
N10K7P60(9)_6	0.16	0.16	9.00	10.00	686	712
N10K7P60(9)_7	0.16	0.16	10.00	9.00	744	785
N10K7P60(9)_8	0.16	0.16	10.00	9.00	745	737
N10K7P60(9)_9	0.16	0.16	9.00	9.00	636	702
N10K7P60(9)_10	0.16	0.16	9.00	10.00	704	737
N10K7P60(10)_1	1.26	1.26	10.00	10.00	786	978
N10K7P60(10)_2	1.26	1.26	10.00	10.00	944	789
N10K7P60(10)_3	1.26	1.28	10.00	10.00	745	919
N10K7P60(10)_4	1.26	1.26	10.00	10.00	1191	798
N10K7P60(10)_5	1.26	1.26	10.00	10.00	831	886
N10K7P60(10)_6	1.26	1.26	10.00	10.00	742	1123
N10K7P60(10)_7	1.26	1.26	10.00	10.00	751	906
N10K7P60(10)_8	1.26	1.26	10.00	10.00	763	786
N10K7P60(10)_9	1.26	1.26	10.00	10.00	755	801
N10K7P60(10)_10	1.26	1.26	10.00	10.00	740	797
N10K7P70(1)_1	0.52	0.52	9.00	9.00	654	698
N10K7P70(1)_2	0.52	0.52	8.00	9.00	626	668
N10K7P70(1)_3	0.52	0.52	9.00	9.00	612	642
N10K7P70(1)_4	0.52	0.52	9.00	9.00	608	661
N10K7P70(1)_5	0.52	0.52	10.00	8.00	1462	648
N10K7P70(1)_6	0.52	0.52	8.00	8.00	637	650
N10K7P70(1)_7	0.52	0.52	9.00	8.00	661	735
N10K7P70(1)_8	0.52	0.52	9.00	10.00	616	699
N10K7P70(1)_9	0.52	0.52	9.00	8.00	610	668
N10K7P70(1)_10	0.52	0.52	9.00	9.00	611	675
N10K7P70(2)_1	0.13	0.13	10.00	10.00	797	899
N10K7P70(2)_2	0.14	0.19	10.00	9.00	830	799
N10K7P70(2)_3	0.14	0.13	10.00	10.00	722	866
N10K7P70(2)_4	0.13	0.13	10.00	10.00	734	805
N10K7P70(2)_5	0.13	0.13	10.00	10.00	772	877
N10K7P70(2)_6	0.13	0.13	10.00	10.00	757	929
N10K7P70(2)_7	0.19	0.13	9.00	10.00	705	733
N10K7P70(2)_8	0.13	0.13	10.00	10.00	796	800
N10K7P70(2)_9	0.13	0.13	10.00	10.00	1041	889
N10K7P70(2)_10	0.13	0.13	10.00	10.00	771	758
N10K7P70(3)_1	0.55	0.55	9.00	10.00	655	702
N10K7P70(3)_2	0.55	0.55	9.00	9.00	660	698
N10K7P70(3)_3	0.55	0.55	9.00	9.00	669	679
N10K7P70(3)_4	0.55	0.55	9.00	9.00	615	692
N10K7P70(3)_5	0.55	0.55	10.00	9.00	630	692

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K7P70(3)_6	0.55	0.55	9.00	9.00	624	711
N10K7P70(3)_7	0.55	0.55	9.00	9.00	612	702
N10K7P70(3)_8	0.55	0.55	9.00	9.00	648	798
N10K7P70(3)_9	0.55	$\frac{0.55}{0.55}$	9.00	9.00	679	$\frac{733}{713}$
N10K7P70(3)_10	0.55	$\frac{0.55}{0.55}$	10.00	9.00	667	702
N10K7P70(4)_1	2.04	2.04	7.00	7.00	461	478
N10K7P70(4)_2	2.04	2.04	7.00	7.00	455	488
N10K7P70(4)_3	2.04	2.04	7.00	7.00	463	494
N10K7P70(4)_4	2.04	2.04	7.00	7.00	451	488
N10K7P70(4)_4 N10K7P70(4)_5	2.04	$\frac{2.04}{2.04}$	7.00	7.00	453	490
N10K7P70(4)_5 N10K7P70(4)_6			7.00		442	
. ,	2.04	2.04		7.00		475
N10K7P70(4)_7	2.04	2.04	7.00	8.00	455	467
N10K7P70(4)_8	2.04	2.04	7.00	7.00	448	495
N10K7P70(4)_9	2.04	2.04	7.00	7.00	462	491
N10K7P70(4)_10	2.04	2.04	7.00	7.00	458	488
N10K7P70(5)_1	0.21	0.24	10.00	10.00	694	904
N10K7P70(5)_2	0.24	0.21	10.00	10.00	793	902
N10K7P70(5)_3	0.21	0.24	10.00	10.00	881	806
N10K7P70(5)_4	0.25	0.24	10.00	10.00	730	1688
N10K7P70(5)_5	0.24	0.21	10.00	10.00	705	1023
N10K7P70(5)_6	0.24	0.24	10.00	10.00	874	1061
N10K7P70(5)_7	0.24	0.24	10.00	10.00	881	870
N10K7P70(5)_8	0.21	0.21	10.00	10.00	941	794
N10K7P70(5)_9	0.21	0.24	10.00	10.00	705	717
N10K7P70(5)_10	0.21	0.21	10.00	10.00	1308	961
N10K7P70(6)_1	1.09	1.09	9.00	9.00	671	744
N10K7P70(6)_2	1.09	1.09	9.00	9.00	686	771
N10K7P70(6)_3	1.09	1.09	9.00	9.00	624	723
N10K7P70(6)_4	1.09	1.11	9.00	9.00	1001	666
N10K7P70(6)_5	1.09	1.09	10.00	9.00	730	759
N10K7P70(6)_6	1.09	1.09	10.00	10.00	777	869
N10K7P70(6)_7	1.09	1.09	9.00	9.00	620	1045
N10K7P70(6)_8	1.09	1.11	9.00	9.00	667	668
N10K7P70(6)_9	1.09	1.09	9.00	10.00	634	740
N10K7P70(6)_10	1.11	1.09	9.00	9.00	635	702
N10K7P70(7)_1	2.16	2.16	8.00	9.00	595	625
N10K7P70(7)_2	2.16	2.16	8.00	9.00	560	585
N10K7P70(7)_3	2.16	2.16	8.00	8.00	569	627
N10K7P70(7)_4	2.16	2.16	8.00	8.00	561	584
N10K7P70(7)_5	2.16	2.16	8.00	9.00	556	619
N10K7P70(7)_6	2.16	2.16	8.00	8.00	578	569
N10K7P70(7)_7	2.16	2.16	8.00	8.00	542	579
N10K7P70(7)_8	2.16	2.16	8.00	9.00	569	578
N10K7P70(7)_9	2.16	2.16	9.00	8.00	560	577
N10K7P70(7)_10	2.16	2.16	9.00	8.00	586	570
N10K7P70(8)_1	1.82	1.82	9.00	9.00	545	680
N10K7P70(8)_2	1.82	1.82	9.00	10.00	519	698
N10K7P70(8)_3	1.82	1.82	10.00	9.00	511	525
N10K7P70(8)_4	1.82	1.82	9.00	9.00	565	653
N10K7P70(8)_5	1.82	1.82	9.00	9.00	509	639
N10K7P70(8)_6	1.82	1.82	10.00	9.00	622	863
N10K7P70(8)_7	1.82	1.82	9.00	10.00	600	575
N10K7P70(8)_8	1.82	1.82	9.00	10.00	526	604
N10K7P70(8)_9	1.82	1.82	9.00	9.00	536	610
N10K7F70(8)_9 N10K7P70(8)_10	1.82	1.82	9.00	9.00	531	610
N10K7P70(8)_10 N10K7P70(9)_1	0.80	0.80	9.00	10.00	694	787
N10K7P70(9)_1 N10K7P70(9)_2	0.80	0.80	10.00	10.00	704	839
1110K/F/0(9)_2	0.00	0.00	10.00	10.00	104	009

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K7P70(9)_3	0.80	0.80	9.00	9.00	643	719
N10K7P70(9)_4	0.80	0.80	9.00	9.00	694	704
N10K7P70(9)_5	0.80	0.80	9.00	9.00	692	857
N10K7P70(9)_6	0.80	0.80	9.00	10.00	754	805
N10K7P70(9)_7	0.80	0.80	9.00	9.00	726	740
N10K7P70(9)_8	0.80	0.80	9.00	9.00	677	760
N10K7P70(9)_9	0.80	0.80	9.00	9.00	716	699
N10K7P70(9)_10	0.80	0.80	9.00	9.00	694	722
N10K7P70(10)_1	1.78	1.78	10.00	10.00	1189	756
N10K7P70(10)_2	1.78	1.78	10.00	10.00	750	1370
N10K7P70(10)_3	1.82	1.78	10.00	10.00	723	755
N10K7P70(10)_4	1.78	1.78	10.00	10.00	730	761
N10K7P70(10)_5	1.78	1.78	10.00	10.00	725	763
N10K7P70(10)_6	1.78	1.78	10.00	10.00	696	792
N10K7P70(10)_7	1.78	1.78	10.00	10.00	1047	775
N10K7P70(10)_8	1.78	1.78	10.00	10.00	703	852
N10K7P70(10)_9	1.78	1.78	10.00	10.00	737	834
N10K7P70(10)_10	1.78	1.78	10.00	10.00	735	746
N10K7P80(1)_1	0.92	0.92	8.00	8.00	893	693
N10K7P80(1)_2	0.92	0.92	10.00	8.00	593	825
N10K7P80(1)_3	0.92	0.92	9.00	10.00	911	689
N10K7P80(1)_4	0.92	0.92	8.00	9.00	628	697
N10K7P80(1)_5	0.92	0.92	9.00	8.00	1009	629
N10K7P80(1)_6	0.92	0.92	9.00	8.00	609	621
N10K7P80(1)_7	0.92	0.92	9.00	8.00	634	656
N10K7P80(1)_8	0.92	0.92	8.00	10.00	646	657
N10K7P80(1)_9	0.92	0.92 0.92	9.00	9.00 8.00	1026 775	641
N10K7P80(1)_10 N10K7P80(2)_1	0.32	0.39	10.00	10.00	760	826
N10K7P80(2)_2	0.39	$\frac{0.39}{0.42}$	10.00	9.00	751	816
N10K7F80(2)_3	0.39	0.42	9.00	10.00	687	888
N10K7P80(2)_4	0.42	$\frac{0.33}{0.42}$	10.00	9.00	856	803
N10K7P80(2)_5	0.39	0.39	10.00	10.00	727	809
N10K7P80(2)_6	0.39	0.42	10.00	9.00	1437	717
N10K7P80(2)_7	0.39	0.39	10.00	10.00	850	936
N10K7P80(2)_8	0.39	0.39	10.00	10.00	857	839
N10K7P80(2)_9	0.39	0.39	10.00	10.00	677	769
N10K7P80(2)_10	0.39	0.39	10.00	10.00	765	852
N10K7P80(3)_1	1.05	1.05	10.00	10.00	665	812
N10K7P80(3)_2	1.05	1.05	10.00	9.00	662	669
N10K7P80(3)_3	1.05	1.05	9.00	10.00	648	661
N10K7P80(3)_4	1.05	1.05	9.00	9.00	675	657
N10K7P80(3)_5	1.05	1.05	9.00	10.00	611	656
N10K7P80(3)_6	1.05	1.05	9.00	9.00	624	676
N10K7P80(3)_7	1.05	1.05	9.00	9.00	683	646
N10K7P80(3)_8	1.05	1.05	9.00	9.00	643	696
N10K7P80(3)_9	1.05	1.05	10.00	9.00	608	684
N10K7P80(3)_10	1.05	1.05	9.00	9.00	709	688
N10K7P80(4)_1	2.44	2.44	7.00	7.00	455	480
N10K7P80(4)_2	2.44	2.44	7.00	7.00	443	483
N10K7P80(4)_3	2.44	2.44	7.00	8.00	463	488
N10K7P80(4)_4	2.44	2.44	7.00	7.00	454	478
N10K7P80(4)_5	2.44	2.44	7.00	8.00	470	496
N10K7P80(4)_6	2.44	2.44	7.00	7.00	451	482
N10K7P80(4)_7	2.44	2.44	7.00	7.00	462	469
N10K7P80(4)_8	2.44	2.44	7.00	7.00	448	487
N10K7P80(4)_9	2.44	2.44	7.00	7.00	456	481

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K7P80(4)_10	2.44	2.44	7.00	7.00	457	476
N10K7P80(5)_1	0.57	0.59	10.00	10.00	786	755
N10K7P80(5)_2	0.57	0.57	10.00	10.00	836	821
N10K7P80(5)_3	0.57	0.57	10.00	10.00	761	1092
N10K7P80(5)_4	0.57	0.55	10.00	10.00	850	747
N10K7P80(5)_5	0.55	0.59	10.00	10.00	887	756
N10K7P80(5)_6	0.53	0.55	10.00	10.00	704	671
N10K7P80(5)_7	0.55	0.59	10.00	10.00	776	709
N10K7P80(5)_8	0.53	0.57	10.00	10.00	749	936
N10K7P80(5)_9	0.53	0.55	10.00	10.00	806	1381
N10K7P80(5)_10	0.53	0.55	10.00	10.00	870	755
N10K7P80(6)_1	1.64	1.71	10.00	9.00	757	729
N10K7P80(6)_2	1.64	1.64	10.00	10.00	829	675
N10K7P80(6)_3	1.64	1.64	10.00	10.00	728	822
N10K7P80(6)_4	1.64	1.64	10.00	10.00	845	826
N10K7P80(6)_5	1.66	1.66	10.00	10.00	660	1118
N10K7P80(6)_6	1.64	1.64	10.00	10.00	1129	897
N10K7P80(6)_7	1.64	1.64	10.00	10.00	623	723
N10K7P80(6)_8	1.64	1.71	10.00	9.00	681	764
N10K7P80(6)_9	1.71	1.64	9.00	10.00	619	695
N10K7P80(6)_10	1.64	1.64	10.00	10.00	655	899
N10K7P80(7)_1	2.76	2.76	9.00	9.00	563	571
N10K7P80(7)_2	2.76	2.76	8.00	8.00	588	584
N10K7P80(7)_3	2.76	2.76	8.00	8.00	536	612
N10K7P80(7)_4	2.76	2.76	9.00	8.00	600	583
N10K7P80(7)_5	2.76	2.76	9.00	9.00	577 564	584
N10K7P80(7)_6 N10K7P80(7)_7	2.76	2.76 2.76	9.00	8.00 9.00	589	593 612
N10K7P80(7)_8	2.76	2.76	8.00	9.00	579	567
N10K7P80(7)_9	2.76	2.76	8.00	8.00	564	620
N10K7P80(7)_10	2.76	2.76	8.00	8.00	571	589
N10K7P80(8)_1	2.26	2.26	8.00	9.00	529	550
N10K7P80(8)_2	2.26	2.26	8.00	8.00	505	555
N10K7P80(8)_3	2.26	2.26	8.00	8.00	482	518
N10K7P80(8)_4	2.26	2.26	8.00	8.00	503	520
N10K7P80(8)_5	2.26	2.26	8.00	8.00	500	534
N10K7P80(8)_6	2.26	2.26	8.00	8.00	505	510
N10K7P80(8)_7	2.26	2.26	8.00	8.00	486	522
N10K7P80(8)_8	2.26	2.26	8.00	9.00	495	517
N10K7P80(8)_9	2.26	2.26	8.00	8.00	494	528
N10K7P80(8)_10	2.26	2.26	8.00	9.00	484	561
N10K7P80(9)_1	1.33	1.33	9.00	9.00	702	724
N10K7P80(9)_2	1.33	1.33	10.00	9.00	717	700
N10K7P80(9)_3	1.33	1.33	9.00	9.00	728	776
N10K7P80(9)_4	1.33	1.33	9.00	9.00	761	766
N10K7P80(9)_5	1.33	1.33	9.00	9.00	691	686
N10K7P80(9)_6	1.33	1.33	9.00	9.00	702	677
N10K7P80(9)_7	1.33	1.37	9.00	9.00	669	745
N10K7P80(9)_8	1.33	1.33	9.00	9.00	736	796
N10K7P80(9)_9	1.33	1.33	9.00	9.00	699	754
N10K7P80(9)_10	1.33	1.33	9.00	9.00	797	767
N10K7P80(10)_1	2.34	2.34	10.00	10.00	731	863
N10K7P80(10)_2	2.34	2.34	10.00	10.00	782	806
N10K7P80(10)_3	2.34	2.34	10.00	10.00	704	703
N10K7P80(10)_4	2.34	2.34	10.00	10.00	813	778
N10K7P80(10)_5	2.42	2.34	10.00	10.00	775	871
N10K7P80(10)_6	2.42	2.34	10.00	10.00	684	729

T 4 //D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K7P80(10)_7	2.34	2.34	10.00	10.00	1036	843
N10K7P80(10)_8	2.34	2.34	10.00	10.00	704	768
N10K7P80(10)_9	2.34	2.34	10.00	10.00	733	783
N10K7P80(10)_10	2.34	2.34	10.00	10.00	745	771
N10K9P50(1)_1	0.72	0.72	9.00	9.00	574	611
N10K9P50(1)_2	0.72	0.72	9.00	9.00	568	620
N10K9P50(1)_3	0.72	0.72	9.00	8.00	569	622
N10K9P50(1)_4	0.72	0.72	9.00	9.00	591	617
N10K9P50(1)_5	0.72	0.72	9.00	9.00	576	619
N10K9P50(1)_6	0.72	0.72	9.00	9.00	574	627
N10K9P50(1)_7	0.72	0.72	9.00	9.00	576	619
N10K9P50(1)_8	0.72	0.72	9.00	8.00	572	615
N10K9P50(1)_9	0.72	0.72	9.00	8.00	576	623
N10K9P50(1)_10	0.72	0.72	9.00	8.00	593	622
N10K9P50(2)_1	0.45	0.45	9.00	9.00	608	686
N10K9P50(2)_2	0.45	0.45	9.00	9.00	624	667
N10K9P50(2)_3	0.45	0.45	9.00	9.00	622	692
N10K9P50(2)_4	0.45	0.45	9.00	9.00	623	685
N10K9P50(2)_5	0.45	0.45	9.00	9.00	665	684
N10K9P50(2)_6	0.45	0.45	9.00	9.00	604	677
N10K9P50(2)_7	0.45	0.45	9.00	9.00	611	668
N10K9P50(2)_8	0.45	0.45	9.00	9.00	603	683
N10K9P50(2)_9	0.45	0.45	9.00	9.00	634	699
N10K9P50(2)_10	0.45	0.45	9.00	9.00	624	724
N10K9P50(3)_1	0.75	0.75	10.00	10.00	805	733
N10K9P50(3)_2	0.76	0.75	10.00	10.00	730	850
N10K9P50(3)_3	0.75	0.75	10.00	10.00	765	783
N10K9P50(3)_4	0.75	0.75	10.00	10.00	648 731	739
N10K9P50(3)_5 N10K9P50(3)_6	0.75	$0.75 \\ \hline 0.75$	10.00	10.00	671	1134
N10K9P50(3)_7	0.75	$\frac{0.75}{0.75}$	10.00	10.00	791	913 751
N10K9P50(3)_8	0.75	$\frac{0.75}{0.75}$	10.00	10.00	681	$\frac{751}{758}$
N10K9F50(3)_8 N10K9P50(3)_9	0.75	0.75	10.00	10.00	766	778
N10K9P50(3)_10	0.75	0.75	10.00	10.00	678	830
N10K9P50(4)_1	2.22	2.22	9.00	8.00	449	490
N10K9P50(4)_2	2.22	2.22	9.00	9.00	460	502
N10K9P50(4)_3	2.22	2.22	9.00	9.00	457	480
N10K9P50(4)_4	2.22	2.22	9.00	9.00	454	478
N10K9P50(4)_5	2.22	2.22	9.00	7.00	456	484
N10K9P50(4)_6	2.22	2.22	9.00	9.00	458	486
N10K9P50(4)_7	2.22	2.22	9.00	9.00	449	489
N10K9P50(4)_8	2.22	2.22	9.00	9.00	459	493
N10K9P50(4)_9	2.22	2.22	9.00	9.00	455	487
N10K9P50(4)_10	2.22	2.22	9.00	9.00	456	479
N10K9P50(5)_1	0.06	0.06	10.00	10.00	672	711
N10K9P50(5)_2	0.06	0.06	10.00	10.00	659	760
N10K9P50(5)_3	0.06	0.07	10.00	10.00	708	674
N10K9P50(5)_4	0.06	0.06	10.00	10.00	645	685
N10K9P50(5)_5	0.06	0.06	10.00	10.00	982	753
N10K9P50(5)_6	0.06	0.06	10.00	10.00	710	903
N10K9P50(5)_7	0.06	0.06	10.00	10.00	704	695
N10K9P50(5)_8	0.06	0.06	10.00	10.00	661	724
N10K9P50(5)_9	0.06	0.06	10.00	10.00	658	678
N10K9P50(5) ₋ 10	0.06	0.06	10.00	10.00	1083	1070
N10K9P50(6)_1	0.99	1.00	10.00	9.00	944	652
N10K9P50(6)_2	0.99	0.99	10.00	10.00	616	1319
N10K9P50(6)_3	0.99	0.99	10.00	10.00	646	685

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K9P50(6)_4	0.99	0.99	10.00	10.00	620	664
N10K9P50(6)_5	0.99	0.99	10.00	10.00	719	665
N10K9P50(6)_6	0.99	0.99	10.00	10.00	636	851
N10K9P50(6)_7	0.99	0.99	10.00	10.00	675	667
N10K9P50(6)_8	1.00	0.99	9.00	10.00	638	676
N10K9P50(6)_9	0.99	0.99	10.00	10.00	674	682
N10K9F50(6)_10	0.99	0.99	10.00	10.00	1118	959
N10K9P50(7)_1	2.00	2.00	9.00	9.00	567	613
N10K9P50(7)_2	2.00	2.00	9.00	9.00	549	605
N10K9P50(7)_3	2.00	2.00	9.00	9.00	573	611
N10K9P50(7)_4	2.00	2.00	9.00	9.00	612	592
N10K9P50(7)_4 N10K9P50(7)_5	2.00	2.00	9.00	9.00	602	594
N10K9P50(7)_6	2.00	2.00	9.00	9.00	592	598
	2.00		9.00	9.00	$\frac{592}{557}$	573
N10K9P50(7)_7		2.00			595	
N10K9P50(7)_8	2.00	2.00	9.00	9.00		630
N10K9P50(7)_9	2.00	2.00	9.00	9.00	544	617
N10K9P50(7)_10	2.00	2.00	9.00	9.00	601	613
N10K9P50(8)_1	1.72	1.72	9.00	9.00	629	617
N10K9P50(8)_2	1.72	1.72	9.00	9.00	537	620
N10K9P50(8)_3	1.72	1.72	9.00	9.00	617	590
N10K9P50(8)_4	1.72	1.72	9.00	10.00	656	595
N10K9P50(8)_5	1.72	1.72	9.00	9.00	610	640
N10K9P50(8)_6	1.72	1.72	9.00	9.00	543	582
N10K9P50(8)_7	1.72	1.72	9.00	9.00	609	598
N10K9P50(8)_8	1.72	1.72	9.00	9.00	595	582
N10K9P50(8)_9	1.72	1.72	10.00	9.00	610	585
N10K9P50(8)_10	1.72	1.72	9.00	9.00	531	668
N10K9P50(9)_1	0.57	0.57	10.00	10.00	618	660
N10K9P50(9)_2	0.57	0.57	10.00	10.00	592	630
N10K9P50(9)_3	0.57	0.57	10.00	10.00	616	652
N10K9P50(9)_4	0.57	0.57	10.00	10.00	660	639
N10K9P50(9)_5	0.57	0.57	10.00	10.00	992	655
N10K9P50(9)_6	0.57	0.57	10.00	10.00	619	639
N10K9P50(9)_7	0.57	0.57	10.00	10.00	616	642
N10K9P50(9)_8	0.57	0.57	10.00	10.00	601	648
N10K9P50(9)_9	0.57	0.57	10.00	10.00	596	679
N10K9P50(9)_10	0.70	0.57	9.00	10.00	611	657
N10K9P50(10)_1	1.08	1.08	10.00	10.00	731	795
N10K9P50(10)_2	1.08	1.08	10.00	10.00	879	771
N10K9P50(10)_3	1.08	1.08	10.00	10.00	717	717
N10K9P50(10)_4	1.08	1.08	10.00	10.00	695	756
N10K9P50(10)_5	1.08	1.08	10.00	10.00	848	797
N10K9P50(10)_6	1.08	1.08	10.00	10.00	688	845
N10K9P50(10)_7	1.08	1.08	10.00	10.00	686	871
N10K9P50(10)_8	1.08	1.08	10.00	10.00	702	752
N10K9P50(10)_9	1.08	1.08	10.00	10.00	983	742
N10K9P50(10)_10	1.08	1.08	10.00	10.00	802	792
N10K9P60(1)_1	1.09	1.08	10.00	9.00	630	653
N10K9P60(1)_2	1.08	1.08	9.00	9.00	639	1210
N10K9P60(1)_3	1.09	1.08	9.00	9.00	662	1195
N10K9P60(1)_4	1.08	1.08	9.00	9.00	870	646
N10K9P60(1)_5	1.08	1.08	9.00	10.00	949	731
N10K9P60(1)_6	1.09	1.08	9.00	9.00	628	648
N10K9P60(1)_7	1.08	1.08	9.00	9.00	772	633
N10K9P60(1)_8	1.09	1.08	9.00	9.00	601	720
N10K9P60(1)_9	1.08	1.08	10.00	9.00	612	706
N10K9P60(1)_10	1.08	1.09	10.00	9.00	768	688
	1		1			

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K9P60(2)_1	0.73	0.73	10.00	10.00	809	859
N10K9P60(2)_2	0.73	0.73	10.00	10.00	726	762
N10K9P60(2)_3	0.73	0.73	10.00	10.00	765	823
N10K9P60(2)_4	0.73	0.73	10.00	10.00	630	737
N10K9P60(2)_5	0.73	0.73	10.00	10.00	701	819
N10K9P60(2)_6	0.73	0.73	10.00	10.00	725	782
N10K9P60(2)_7	0.73	0.73	10.00	10.00	$\frac{723}{741}$	785
N10K9P60(2)_8	0.73	0.73	10.00	10.00	742	964
N10K9P60(2)_9	0.73	0.73	10.00	10.00	680	759
N10K9P60(2)_9 N10K9P60(2)_10	0.73	0.73	10.00	10.00	745	771
						729
N10K9P60(3)_1	1.26	1.26	10.00	10.00	684	
N10K9P60(3)_2	1.26	1.31	10.00	10.00	641	861
N10K9P60(3)_3	1.26	1.26	10.00	10.00	753	860
N10K9P60(3)_4	1.26	1.26	10.00	10.00	704	770
N10K9P60(3)_5	1.31	1.26	10.00	10.00	616	766
N10K9P60(3)_6	1.26	1.26	10.00	10.00	747	718
N10K9P60(3)_7	1.31	1.26	10.00	10.00	734	669
N10K9P60(3)_8	1.26	1.31	10.00	10.00	706	783
N10K9P60(3)_9	1.26	1.26	10.00	10.00	641	1245
N10K9P60(3)_10	1.26	1.31	10.00	10.00	685	871
N10K9P60(4)_1	2.84	2.84	9.00	9.00	470	492
N10K9P60(4)_2	2.84	2.84	9.00	9.00	471	500
N10K9P60(4)_3	2.84	2.84	9.00	9.00	452	479
N10K9P60(4)_4	2.84	2.84	9.00	9.00	452	507
N10K9P60(4)_5	2.84	2.84	9.00	9.00	465	471
N10K9P60(4)_6	2.84	2.84	9.00	9.00	452	474
N10K9P60(4)_7	2.84	2.84	9.00	9.00	466	480
N10K9P60(4)_8	2.84	2.84	9.00	9.00	462	478
N10K9P60(4)_9	2.84	2.84	9.00	9.00	462	471
N10K9P60(4)_10	2.84	2.84	9.00	9.00	453	471
N10K9P60(5)_1	0.49	0.49	10.00	10.00	760	796
N10K9P60(5)_2	0.49	0.49	10.00	10.00	760	905
N10K9P60(5)_3	0.49	0.49	10.00	10.00	838	777
N10K9P60(5)_4	0.49	0.49	10.00	10.00	732	780
N10K9P60(5)_5	0.49	0.49	10.00	10.00	781	739
N10K9P60(5)_6	0.49	0.49	10.00	10.00	721	759
N10K9P60(5)_7	0.49	0.49	10.00	10.00	728	929
N10K9P60(5)_8	0.49	0.49	10.00	10.00	718	742
N10K9P60(5)_9	0.49	0.49	10.00	10.00	822	920
N10K9P60(5)_10	0.49	0.49	10.00	10.00	752	852
N10K9P60(6)_1	1.63	1.63	10.00	10.00	677	647
N10K9P60(6)_2	1.63	1.63	10.00	10.00	687	789
N10K9P60(6)_3	1.63	1.63	10.00	10.00	945	826
N10K9P60(6)_4	1.63	1.63	10.00	10.00	767	1048
N10K9P60(6)_5	1.63	1.63	10.00	10.00	695	673
N10K9P60(6)_6	1.63	1.63	10.00	10.00	675	787
N10K9P60(6)_7	1.63	1.63	10.00	10.00	678	1640
N10K9P60(6)_8	1.63	1.63	10.00	10.00	691	796
N10K9P60(6)_9	1.63	1.63	10.00	10.00	1007	1167
N10K9P60(6)_10	1.63	1.63	10.00	10.00	743	1107
N10K9P60(7)_1	2.71	2.71	10.00	9.00	542	629
N10K9F60(7)_1 N10K9P60(7)_2	2.71	2.71	9.00	9.00	580	612
N10K9F60(7)_3	2.71	2.71	9.00	9.00	562	705
N10K9P60(7)_4	2.71	2.71	9.00	9.00	573	642
N10K9P60(7)_4 N10K9P60(7)_5	2.71	$\frac{2.71}{2.71}$	9.00	9.00	597	631
N10K9P60(7)_6	2.71	$\frac{2.71}{2.71}$	9.00	10.00	609	634
N10K9P60(7)_7	2.71	$\frac{2.71}{2.71}$	9.00	9.00	634	635
1110K9F00(/)_/	2.11	2.11	9.00	9.00	004	055

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K9P60(7)_8	2.71	2.71	9.00	9.00	610	629
N10K9P60(7)_9	2.71	2.71	9.00	10.00	625	636
N10K9P60(7)_10	2.71	2.71	9.00	9.00	581	603
N10K9P60(8)_1	2.34	2.34	10.00	9.00	549	598
N10K9P60(8)_2	2.34	2.34	10.00	9.00	585	$\frac{638}{622}$
N10K9F60(8)_3	2.34	2.34	9.00	9.00	561	627
N10K9P60(8)_4	2.34	2.34	9.00	9.00	536	579
N10K9F60(8)_5	2.34	2.34	9.00	10.00	605	609
N10K9P60(8)_6	2.34	2.34	9.00	9.00	568	581
N10K9P60(8)_7	2.34	2.34	9.00	10.00	560	637
N10K9P60(8)_8	2.34	2.34	10.00	10.00	619	600
N10K9P60(8)_9	2.34	2.34	9.00	9.00	598	613
N10K9P60(8)_10	2.34	$\frac{2.34}{2.34}$	9.00	9.00	604	754
` '	1.03		10.00		745	
N10K9P60(9)_1		1.03		10.00	688	716
N10K9P60(9)_2	1.03	1.03	10.00	10.00		714
N10K9P60(9)_3	1.03	1.03	10.00	10.00	748	711
N10K9P60(9)_4	1.03	1.03	10.00	10.00	738	769
N10K9P60(9)_5	1.03	1.03	10.00	10.00	696	761
N10K9P60(9)_6	1.03	1.03	10.00	10.00	737	753
N10K9P60(9)_7	1.03	1.03	10.00	10.00	662	797
N10K9P60(9)_8	1.03	1.03	10.00	10.00	738	767
N10K9P60(9)_9	1.03	1.03	10.00	10.00	652	889
N10K9P60(9)_10	1.03	1.03	10.00	10.00	770	700
N10K9P60(10)_1	1.83	1.83	10.00	10.00	752	730
N10K9P60(10)_2	1.83	1.83	10.00	10.00	700	740
N10K9P60(10)_3	1.83	1.83	10.00	10.00	742	820
N10K9P60(10)_4	1.83	1.83	10.00	10.00	760	803
N10K9P60(10)_5	1.83	1.83	10.00	10.00	671	739
N10K9P60(10)_6	1.83	1.83	10.00	10.00	709	797
N10K9P60(10)_7	1.83	1.83	10.00	10.00	663	779
N10K9P60(10)_8	1.83	1.83	10.00	10.00	693	766
N10K9P60(10)_9	1.83	1.83	10.00	10.00	667	937
N10K9P60(10)_10	1.83	1.83	10.00	10.00	738	782
N10K9P70(1)_1	1.49	1.49	9.00	10.00	650	724
N10K9P70(1)_2	1.49	1.49	9.00	9.00	627	961
N10K9P70(1)_3	1.49	1.49	9.00	9.00	599	634
N10K9P70(1)_4	1.49	1.49	9.00	10.00	618	685
N10K9P70(1)_5	1.49	1.49	9.00	9.00	592	684
N10K9P70(1)_6	1.49	1.49	9.00	9.00	611	661
N10K9P70(1)_7	1.49	1.49	9.00	9.00	621	674
N10K9P70(1)_8	1.49	1.49	9.00	9.00	588	648
N10K9P70(1)_9	1.49	1.49	9.00	9.00	653	654
N10K9P70(1)_10	1.49	1.49	9.00	9.00	628	692
N10K9P70(2)_1	1.09	1.09	10.00	10.00	758	723
N10K9P70(2)_2	1.09	1.09	10.00	10.00	690	746
N10K9P70(2)_3	1.09	1.09	10.00	10.00	685	820
N10K9P70(2)_4	1.09	1.09	10.00	10.00	748	750
N10K9P70(2)_5	1.09	1.09	10.00	10.00	664	758
N10K9P70(2)_6	1.09	1.09	10.00	10.00	717	780
N10K9P70(2)_7	1.09	1.09	10.00	10.00	717	906
N10K9P70(2)_8	1.09	1.09	10.00	10.00	807	774
N10K9P70(2)_9	1.09	1.09	10.00	10.00	706	728
N10K9P70(2)_10	1.09	1.09	10.00	10.00	702	702
N10K9P70(3)_1	1.76	1.76	10.00	10.00	641	714
N10K9P70(3)_2	1.76	1.76	10.00	10.00	1278	975
N10K9P70(3)_3	1.91	1.79	9.00	10.00	589	704
N10K9P70(3)_4	1.76	1.79	10.00	10.00	747	733
` '	1		1		·	

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K9P70(3)_5	1.76	1.76	10.00	10.00	689	712
N10K9P70(3)_6	1.76	1.76	10.00	10.00	679	897
N10K9P70(3)_7	1.76	1.76	10.00	10.00	820	845
N10K9P70(3)_8	1.76	1.76	10.00	10.00	653	739
N10K9P70(3)_9	1.76	1.76	10.00	10.00	693	680
N10K9P70(3)_10	1.76	1.76	10.00	10.00	763	769
N10K9P70(4)_1	3.44	3.44	9.00	9.00	453	488
N10K9P70(4)_2	3.44	3.44	9.00	9.00	462	477
N10K9P70(4)_3	3.44	3.44	9.00	9.00	453	520
N10K9P70(4)_4	3.44	3.44	9.00	9.00	461	487
N10K9P70(4)_5	3.44	3.44	9.00	9.00	464	498
N10K9P70(4)_6	3.44	3.44	9.00	9.00	467	492
N10K9P70(4)_7	3.44	3.44	9.00	9.00	469	482
N10K9P70(4)_8	3.44	3.44	9.00	9.00	452	488
N10K9P70(4)_9	3.44	3.44	9.00	9.00	454	485
N10K9P70(4)_10	3.44	3.44	9.00	8.00	449	492
N10K9P70(5)_1	1.23	1.23	10.00	10.00	977	806
N10K9P70(5)_2	1.24	1.23	10.00	10.00	725	837
N10K9P70(5)_3	1.24	1.23	10.00	10.00	1236	839
N10K9P70(5)_4	1.24	1.24	10.00	10.00	774	789
N10K9P70(5)_5	1.23	1.24	10.00	10.00	873	778
N10K9P70(5)_6	1.23	1.23	10.00	10.00	800	830
N10K9P70(5)_7	1.23	1.23	10.00	10.00	719	774
N10K9P70(5)_8	1.23	1.23	10.00	10.00	723	723
N10K9P70(5)_9	1.23	1.24	10.00	10.00	714	785
N10K9P70(5)_10	1.23	1.23	10.00	10.00	775	897
N10K9P70(6)_1	2.43	2.43	10.00	10.00	724	678
N10K9P70(6)_2	2.43	2.43	10.00	10.00	641	748
N10K9P70(6)_3	2.43	2.43	10.00	10.00	727	991
N10K9P70(6)_4	2.43	2.43	10.00	10.00	702	747
N10K9P70(6)_5	2.43	2.43	10.00	10.00	644	752
N10K9P70(6)_6	2.43	2.43	10.00	10.00	826	789
N10K9P70(6)_7	2.43	2.43	10.00	10.00	605	761
N10K9P70(6)_8	2.43	2.43	10.00	10.00	772	745
N10K9P70(6)_9	2.44	2.43	10.00	10.00	708	768
N10K9P70(6)_10	2.43	2.43	10.00	10.00	690	746
N10K9P70(7)_1	3.48	3.48	9.00	9.00	618	598
N10K9P70(7)_2	3.48	3.48	9.00	9.00	625	666
N10K9P70(7)_3	3.48	3.48	9.00	9.00	638	587
N10K9P70(7)_4	3.48	3.48	9.00	9.00	558	603
N10K9P70(7)_5	3.48	3.48	9.00	9.00	640	593
N10K9P70(7)_6	3.48	3.48	10.00	9.00	612	587
N10K9P70(7)_7	3.48	3.48	10.00	9.00	559	616
N10K9P70(7)_8	3.48	3.48	9.00	9.00	609	624
N10K9P70(7)_9	3.48	3.48	9.00	10.00	577	621
N10K9P70(7)_10	3.48	3.48	9.00	9.00	652	657
N10K9P70(8)_1	2.94	2.94	9.00	9.00	600	556
N10K9P70(8)_2	2.94	2.94	9.00	10.00	707	645
N10K9P70(8)_3	2.94	2.94	9.00	9.00	594	615
N10K9P70(8)_4	2.94	2.94	9.00	9.00	580	662
N10K9P70(8)_5	2.94	2.94	10.00	9.00	583	594
N10K9P70(8)_6	2.94	2.94	9.00	9.00	667	681
N10K9P70(8)_7	2.94	2.94	10.00	9.00	535	683
N10K9P70(8)_8	2.94	2.94	9.00	9.00	694	757
N10K9P70(8)_9	2.94	2.94	9.00	9.00	549	593
N10K9P70(8)_10	2.94	2.94	10.00	10.00	589	778
N10K9P70(9)_1	1.87	1.87	10.00	10.00	693	758

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K9P70(9)_2	1.87	1.87	10.00	10.00	676	730
N10K9P70(9)_3	1.87	1.87	10.00	10.00	704	800
N10K9P70(9)_4	1.87	1.87	10.00	10.00	706	699
N10K9P70(9)_5	1.87	1.87	10.00	10.00	706	692
N10K9P70(9)_6	1.87	1.87	10.00	10.00	634	684
N10K9P70(9)_7	1.87	1.87	10.00	10.00	679	738
N10K9P70(9)_8	1.87	1.87	10.00	10.00	597	741
N10K9P70(9)_9	1.87	1.87	10.00	10.00	678	736
N10K9P70(9)_10	1.87	1.87	10.00	10.00	653	858
N10K9P70(10)_1	2.69	2.69	10.00	10.00	728	830
N10K9P70(10)_2	2.69	2.69	10.00	10.00	701	818
N10K9P70(10)_3	2.69	2.69	10.00	10.00	745	837
N10K9P70(10)_4	2.69	2.69	10.00	10.00	698	788
N10K9P70(10)_5	2.69	2.69	10.00	10.00	751	800
N10K9P70(10)_6	2.69	2.69	10.00	10.00	715	813
N10K9P70(10)_7	2.69	2.69	10.00	10.00	679	767
N10K9P70(10)_8	2.69	2.69	10.00	10.00	682	836
N10K9P70(10)_9	2.69	2.69	10.00	10.00	774	798
N10K9P70(10)_10	2.69	2.69	10.00	10.00	668	819
N10K9P80(1)_1	1.89	1.89	9.00	9.00	629	648
N10K9P80(1)_2	1.89	1.89	9.00	9.00	660	649
N10K9P80(1)_3	1.89	1.89	9.00	9.00	592	649
N10K9P80(1)_4	1.89	1.89	10.00	9.00	628	753
N10K9P80(1)_5	1.89	1.89	9.00	9.00	606	727
N10K9P80(1)_6	1.89	1.89	9.00	9.00	604	669
N10K9P80(1)_7 N10K9P80(1)_8	1.89	1.89	9.00	9.00	599 622	693 614
N10K9P80(1)_9	1.89	1.89	9.00	9.00	632	629
N10K9P80(1)_10	1.89	1.89	10.00	9.00	590	667
N10K9P80(2)_1	1.49	1.49	10.00	10.00	727	900
N10K9P80(2)_2	1.49	1.49	10.00	10.00	698	843
N10K9P80(2)_3	1.49	1.49	10.00	10.00	712	$\frac{-543}{721}$
N10K9P80(2)_4	1.49	1.49	10.00	10.00	731	786
N10K9P80(2)_5	1.49	1.49	10.00	10.00	730	756
N10K9P80(2)_6	1.49	1.49	10.00	10.00	693	771
N10K9P80(2)_7	1.49	1.49	10.00	10.00	699	684
N10K9P80(2)_8	1.49	1.49	10.00	10.00	802	1281
N10K9P80(2)_9	1.49	1.49	10.00	10.00	757	765
N10K9P80(2)_10	1.49	1.60	10.00	9.00	681	718
N10K9P80(3)_1	2.26	2.26	10.00	10.00	658	739
N10K9P80(3)_2	2.26	2.26	10.00	10.00	805	693
N10K9P80(3)_3	2.26	2.26	10.00	10.00	887	740
N10K9P80(3)_4	2.29	2.26	10.00	10.00	635	701
N10K9P80(3)_5	2.26	2.26	10.00	10.00	653	732
N10K9P80(3)_6	2.26	2.26	10.00	10.00	667	671
N10K9P80(3)_7	2.26	2.26	10.00	10.00	673	738
N10K9P80(3)_8	2.26	2.26	10.00	10.00	739	682
N10K9P80(3)_9	2.26	2.26	10.00	10.00	686	672
N10K9P80(3)_10	2.26	2.26	10.00	10.00	659	645
N10K9P80(4)_1	4.04	4.04	9.00	9.00	446	468
N10K9P80(4)_2	4.04	4.04	9.00	9.00	488	478
N10K9P80(4)_3	4.04	4.04	9.00	8.00	450	473
N10K9P80(4)_4	4.04	4.04	9.00	9.00	467	485
N10K9P80(4)_5	4.04	4.04	9.00	9.00	455	468
N10K9P80(4)_6	4.04	4.04	9.00	9.00	453	473
N10K9P80(4)_7	4.04	4.04	9.00	9.00	470	468
N10K9P80(4)_8	4.04	4.04	9.00	9.00	455	485

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K9P80(4)_9	4.04	4.04	9.00	9.00	469	500
N10K9P80(4)_10	4.04	4.04	9.00	9.00	468	493
N10K9P80(5)_1	1.92	1.92	10.00	10.00	783	754
N10K9P80(5)_2	1.92	1.92	10.00	10.00	838	842
N10K9P80(5)_3	1.92	1.92	10.00	10.00	751	753
N10K9P80(5)_4	1.92	1.92	10.00	10.00	756	858
N10K9P80(5)_5	1.92	1.92	10.00	10.00	759	784
N10K9P80(5)_6	1.92	1.92	10.00	10.00	720	806
N10K9P80(5)_7	1.92	1.92	10.00	10.00	730	856
N10K9P80(5)_8	1.94	1.92	10.00	10.00	688	723
N10K9P80(5)_9	1.92	1.92	10.00	10.00	852	773
N10K9P80(5) ₋ 10	1.92	1.92	10.00	10.00	886	801
N10K9P80(6)_1	3.17	3.17	10.00	10.00	613	689
N10K9P80(6)_2	3.17	3.17	10.00	10.00	684	792
N10K9P80(6)_3	3.17	3.17	10.00	10.00	723	760
N10K9P80(6)_4	3.17	3.17	10.00	10.00	582	686
N10K9P80(6)_5	3.17	3.17	10.00	10.00	835	768
N10K9P80(6)_6	3.17	3.17	10.00	10.00	666	855
N10K9P80(6)_7	3.17	3.17	10.00	10.00	709	661
N10K9P80(6)_8	3.17	3.17	10.00	10.00	743	762
N10K9P80(6)_9	3.17	3.17	10.00	10.00	602	908
N10K9P80(6)_10	3.17	3.17	10.00	10.00	591	654
N10K9P80(7)_1	4.28	4.28	9.00	9.00	617	581
N10K9P80(7)_2	4.28	4.28	10.00	9.00	614	579
N10K9P80(7)_3	4.28	4.28	9.00	9.00	688	648
N10K9P80(7)_4	4.28	4.28	9.00	9.00	646	613
N10K9P80(7)_5	4.28	4.28	9.00	9.00	582	575
N10K9P80(7)_6 N10K9P80(7)_7	4.28	4.28	9.00	9.00	$\frac{570}{566}$	593 605
N10K9P80(7)_7 N10K9P80(7)_8	4.28	4.28	9.00	9.00	566	631
N10K9P80(7)_9	4.28	4.28	10.00	9.00	587	612
N10K9P80(7)_10	4.28	4.28	9.00	9.00	576	643
N10K9P80(8)_1	3.54	3.54	10.00	10.00	583	589
N10K9P80(8)_2	3.54	3.54	10.00	10.00	589	692
N10K9P80(8)_3	3.54	3.54	9.00	10.00	557	586
N10K9P80(8)_4	3.54	3.54	9.00	9.00	545	588
N10K9P80(8)_5	3.54	3.54	10.00	9.00	563	663
N10K9P80(8)_6	3.54	3.54	9.00	9.00	631	655
N10K9P80(8)_7	3.54	3.54	10.00	9.00	603	582
N10K9P80(8)_8	3.54	3.54	9.00	9.00	560	735
N10K9P80(8)_9	3.54	3.54	9.00	9.00	567	683
N10K9P80(8)_10	3.54	3.54	9.00	10.00	553	819
N10K9P80(9)_1	2.67	2.66	10.00	10.00	647	748
N10K9P80(9)_2	2.66	2.66	10.00	10.00	807	714
N10K9P80(9)_3	2.66	2.66	10.00	10.00	737	727
N10K9P80(9)_4	2.66	2.66	10.00	10.00	667	688
N10K9P80(9)_5	2.66	2.67	10.00	10.00	682	721
N10K9P80(9)_6	2.66	2.66	10.00	10.00	637	813
N10K9P80(9)_7	2.66	2.67	10.00	10.00	771	705
N10K9P80(9)_8	2.67	2.66	10.00	10.00	746	727
N10K9P80(9)_9	2.66	2.67	10.00	10.00	701	742
N10K9P80(9)_10	2.66	2.66	10.00	10.00	634	1041
N10K9P80(10)_1	3.39	3.39	10.00	10.00	675	779
N10K9P80(10)_2	3.39	3.39	10.00	10.00	663	730
N10K9P80(10)_3	3.39	3.39	10.00	10.00	684	789
N10K9P80(10)_4	3.39	3.39	10.00	10.00	670	801
N10K9P80(10)_5	3.39	3.39	10.00	10.00	662	734

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N10K9P80(10)_6	3.39	3.39	10.00	10.00	687	777
N10K9P80(10)_7	3.39	3.39	10.00	10.00	711	832
N10K9P80(10)_8	3.39	3.39	10.00	10.00	725	721
N10K9P80(10)_9	3.39	3.39	10.00	10.00	751	776
N10K9P80(10)_10	3.39	3.39	10.00	10.00	705	976
N20K7P50(1)_1	0.00	0.00	16.00	7.00	7	7
N20K7P50(1)_2	0.00	0.00	18.00	7.00	6	7
N20K7P50(1)_3	0.00	0.00	19.00	7.00	6	7
N20K7P50(1)_4	0.00	0.00	18.00	7.00	7	7
N20K7P50(1)_5	0.00	0.00	20.00	7.00	7	7
N20K7P50(1)_6	0.00	0.00	17.00	7.00	7	7
N20K7P50(1)_7	0.00	0.00	16.00	7.00	7	7
N20K7P50(1)_8	0.00	0.00	18.00	7.00	7	7
N20K7P50(1)_9	0.00	0.00	19.00	7.00	7	8
N20K7P50(1) ₋ 10	0.00	0.00	18.00	7.00	6	7
N20K7P50(2)_1	0.00	0.00	14.00	7.00	7	7
N20K7P50(2)_2	0.00	0.00	14.00	7.00	7	7
N20K7P50(2)_3	0.00	0.00	12.00	7.00	7	7
N20K7P50(2)_4	0.00	0.00	12.00	7.00	6	7
N20K7P50(2)_5	0.00	0.00	14.00	7.00	6	8
N20K7P50(2)_6	0.00	0.00	12.00	7.00	7	7
N20K7P50(2)_7	0.00	0.00	10.00	7.00	7	7
N20K7P50(2)_8	0.00	0.00	13.00	7.00	7	7
N20K7P50(2)_9	0.00	0.00	13.00	7.00	7	7
N20K7P50(2)_10	0.00	0.00	14.00	7.00	7	7
N20K7P50(3)_1	0.00	0.00	13.00	7.00	7	7
N20K7P50(3)_2	0.00	0.00	13.00	7.00	7	8
N20K7P50(3)_3	0.00	0.00	14.00	7.00	6	7
N20K7P50(3)_4	0.00	0.00	10.00	7.00	7	7
N20K7P50(3)_5	0.00	0.00	13.00	7.00	7	7
N20K7P50(3)_6	0.00	0.00	10.00	7.00	7	7
N20K7P50(3)_7	0.00	0.00	11.00	7.00	6	7
N20K7P50(3)_8	0.00	0.00	12.00	7.00	7	7
N20K7P50(3)_9	0.00	0.00	14.00	7.00	7	7
N20K7P50(3)_10	0.00	0.00	11.00	7.00	7	7
N20K7P50(4)_1	0.00	0.00	14.00	7.00	8	8
N20K7P50(4)_2	0.00	0.00	13.00	7.00	8	8
N20K7P50(4)_3	0.00	0.00	15.00	7.00	7	8
N20K7P50(4)_4	0.00	0.00	14.00	7.00	8	8
N20K7P50(4)_5	0.00	0.00	13.00	7.00	8	7
N20K7P50(4)_6	0.00	0.00	15.00	7.00	7	7
N20K7P50(4)_7	0.00	0.00	16.00	7.00	8	7
N20K7P50(4)_8	0.00	0.00	12.00	7.00	8	8
N20K7P50(4)_9	0.00	0.00	14.00	7.00	7	8
N20K7P50(4)_10	0.00	0.00	15.00	7.00	8	8
N20K7P50(5)_1	0.00	0.00	12.00	7.00	7	7
N20K7P50(5)_2	0.00	0.00	15.00	7.00	7	7
N20K7P50(5)_3	0.00	0.00	14.00	7.00	6	7
N20K7P50(5)_4	0.00	0.00	14.00	7.00	6	7
N20K7P50(5)_5	0.00	0.00	14.00	7.00	7	7
N20K7P50(5)_6	0.00	0.00	15.00	7.00	7	7
N20K7P50(5)_7	0.00	0.00	14.00	7.00	6	7
N20K7P50(5)_8	0.00	0.00	16.00	7.00	7	7
N20K7P50(5)_9	0.00	0.00	12.00	7.00	7	7
N20K7P50(5)_10	0.00	0.00	14.00	7.00	6	7
N20K7P50(6)_1	0.00	0.00	16.00	7.00	6	8
N20K7P50(6)_2	0.00	0.00	18.00	7.00	7	7

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K7P50(6)_3	0.00	0.00	16.00	7.00	6	6
N20K7P50(6)_4	0.00	0.00	18.00	7.00	6	6
N20K7P50(6)_5	0.00	0.00	18.00	7.00	7	6
N20K7P50(6)_6	0.00	0.00	16.00	7.00	6	7
N20K7P50(6)_7	0.00	0.00	13.00	7.00	7	7
N20K7P50(6)_8	0.00	0.00	16.00	7.00	7	7
N20K7P50(6)_9	0.00	0.00	15.00	7.00	6	7
N20K7P50(6)_10	0.00	0.00	15.00	7.00	6	7
N20K7P50(7)_1	0.00	0.00	18.00	7.00	8	7
N20K7P50(7)_2	0.00	0.00	17.00	7.00	7	8
N20K7P50(7)_3	0.00	0.00	17.00	7.00	7	7
N20K7P50(7)_4	0.00	0.00	18.00	7.00	7	8
N20K7P50(7)_5	0.00	0.00	18.00	7.00	7	8
N20K7P50(7)_6	0.00	0.00	17.00	7.00	7	7
N20K7P50(7)_7	0.00	0.00	15.00	7.00	8	8
N20K7P50(7)_8	0.00	0.00	16.00	7.00	7	7
N20K7P50(7)_9	0.00	0.00	15.00	7.00	7	8
N20K7P50(7)_10	0.00	0.00	15.00	7.00	7	8
N20K7P50(8)_1	0.00	0.00	18.00	7.00	7	7
N20K7P50(8)_2	0.00	0.00	18.00	7.00	7	7
N20K7P50(8)_3	0.00	0.00	19.00	7.00	7	7
N20K7P50(8)_4	0.00	0.00	17.00	7.00	6	7
N20K7P50(8)_5	0.00	0.00	18.00	7.00	6	7
N20K7P50(8)_6	0.00	0.00	18.00	7.00	7	7
N20K7P50(8)_7	0.00	0.00	17.00	7.00	7	7
N20K7P50(8)_8	0.00	0.00	16.00	7.00	6	7
N20K7P50(8)_9	0.00	0.00	18.00	7.00	7	7
N20K7P50(8)_10	0.00	0.00	20.00	7.00	6	7
N20K7P50(9)_1	0.00	0.00	20.00	15.00	49	8
N20K7P50(9)_2	0.00	0.00	17.00	15.00	12	8
N20K7P50(9)_3	0.00	0.00	20.00	15.00	23	7
N20K7P50(9)_4	0.00	0.00	19.00	15.00	23	8
N20K7P50(9)_5	0.00	0.00	20.00	15.00	39	7
N20K7P50(9)_6	0.00	0.00	20.00	15.00	18	7
N20K7P50(9)_7	0.00	0.00	20.00	15.00	18	8
N20K7P50(9)_8	0.00	0.00	17.00	15.00	18	8
N20K7P50(9)_9	0.00	0.00	20.00	15.00	49	8
N20K7P50(9)_10	0.00	0.00	19.00	15.00	28	7
N20K7P50(10)_1	0.00	0.00	13.00	8.00	7	8
N20K7P50(10)_2	0.00	0.00	15.00	8.00	7	7
N20K7P50(10)_3	0.00	0.00	15.00	8.00	7	7
N20K7P50(10)_4	0.00	0.00	13.00	8.00	7	8
N20K7P50(10)_5	0.00	0.00	16.00	8.00	7	8
N20K7P50(10)_6	0.00	0.00	15.00	8.00	7	8
N20K7P50(10)_7	0.00	0.00	14.00	8.00	8	8
N20K7P50(10)_8	0.00	0.00	13.00	8.00	7	7
N20K7P50(10)_9	0.00	0.00	15.00	8.00	7	8
N20K7P50(10)_10	0.00	0.00	17.00	8.00	8	8
N20K7P60(1)_1	0.00	0.00	18.00	8.00	16	7
N20K7P60(1)_2	0.00	0.00	20.00	8.00	31	7
N20K7P60(1)_3	0.00	0.00	17.00	8.00	16	7
N20K7P60(1)_4	0.00	0.00	20.00	8.00	16	8
N20K7P60(1)_5	0.00	0.00	20.00	8.00	6	7
N20K7P60(1)_6	0.00	0.00	20.00	8.00	17	7
N20K7P60(1)_7	0.00	0.00	17.00	8.00	39	7
N20K7P60(1)_8	0.00	0.00	20.00	8.00	31	7
N20K7P60(1)_9	0.00	0.00	20.00	8.00	16	7

T 4 #D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K7P60(1)_10	0.00	0.00	20.00	8.00	36	6
N20K7P60(2)_1	0.00	0.00	17.00	7.00	7	7
N20K7P60(2)_2	0.00	0.00	15.00	7.00	7	7
N20K7P60(2)_3	0.00	0.00	17.00	7.00	6	7
N20K7P60(2)_4	0.00	0.00	16.00	7.00	7	7
N20K7P60(2)_5	0.00	0.00	17.00	7.00	7	8
N20K7P60(2)_6	0.00	0.00	15.00	7.00	7	7
N20K7P60(2)_7	0.00	0.00	18.00	7.00	6	7
N20K7P60(2)_8	0.00	0.00	17.00	7.00	7	7
N20K7P60(2)_9	0.00	0.00	19.00	7.00	7	7
N20K7P60(2)_10	0.00	0.00	17.00	7.00	7	7
N20K7P60(3)_1	0.00	0.00	16.00	7.00	7	6
N20K7P60(3)_2	0.00	0.00	15.00	7.00	6	7
N20K7P60(3)_3	0.00	0.00	15.00	7.00	6	7
N20K7P60(3)_4	0.00	0.00	15.00	7.00	7	7
N20K7P60(3)_5	0.00	0.00	16.00	7.00	7	6
N20K7P60(3)_6	0.00	0.00	16.00	7.00	6	7
N20K7P60(3)_7	0.00	0.00	15.00	7.00	7	7
N20K7P60(3)_8	0.00	0.00	16.00	7.00	7	7
N20K7P60(3)_9	0.00	0.00	16.00	7.00	7	7
N20K7P60(3)_10	0.00	0.00	15.00	7.00	6	7
N20K7P60(4)_1	0.00	0.00	17.00	8.00	8	8
N20K7P60(4)_2	0.00	0.00	18.00	8.00	7	8
N20K7P60(4)_3	0.00	0.00	18.00	8.00	7	8
N20K7P60(4)_4	0.00	0.00	18.00	8.00	8	8
N20K7P60(4)_5	0.00	0.00	17.00	8.00	7	8
N20K7P60(4)_6	0.00	0.00	20.00	8.00	7	8
N20K7P60(4)_7	0.00	0.00	18.00	8.00	8	8
N20K7P60(4)_8	0.00	0.00	17.00	8.00	12	8
N20K7P60(4)_9	0.00	0.00	17.00	8.00	7	8
N20K7P60(4)_10	0.00	0.00	16.00	8.00	8	8
N20K7P60(5)_1		0.00	20.00	9.00	7	6 7
N20K7P60(5)_2	0.00	0.00		9.00	7	
N20K7P60(5)_3 N20K7P60(5)_4	0.00	0.00	18.00	9.00	7	6
N20K7P60(5)_5	0.00	0.00	18.00	9.00	6	6
N20K7P60(5)_6	0.00	0.00	18.00	9.00	7	7
N20K7P60(5)_7	0.00	0.00	19.00	9.00	7	7
N20K7P60(5)_8	0.00	0.00	19.00	9.00	6	7
N20K7P60(5)_9	0.00	0.00	17.00	9.00	7	. 7
N20K7P60(5)_10	0.00	0.00	20.00	9.00	7	7
N20K7P60(6)_1	0.00	0.00	19.00	19.00	34	36
N20K7P60(6)_2	0.00	0.00	19.00	18.00	29	64
N20K7P60(6)_3	0.00	0.00	20.00	20.00	112	31
N20K7P60(6)_4	0.00	0.00	19.00	19.00	177	60
N20K7P60(6)_5	0.00	0.00	19.00	19.00	113	45
N20K7P60(6)_6	0.00	0.00	20.00	17.00	185	50
N20K7P60(6)_7	0.00	0.00	18.00	19.00	172	50
N20K7P60(6)_8	0.00	0.00	18.00	19.00	98	40
N20K7P60(6)_9	0.00	0.00	19.00	17.00	43	69
N20K7P60(6)_10	0.00	0.00	20.00	13.00	48	46
N20K7P60(7)_1	0.00	0.00	17.00	18.00	22	34
N20K7P60(7)_2	0.00	0.00	18.00	19.00	7	18
N20K7P60(7)_3	0.00	0.00	20.00	19.00	23	13
N20K7P60(7)_4	0.00	0.00	20.00	18.00	7	23
N20K7P60(7)_5	0.00	0.00	20.00	16.00	22	24
1NZUIX/FUU(/)_J	0.00	0.00	20.00	10.00	22	24

N20K7P60(7).7		Total lo	ss value	Number	of active MDs	Time	(ms)
N20K7P60(7).8	Instance_#Run	GA	GGA	GA	GGA		GGA
N20K7P60(7), 8	N20K7P60(7)_7	0.00	0.00	17.00	20.00	12	7
N20K7P60(7).9		0.00	0.00	20.00	18.00	12	8
N20K7P60(8).1	. ,	0.00	0.00	18.00	17.00	8	23
N20K7P60(8).1	* *						
N20K7P60(8).2	3.7	0.00	0.00	19.00	11.00	12	7
N20K7P60(8).4	` '	0.00	0.00	20.00	11.00	44	7
N20K7P60(8).5	N20K7P60(8)_3	0.00	0.00	16.00	11.00	62	7
N20K7P60(8).6	. ,	0.00	0.00	17.00	11.00	53	7
N20K7P60(8).7	N20K7P60(8)_5	0.00	0.00	19.00	11.00	20	7
N20K7P60(8).8 0.00 0.00 20.00 11.00 11 7 N20K7P60(8).9 0.00 0.00 20.00 11.00 11 7 N20K7P60(8).10 0.00 0.00 19.00 11.00 34 6 N20K7P60(9).1 0.00 0.00 19.00 19.00 294 217 N20K7P60(9).2 0.00 0.00 18.00 19.00 652 360 N20K7P60(9).3 0.00 0.00 19.00 20.00 420 242 N20K7P60(9).4 0.00 0.00 17.00 19.00 373 188 N20K7P60(9).5 0.00 0.00 20.00 19.00 373 188 N20K7P60(9).6 0.00 0.00 20.00 19.00 339 165 N20K7P60(9).7 0.00 0.00 16.00 19.00 352 377 N20K7P60(9).8 0.00 0.00 16.00 19.00 352 377 N20K7P60(9).9 0.00 0.00 18.00 19.00 743 122 N20K7P60(9).9 0.00 0.00 18.00 17.00 799 242 N20K7P60(10).1 0.00 0.00 18.00 17.00 78 N20K7P60(10).2 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).3 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).4 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).5 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).8 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).8 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).9 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).9 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).1 0.00 0.00 18.00 17.00 7 7 N20K7P70(1).1 0.00 0.00 0.00 18.00 17.00 11 7 N20K7P70(1).3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	N20K7P60(8)_6			20.00		21	7
N20K7P60(8).9 0.00 0.00 11.00 11 7 N20K7P60(8).10 0.00 0.00 19.00 11.00 34 6 N20K7P60(9).1 0.00 0.00 19.00 19.00 19.00 294 217 N20K7P60(9).2 0.00 0.00 18.00 19.00 652 360 N20K7P60(9).3 0.00 0.00 18.00 19.00 20.00 420 242 N20K7P60(9).4 0.00 0.00 17.00 19.00 1576 177 N20K7P60(9).5 0.00 0.00 20.00 19.00 373 188 N20K7P60(9).6 0.00 0.00 20.00 19.00 339 165 N20K7P60(9).7 0.00 0.00 19.00 17.00 352 377 N20K7P60(9).8 0.00 0.00 19.00 17.00 352 377 N20K7P60(9).9 0.00 0.00 18.00 19.00 799 242 N20K7P60(9).10 0.00 0.00 20.00 19.00 733 122 N20K7P60(9).11 0.00 0.00 20.00 19.00 733 122 N20K7P60(10).1 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).2 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).3 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).4 0.00 0.00 20.00 17.00 7 8 N20K7P60(10).5 0.00 0.00 20.00 17.00 7 8 N20K7P60(10).5 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).5 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).7 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).8 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).8 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).9 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).1 0.00 0.00 18.00 0.00 17.00 10 1 7 N20K7P70(1).1 0.00	N20K7P60(8)_7	0.00	0.00	18.00	11.00	39	7
N20K7P60(8).10	. ,	0.00	0.00	20.00		20	
N20K7P60(9).1	. ,	0.00	0.00	20.00	11.00	11	7
N20K7P60(9).1	. , ,	0.00	0.00	19.00	11.00	34	6
N20K7P60(9).2	. ,			19.00			
N20K7P60(9).3			0.00				
N20K7P60(9).4			0.00				
N20K7P60(9).5	` '						
N20K7P60(9).6	` /						
N20K7P60(9).7 0.00 0.00 19.00 17.00 352 377 N20K7P60(9).8 0.00 0.00 16.00 19.00 408 356 N20K7P60(9).9 0.00 0.00 18.00 19.00 799 242 N20K7P60(9).10 0.00 0.00 20.00 19.00 743 122 N20K7P60(10).1 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).2 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).3 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).4 0.00 0.00 20.00 17.00 7 8 N20K7P60(10).5 0.00 0.00 20.00 17.00 7 8 N20K7P60(10).6 0.00 0.00 20.00 17.00 7 7 N20K7P60(10).7 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).8 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).9 0.00 0.00 18.00 17.00 7 8 N20K7P60(10).10 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).2 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).3 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).8 0.00 0.00 18.00 17.00 7 7 N20K7P60(10).9 0.00 0.00 16.00 17.00 7 7 N20K7P60(10).10 0.00 0.00 16.00 17.00 13 8 8 8 N20K7P70(1).1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1).2 0.00 0.00 18.00 8.00 39 7 N20K7P70(1).4 0.00 0.00 18.00 8.00 45 7 N20K7P70(1).5 0.00 0.00 18.00 8.00 49 8 N20K7P70(1).6 0.00 0.00 18.00 8.00 49 8 N20K7P70(1).6 0.00 0.00 19.00 8.00 49 7 N20K7P70(1).6 0.00 0.00 0.00 19.00 8.00 40 8 N20K7P70(1).10 0.00 0.00 0.00 19.00 8.00 40 8 N20K7P70(1).10 0.00 0.00 19.00 8.00 40 8 N20K7P70(1).10 0.00 0.00 19.00 8.00 7.00 11 7 N20K7P70(2).2 0.00 0.00 19.00 7.00 11 7 N20K7P70(2).3 0.00 0.00 18.00 7.00 11 7 N20K7P70(2).4 0.00 0.00 18.00 7.00 16 6							
N20K7P60(9).8	` '						
N20K7P60(9)_9 0.00 0.00 18.00 19.00 799 242 N20K7P60(9)_10 0.00 0.00 20.00 19.00 743 122 N20K7P60(10)_1 0.00 0.00 18.00 17.00 7 8 N20K7P60(10)_2 0.00 0.00 18.00 17.00 7 7 N20K7P60(10)_3 0.00 0.00 18.00 17.00 8 8 N20K7P60(10)_4 0.00 0.00 20.00 17.00 7 8 N20K7P60(10)_4 0.00 0.00 20.00 17.00 7 8 N20K7P60(10)_5 0.00 0.00 20.00 17.00 17 8 N20K7P60(10)_5 0.00 0.00 20.00 17.00 7 7 N20K7P60(10)_6 0.00 0.00 18.00 17.00 7 7 N20K7P60(10)_8 0.00 0.00 18.00 17.00 7 8 N20K7P60(10)_8 0.00 0.00 18.00 17.00 7 8 N20K7P60(10)_9 0.00 0.00 18.00 17.00 7 7 N20K7P60(10)_9 0.00 0.00 18.00 15.00 8 8 N20K7P60(10)_10 0.00 0.00 16.00 17.00 7 7 N20K7P60(10)_11 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_2 0.00 0.00 19.00 8.00 39 7 N20K7P70(1)_4 0.00 0.00 18.00 8.00 45 7 N20K7P70(1)_5 0.00 0.00 18.00 8.00 49 8 N20K7P70(1)_5 0.00 0.00 18.00 8.00 49 8 N20K7P70(1)_8 0.00 0.00 17.00 8.00 111 7 N20K7P70(1)_8 0.00 0.00 20.00 8.00 49 8 N20K7P70(1)_8 0.00 0.00 20.00 8.00 49 7 N20K7P70(1)_9 0.00 0.00 20.00 8.00 40 8 N20K7P70(1)_9 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_1 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_1 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_1 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_2 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_1 0.00 0.00 20.00 7.00 11 7 N20K7P70(2)_6 0.00 0.00 20.00 7.00 11 7 N20K7P70(2)_6 0.00 0.00 20.00 7.00 16 6 N20K7P70(2)_6 0.00 0.00 20.00 7.00 6 7 N20K7P70(2)_8 0.00 0.00 18.00 7.00 6 7 N20K7P70(2)_8 0.00 0.00 18.00 7.00 6 7 N20K7P70(2)_8 0.00 0.00 18.00 7.00 6 7 N20K7P70(2)_8 0.00	. ,						
N20K7P60(9)_10	. ,						
N20K7P60(10)_1	. ,						
N20K7P60(10)_2	3.7						
N20K7P60(10)_3	,						
N20K7P60(10)_4	3 7						
N20K7P60(10)_5 0.00 0.00 20.00 17.00 17 8 N20K7P60(10)_6 0.00 0.00 18.00 17.00 7 7 N20K7P60(10)_7 0.00 0.00 18.00 17.00 7 8 N20K7P60(10)_8 0.00 0.00 18.00 15.00 8 8 N20K7P60(10)_9 0.00 0.00 20.00 17.00 7 7 N20K7P60(10)_10 0.00 0.00 16.00 17.00 13 8 N20K7P70(1)_1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_2 0.00 0.00 19.00 8.00 39 7 N20K7P70(1)_3 0.00 0.00 18.00 8.00 45 7 N20K7P70(1)_4 0.00 0.00 18.00 8.00 16 7 N20K7P70(1)_5 0.00 0.00 17.00 8.00 111 7 N20K7P70(1)_8 0.00 0.	3 7						
N20K7P60(10)_6 0.00 0.00 18.00 17.00 7 7 N20K7P60(10)_7 0.00 0.00 18.00 17.00 7 8 N20K7P60(10)_8 0.00 0.00 18.00 15.00 8 8 N20K7P60(10)_9 0.00 0.00 20.00 17.00 7 7 N20K7P60(10)_10 0.00 0.00 16.00 17.00 13 8 N20K7P70(1)_1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_2 0.00 0.00 19.00 8.00 39 7 N20K7P70(1)_3 0.00 0.00 18.00 8.00 45 7 N20K7P70(1)_4 0.00 0.00 18.00 8.00 49 8 N20K7P70(1)_5 0.00 0.00 17.00 8.00 111 7 N20K7P70(1)_8 0.00 0.00 20.00 8.00 49 7 N20K7P70(1)_9 0.00 0.00							
N20K7P60(10)7							
N20K7P60(10)_8 0.00 0.00 18.00 15.00 8 8 N20K7P60(10)_9 0.00 0.00 20.00 17.00 7 7 N20K7P60(10)_10 0.00 0.00 16.00 17.00 13 8 N20K7P70(1)_1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_2 0.00 0.00 19.00 8.00 39 7 N20K7P70(1)_3 0.00 0.00 18.00 8.00 45 7 N20K7P70(1)_4 0.00 0.00 20.00 8.00 16 7 N20K7P70(1)_5 0.00 0.00 18.00 8.00 49 8 N20K7P70(1)_6 0.00 0.00 17.00 8.00 111 7 N20K7P70(1)_8 0.00 0.00 20.00 8.00 49 7 N20K7P70(1)_9 0.00 0.00 19.00 8.00 73 7 N20K7P70(2)_1 0.00 0.00 </td <td>` '</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	` '						
N20K7P60(10)_9 0.00 0.00 20.00 17.00 7 7 N20K7P60(10)_10 0.00 0.00 16.00 17.00 13 8 N20K7P70(1)_1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_2 0.00 0.00 19.00 8.00 39 7 N20K7P70(1)_3 0.00 0.00 18.00 8.00 45 7 N20K7P70(1)_4 0.00 0.00 20.00 8.00 16 7 N20K7P70(1)_5 0.00 0.00 17.00 8.00 49 8 N20K7P70(1)_6 0.00 0.00 20.00 8.00 49 7 N20K7P70(1)_8 0.00 0.00 20.00 8.00 50 7 N20K7P70(1)_9 0.00 0.00 19.00 8.00 73 7 N20K7P70(2)_1 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_2 0.00 0.00 <td>` /</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	` /						
N20K7P60(10)_10 0.00 0.00 16.00 17.00 13 8 N20K7P70(1)_1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_2 0.00 0.00 19.00 8.00 39 7 N20K7P70(1)_3 0.00 0.00 18.00 8.00 45 7 N20K7P70(1)_4 0.00 0.00 20.00 8.00 16 7 N20K7P70(1)_5 0.00 0.00 18.00 8.00 49 8 N20K7P70(1)_6 0.00 0.00 17.00 8.00 111 7 N20K7P70(1)_1 0.00 0.00 20.00 8.00 49 7 N20K7P70(1)_8 0.00 0.00 20.00 8.00 50 7 N20K7P70(1)_9 0.00 0.00 19.00 8.00 40 8 N20K7P70(2)_1 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_2 0.00 0.00 <td>` ,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	` ,						
N20K7P70(1)_1 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_2 0.00 0.00 19.00 8.00 39 7 N20K7P70(1)_3 0.00 0.00 18.00 8.00 45 7 N20K7P70(1)_4 0.00 0.00 20.00 8.00 16 7 N20K7P70(1)_5 0.00 0.00 18.00 8.00 49 8 N20K7P70(1)_6 0.00 0.00 17.00 8.00 111 7 N20K7P70(1)_7 0.00 0.00 20.00 8.00 49 7 N20K7P70(1)_8 0.00 0.00 20.00 8.00 49 7 N20K7P70(1)_9 0.00 0.00 19.00 8.00 73 7 N20K7P70(1)_10 0.00 0.00 20.00 8.00 40 8 N20K7P70(2)_1 0.00 0.00 19.00 7.00 11 7 N20K7P70(2)_2 0.00 0.00	` '						
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N20K7P70(2)_8 0.00 0.00 18.00 7.00 6 7	. ,						
N20K7P70(2)_9 0.00 0.00 20.00 7.00 7	. ,						
N20K7P70(2)_10							
N20K7P70(3)_1	3.7						
N20K7P70(3)_2 0.00 0.00 17.00 7.00 6 7							
N20K7P70(3)_3							

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K7P70(3)_4	0.00	0.00	17.00	7.00	7	8
N20K7P70(3)_5	0.00	0.00	17.00	7.00	6	7
N20K7P70(3)_6	0.00	0.00	17.00	7.00	7	7
N20K7P70(3)_7	0.00	0.00	20.00	7.00	7	7
N20K7P70(3)_8	0.00	0.00	17.00	7.00	11	7
N20K7P70(3)_9	0.00	0.00	20.00	7.00	7	7
N20K7P70(3)_10	0.00	0.00	17.00	7.00	6	7
N20K7P70(4)_1	0.00	0.00	20.00	11.00	13	8
N20K7P70(4)_2	0.00	0.00	20.00	11.00	29	7
N20K7P70(4)_3	0.00	0.00	20.00	11.00	24	7
N20K7P70(4)_4	0.00	0.00	20.00	11.00	18	8
N20K7P70(4)_5	0.00	0.00	18.00	11.00	18	8
N20K7P70(4)_6	0.00	0.00	19.00	11.00	34	8
N20K7P70(4)_7	0.00	0.00	19.00	11.00	34	7
N20K7P70(4)_8	0.00	0.00	19.00	11.00	12	8
N20K7P70(4)_9	0.00	0.00	19.00	11.00	28	8
N20K7P70(4)_10	0.00	0.00	19.00	11.00	18	8
N20K7P70(5)_1	0.00	0.00	19.00	11.00	29	7
N20K7P70(5)_2	0.00	0.00	19.00	11.00	6	7
N20K7P70(5)_3	0.00	0.00	15.00	11.00	25	7
N20K7P70(5)_4	0.00	0.00	20.00	11.00	26	7
N20K7P70(5)_5	0.00	0.00	18.00	11.00	21	7
N20K7P70(5)_6	0.00	0.00	20.00	11.00	45	7
N20K7P70(5)_7	0.00	0.00	17.00	11.00	16	7
N20K7P70(5)_8	0.00	0.00	17.00	11.00	39	7
N20K7P70(5)_9	0.00	0.00	20.00	11.00	25	7
N20K7P70(5)_10	0.00	0.00	20.00	11.00	11	7
N20K7P70(6)_1	0.00	0.00	20.00	19.00	510	288
N20K7P70(6)_2	0.03	0.00	17.00	16.00	1446	1407
N20K7P70(6)_3	0.00	0.01	20.00	14.00	912	1170
N20K7P70(6)_4	0.00	0.00	18.00	20.00	345	98 315
N20K7P70(6)_5	0.00	0.00	19.00	20.00	411 309	
N20K7P70(6)_6	0.00	0.00		18.00		836
N20K7P70(6)_7 N20K7P70(6)_8	0.00	0.00 0.00	20.00	15.00 16.00	240 453	203 1003
N20K7P70(6)_8 N20K7P70(6)_9	0.00	0.00	18.00	16.00	905	165
N20K7P70(6)_9	0.00	0.00	20.00	17.00	191	363
N20K7P70(7)_1	0.00	0.00	19.00	18.00	132	77
N20K7P70(7)_2	0.00	0.00	20.00	19.00	69	66
N20K7P70(7)_3	0.00	0.00	20.00	18.00	135	87
N20K7F70(7)_4	0.00	0.00	19.00	18.00	67	123
N20K7P70(7)_5	0.00	0.00	19.00	20.00	42	61
N20K7P70(7)_6	0.00	0.00	18.00	17.00	58	7
N20K7P70(7)_7	0.00	0.00	17.00	20.00	72	161
N20K7P70(7)_8	0.00	0.00	20.00	19.00	128	87
N20K7P70(7)_9	0.00	0.00	19.00	19.00	59	83
N20K7P70(7)_10	0.00	0.00	20.00	19.00	48	45
N20K7P70(8)_1	0.00	0.00	19.00	15.00	235	67
N20K7P70(8)_2	0.00	0.00	18.00	13.00	205	44
N20K7P70(8)_3	0.00	0.00	20.00	16.00	260	41
N20K7P70(8)_4	0.00	0.00	20.00	19.00	184	68
N20K7P70(8)_5	0.00	0.00	20.00	19.00	383	74
N20K7P70(8)_6	0.00	0.00	19.00	19.00	118	56
N20K7P70(8)_7	0.00	0.00	19.00	20.00	182	16
N20K7P70(8)_8	0.00	0.00	19.00	18.00	235	40
N20K7P70(8)_9	0.00	0.00	19.00	17.00	220	50
N20K7P70(8)_10	0.00	0.00	19.00	15.00	282	36

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K7P70(9)_1	0.11	0.13	19.00	18.00	1946	1477
N20K7P70(9)_2	0.06	0.11	19.00	18.00	2306	1749
N20K7P70(9)_3	0.11	0.06	18.00	20.00	1664	2369
N20K7P70(9)_4	0.11	0.03	20.00	18.00	3162	1365
N20K7P70(9)_5	0.14	0.03	18.00	19.00	2717	1806
N20K7P70(9)_6	0.12	0.04	18.00	19.00	2597	1859
N20K7P70(9)_7	0.03	0.04	19.00	18.00	2948	1800
N20K7P70(9)_8	0.13	0.12	20.00	18.00	4021	1658
N20K7P70(9)_9	0.02	0.03	19.00	19.00	1775	$\frac{1058}{1550}$
N20K7P70(9)_9	0.09	0.04	18.00	18.00	1744	$\frac{1330}{1793}$
. ,						
N20K7P70(10)_1	0.00	0.00	18.00	20.00	58	29
N20K7P70(10)_2	0.00	0.00	19.00	15.00	18	29
N20K7P70(10)_3	0.00	0.00	20.00	20.00	27	7
N20K7P70(10)_4	0.00	0.00	19.00	20.00	22	72
N20K7P70(10)_5	0.00	0.00	19.00	18.00	23	30
N20K7P70(10)_6	0.00	0.00	20.00	19.00	33	18
N20K7P70(10)_7	0.00	0.00	17.00	15.00	59	57
N20K7P70(10)_8	0.00	0.00	20.00	15.00	7	57
N20K7P70(10)_9	0.00	0.00	18.00	20.00	63	23
N20K7P70(10)_10	0.00	0.00	19.00	16.00	69	40
N20K7P80(1)_1	0.00	0.00	20.00	8.00	77	7
N20K7P80(1)_2	0.00	0.00	19.00	8.00	45	7
N20K7P80(1)_3	0.00	0.00	20.00	8.00	67	6
N20K7P80(1)_4	0.00	0.00	19.00	8.00	16	8
N20K7P80(1)_5	0.00	0.00	19.00	8.00	49	7
N20K7P80(1)_6	0.00	0.00	17.00	8.00	73	7
N20K7P80(1)_7	0.00	0.00	17.00	8.00	39	7
N20K7P80(1)_8	0.00	0.00	19.00	8.00	87	7
N20K7P80(1)_9	0.00	0.00	20.00	8.00	82	7
N20K7P80(1)_10	0.00	0.00	18.00	8.00	77	7
N20K7P80(2)_1	0.00	0.00	19.00	7.00	16	7
N20K7P80(2)_2	0.00	0.00	20.00	7.00	26	7
N20K7P80(2)_3	0.00	0.00	20.00	7.00	12	7
N20K7P80(2)_4	0.00	0.00	19.00	7.00	30	7
N20K7P80(2)_5	0.00	0.00	20.00	7.00	39	7
N20K7P80(2)_6	0.00	0.00	19.00	7.00	45	7
N20K7P80(2)_7	0.00	0.00	19.00	7.00	26	7
N20K7P80(2)_8	0.00	0.00	19.00	7.00	29	7
N20K7P80(2)_9	0.00	0.00	20.00	7.00	11	7
N20K7P80(2)_10	0.00	0.00	20.00	7.00	30	7
N20K7P80(3)_1	0.00	0.00	18.00	7.00	6	8
N20K7P80(3)_2	0.00	0.00	19.00	7.00	7	7
N20K7P80(3)_3	0.00	0.00	17.00	7.00	7	7
N20K7P80(3)_4	0.00	0.00	20.00	7.00	12	7
N20K7P80(3)_5	0.00	0.00	20.00	7.00	7	7
N20K7P80(3)_6	0.00	0.00	19.00	7.00	11	8
N20K7P80(3)_7	0.00	0.00	17.00	7.00	16	7
N20K7P80(3)_8	0.00	0.00	14.00	7.00	7	7
N20K7P80(3)_9	0.00	0.00	20.00	7.00	7	7
N20K7P80(3)_9 N20K7P80(3)_10	0.00	0.00	15.00	7.00	6	$\frac{7}{7}$
, ,			19.00			
N20K7P80(4)_1	0.00	0.00		16.00	29	9
N20K7P80(4)_2	0.00	0.00	19.00	16.00	24	7
N20K7P80(4)_3	0.00	0.00	18.00	16.00	77	8
N20K7P80(4)_4	0.00	0.00	20.00	16.00	89	8
N20K7P80(4)_5	0.00	0.00	20.00	16.00	148	8
N20K7P80(4)_6	0.00	0.00	20.00	16.00	29	7
N20K7P80(4)_7	0.00	0.00	19.00	16.00	99	8

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K7P80(4)_8	0.00	0.00	20.00	16.00	79	8
N20K7P80(4)_9	0.00	0.00	20.00	16.00	82	8
N20K7P80(4)_10	0.00	0.00	17.00	16.00	104	8
N20K7P80(5)_1	0.00	0.00	20.00	19.00	48	55
N20K7P80(5)_2	0.00	0.00	19.00	19.00	16	17
N20K7P80(5)_3	0.00	0.00	20.00	20.00	62	17
N20K7P80(5)_4	0.00	0.00	19.00	17.00	21	21
N20K7P80(5)_5	0.00	0.00	19.00	20.00	103	46
N20K7P80(5)_6	0.00	0.00	20.00	15.00	30	50
N20K7P80(5)_7	0.00	0.00	19.00	19.00	6	65
N20K7P80(5)_8	0.00	0.00	20.00	19.00	61	32
N20K7P80(5)_9	0.00	0.00	18.00	18.00	67	46
N20K7P80(5)_10	0.00	0.00	19.00	18.00	44	51
N20K7P80(6) ₋ 1	0.09	0.09	16.00	18.00	1307	1470
N20K7P80(6)_2	0.10	0.09	18.00	12.00	2319	1359
N20K7P80(6)_3	0.15	0.15	17.00	17.00	2147	1323
N20K7P80(6)_4	0.03	0.03	17.00	18.00	1261	1765
N20K7P80(6)_5	0.09	0.09	19.00	12.00	1798	1226
N20K7P80(6)_6	0.03	0.09	16.00	17.00	1739	1161
N20K7P80(6)_7	0.03	0.07	17.00	16.00	2199	1605
N20K7P80(6)_8	0.03	0.09	19.00	11.00	1436	1149
N20K7P80(6)_9	0.08	0.09	18.00	18.00	1798	1226
N20K7P80(6)_10	0.09	0.15	17.00	17.00	1502	1350
N20K7P80(7)_1	0.00	0.00	15.00	18.00	644	229
N20K7P80(7)_2	0.00	0.00	19.00	16.00	183	101
N20K7P80(7)_3	0.00	0.00	17.00	17.00	231	265
N20K7P80(7)_4	0.00	0.00	20.00	20.00	249	410
N20K7P80(7)_5	0.00	0.00	18.00	18.00	93	315
N20K7P80(7)_6	0.00	0.00	15.00	17.00	241	200
N20K7P80(7)_7 N20K7P80(7)_8	0.00	0.00	20.00	20.00	278 377	161 174
N20K7P80(7)_9	0.00	0.00	19.00	16.00	209	243
N20K7P80(7)_10	0.00	0.00	18.00	19.00	178	239
N20K7P80(8)_1	0.00	0.00	20.00	16.00	1714	$\frac{239}{1531}$
N20K7P80(8)_2	0.00	0.05	19.00	16.00	1661	1146
N20K7P80(8)_3	0.00	0.03	18.00	19.00	1594	1562
N20K7P80(8)_4	0.01	0.01	20.00	20.00	1368	1349
N20K7P80(8)_5	0.01	0.01	17.00	16.00	1402	1362
N20K7P80(8)_6	0.05	0.05	18.00	13.00	1244	1289
N20K7P80(8)_7	0.05	0.01	18.00	15.00	1391	1461
N20K7P80(8)_8	0.14	0.01	19.00	14.00	1222	2028
N20K7P80(8)_9	0.01	0.01	19.00	15.00	1431	1857
N20K7P80(8)_10	0.01	0.01	18.00	16.00	2208	1374
N20K7P80(9)_1	0.34	0.44	18.00	19.00	2602	3155
N20K7P80(9)_2	0.35	0.50	20.00	18.00	2675	1631
N20K7P80(9)_3	0.34	0.39	19.00	19.00	2604	3105
N20K7P80(9)_4	0.43	0.38	17.00	19.00	2065	2328
N20K7P80(9)_5	0.34	0.34	20.00	20.00	2670	2118
N20K7P80(9)_6	0.34	0.36	20.00	20.00	2205	1918
N20K7P80(9)_7	0.34	0.34	20.00	20.00	3995	1786
N20K7P80(9)_8	0.44	0.36	20.00	19.00	1906	2001
N20K7P80(9)_9	0.38	0.34	20.00	20.00	2219	1962
N20K7P80(9)_10	0.34	0.34	20.00	19.00	2107	2024
N20K7P80(10)_1	0.00	0.00	20.00	19.00	54	84
N20K7P80(10)_2	0.00	0.00	17.00	18.00	100	115
N20K7P80(10)_3	0.00	0.00	19.00	19.00	145	67
N20K7P80(10)_4	0.00	0.00	16.00	16.00	80	88

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K7P80(10)_5	0.00	0.00	19.00	19.00	94	100
N20K7P80(10)_6	0.00	0.00	18.00	16.00	80	78
N20K7P80(10)_7	0.00	0.00	20.00	20.00	85	115
N20K7P80(10)_8	0.00	0.00	19.00	20.00	110	89
N20K7P80(10)_9	0.00	0.00	20.00	20.00	33	51
N20K7P80(10)_10	0.00	0.00	19.00	19.00	103	83
N20K10P50(1)_1	0.00	0.00	20.00	16.00	204	47
N20K10P50(1)_2	0.00	0.00	20.00	19.00	137	57
N20K10P50(1)_3	0.00	0.00	17.00	18.00	70	88
N20K10P50(1)_4	0.00	0.00	18.00	18.00	210	64
N20K10P50(1)_5	0.00	0.00	19.00	18.00	116	88
N20K10P50(1)_6	0.00	0.00	18.00	20.00	110	50
N20K10P50(1) ₋ 7	0.00	0.00	19.00	15.00	106	88
N20K10P50(1)_8	0.00	0.00	19.00	19.00	64	29
N20K10P50(1)_9	0.00	0.00	19.00	20.00	142	105
N20K10P50(1)_10	0.00	0.00	16.00	15.00	335	83
N20K10P50(2)_1	0.00	0.00	17.00	10.00	8	7
N20K10P50(2)_2	0.00	0.00	18.00	10.00	7	9
N20K10P50(2)_3	0.00	0.00	18.00	10.00	7	8
N20K10P50(2)_4	0.00	0.00	18.00	10.00	7	8
N20K10P50(2)_5	0.00	0.00	17.00	10.00	7	8
N20K10P50(2)_6	0.00	0.00	17.00	10.00	8	7
N20K10P50(2)_7	0.00	0.00	18.00	10.00	7	7
N20K10P50(2)_8	0.00	0.00	19.00	10.00	8	7
N20K10P50(2)_9	0.00	0.00	18.00	10.00	7	8
N20K10P50(2)_10	0.00	0.00	16.00	10.00	7	8
N20K10P50(3)_1	0.00	0.00	16.00	10.00	7	7
N20K10P50(3)_2	0.00	0.00	15.00	10.00	8	8
N20K10P50(3)_3	0.00	0.00	16.00	10.00	8	8
N20K10P50(3)_4	0.00	0.00	16.00	10.00	7	8
N20K10P50(3)_5	0.00	0.00	17.00	10.00	8	8
N20K10P50(3)_6	0.00	0.00	16.00	10.00	8	8
N20K10P50(3)_7	0.00	0.00	16.00	10.00	7	8
N20K10P50(3)_8	0.00	0.00	16.00	10.00	7	8
N20K10P50(3)_9	0.00	0.00	17.00	10.00	8	7
N20K10P50(3)_10	0.00	0.00	15.00	10.00	7	8
N20K10P50(4)_1	0.00	0.00	19.00	10.00	9	9
N20K10P50(4)_2	0.00	0.00	17.00	10.00	8	8
N20K10P50(4)_3	0.00	0.00	19.00	10.00	9	9
N20K10P50(4)_4 N20K10P50(4)_5	0.00	0.00	18.00	10.00	8	9
N20K10P50(4)_5 N20K10P50(4)_6	0.00	0.00	17.00 20.00	10.00	8	9
N20K10P50(4)_6 N20K10P50(4)_7	0.00	0.00	19.00	10.00	8	8
N20K10P50(4)_7 N20K10P50(4)_8	0.00	0.00	19.00	10.00	8	9
N20K10P50(4)_8 N20K10P50(4)_9	0.00	0.00	20.00	10.00	9	9
N20K10P50(4)_9 N20K10P50(4)_10	0.00	0.00	20.00	10.00	8	9
N20K10P50(4)_10	0.00	0.00	20.00	11.00	8	8
N20K10P50(5)_1 N20K10P50(5)_2	0.00	0.00	20.00	11.00	13	8
N20K10P50(5)_2 N20K10P50(5)_3	0.00	0.00	19.00	11.00	23	8
N20K10P50(5)_5 N20K10P50(5)_4	0.00	0.00	19.00	11.00	$\frac{23}{12}$	8
N20K10F50(5)_5	0.00	0.00	19.00	11.00	34	7
N20K10P50(5)_6	0.00	0.00	17.00	11.00	7	8
N20K10P50(5)_7	0.00	0.00	20.00	11.00	28	8
N20K10P50(5)_8	0.00	0.00	20.00	11.00	28	8
N20K10P50(5)_9	0.00	0.00	20.00	11.00	$\frac{20}{12}$	8
N20K10P50(5)_10	0.00	0.00	20.00	11.00	28	8
N20K10P50(6)_1	0.00	0.00	18.00	18.00	87	37
112011101 30(0)_1	1 0.00	0.00	10.00	10.00	01	91

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K10P50(6)_2	0.00	0.00	18.00	16.00	180	74
N20K10P50(6)_3	0.00	0.00	20.00	15.00	199	42
N20K10P50(6)_4	0.00	0.00	17.00	20.00	230	48
N20K10P50(6)_5	0.00	0.00	19.00	19.00	60	32
N20K10P50(6)_6	0.00	0.00	18.00	19.00	193	92
N20K10P50(6)_7	0.00	0.00	18.00	15.00	303	67
N20K10P50(6)_8	0.00	0.00	19.00	19.00	146	49
N20K10P50(6)_9	0.00	0.00	19.00	18.00	123	38
N20K10P50(6)_10	0.00	0.00	19.00	20.00	180	37
N20K10P50(7)_1	0.00	0.00	20.00	12.00	58	8
N20K10P50(7)_2	0.00	0.00	19.00	12.00	58	9
N20K10P50(7)_3	0.00	0.00	19.00	12.00	42	8
N20K10P50(7)_4	0.00	0.00	19.00	12.00	47	9
N20K10P50(7)_5	0.00	0.00	19.00	12.00	36	8
N20K10P50(7)_6	0.00	0.00	17.00	12.00	36	8
N20K10P50(7)_7	0.00	0.00	19.00	12.00	25	9
N20K10P50(7)_8	0.00	0.00	19.00	12.00	91	8
N20K10P50(7)_9	0.00	0.00	19.00	12.00	47	8
N20K10P50(7)_10	0.00	0.00	16.00	12.00	47	9
N20K10P50(8)_1	0.00	0.00	20.00	18.00	116	105
N20K10P50(8)_2	0.00	0.00	19.00	19.00	99	186
N20K10P50(8)_3	0.00	0.00	19.00	15.00	139	288
N20K10P50(8)_4	0.00	0.00	18.00	12.00	225	90
N20K10P50(8)_5	0.00	0.00	17.00	19.00	170	124
N20K10P50(8)_6	0.00	0.00	17.00	15.00	105	336
N20K10P50(8)_7	0.00	0.00	19.00	15.00	185	263
N20K10P50(8)_8	0.00	0.00	18.00	17.00	121	133
N20K10P50(8)_9	0.00	0.00	20.00	19.00	264	102
N20K10P50(8)_10	0.00	0.00	20.00	17.00	210	144
N20K10P50(9)_1	0.14	0.15	19.00	17.00	3063	3159
N20K10P50(9)_2	0.12	0.10	19.00	18.00	2584	2515
N20K10P50(9)_3	0.10	0.16	19.00	18.00	2919	2102
N20K10P50(9)_4	0.09	0.17	19.00	19.00	2710	2252
N20K10P50(9)_5	0.13	0.09	19.00	20.00	2633	3573
N20K10P50(9)_6	0.09	0.08	19.00	19.00	1748 2249	3447
N20K10P50(9)_7 N20K10P50(9)_8	0.15	0.09 0.16	18.00	20.00	1897	2216 2269
N20K10P50(9)_8 N20K10P50(9)_9	0.26	0.10	20.00	18.00	1697	2158
N20K10P50(9)_9	0.20	0.14	19.00	17.00	2036	2870
N20K10P50(10)_1	0.18	0.00	20.00	11.00	13	8
N20K10P50(10)_2	0.00	0.00	16.00	11.00	28	8
N20K10P50(10)_3	0.00	0.00	20.00	11.00	13	8
N20K10P50(10)_4	0.00	0.00	20.00	11.00	18	8
N20K10P50(10)_5	0.00	0.00	16.00	11.00	24	9
N20K10P50(10)_6	0.00	0.00	19.00	11.00	13	8
N20K10P50(10)_7	0.00	0.00	18.00	11.00	13	8
N20K10P50(10)_8	0.00	0.00	17.00	11.00	34	8
N20K10P50(10)_9	0.00	0.00	20.00	11.00	13	8
N20K10P50(10)_10	0.00	0.00	19.00	11.00	24	8
N20K10P60(1)_1	0.00	0.00	19.00	20.00	338	179
N20K10P60(1)_2	0.00	0.00	17.00	18.00	1510	99
N20K10P60(1)_3	0.00	0.00	20.00	19.00	458	280
N20K10P60(1)_4	0.00	0.00	19.00	19.00	692	185
N20K10P60(1)_5	0.00	0.00	18.00	19.00	910	105
N20K10P60(1)_6	0.00	0.00	20.00	18.00	696	136
N20K10P60(1)_7	0.00	0.00	18.00	18.00	652	195
N20K10P60(1)_8	0.03	0.00	16.00	20.00	1755	173

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K10P60(1)_9	0.03	0.00	17.00	20.00	1599	211
N20K10P60(1)_10	0.00	0.00	19.00	19.00	686	148
N20K10P60(2)_1	0.00	0.00	18.00	11.00	121	8
N20K10P60(2)_2	0.00	0.00	19.00	11.00	29	8
N20K10P60(2)_3	0.00	0.00	20.00	11.00	33	8
N20K10P60(2)_4	0.00	0.00	19.00	11.00	173	8
N20K10P60(2)_5	0.00	0.00	20.00	11.00	121	7
N20K10P60(2)_6	0.00	0.00	18.00	11.00	89	8
N20K10P60(2)_7	0.00	0.00	19.00	11.00	158	8
N20K10P60(2)_8	0.00	0.00	20.00	11.00	28	8
N20K10P60(2)_9	0.00	0.00	20.00	11.00	90	8
N20K10P60(2)_10	0.00	0.00	20.00	11.00	22	8
N20K10P60(3)_1	0.00	0.00	18.00	10.00	40	8
N20K10P60(3)_2	0.00	0.00	20.00	10.00	13	8
N20K10P60(3)_3	0.00	0.00	20.00	10.00	7	8
N20K10P60(3)_4	0.00	0.00	20.00	10.00	8	8
N20K10P60(3)_5	0.00	0.00	18.00	10.00	28	9
N20K10P60(3)_6	0.00	0.00	19.00	10.00	7	8
N20K10P60(3)_7	0.00	0.00	20.00	10.00	30	8
N20K10P60(3)_8	0.00	0.00	20.00	10.00	45	8
N20K10P60(3)_9	0.00	0.00	20.00	10.00	44	8
N20K10P60(3)_10	0.00	0.00	20.00	10.00	23	8
N20K10P60(4)_1	0.00	0.00	18.00	13.00	101	8
N20K10P60(4)_2	0.00	0.00	20.00	13.00	187	8
N20K10P60(4)_3	0.00	0.00	17.00	13.00	72	9
N20K10P60(4)_4	0.00	0.00	18.00	13.00	78	9
N20K10P60(4)_5	0.00	0.00	20.00	13.00	170	8
N20K10P60(4)_6	0.00	0.00	18.00	13.00	241	9
N20K10P60(4)_7	0.00	0.00	19.00	13.00	247	9
N20K10P60(4)_8	0.00	0.00	20.00	13.00	201	9
N20K10P60(4)_9	0.00	0.00	20.00	13.00	347	9
N20K10P60(4)_10 N20K10P60(5)_1	0.00	0.00	20.00	13.00	84 305	$\frac{9}{425}$
` /	0.00	0.00		18.00		
N20K10P60(5)_2 N20K10P60(5)_3	0.00	0.00	19.00 19.00	20.00	327 261	100
N20K10P60(5)_3	0.00	0.00	20.00	19.00	70	326
N20K10P60(5)_5	0.00	0.00	16.00	19.00	365	396
N20K10P60(5)_6	0.00	0.00	19.00	15.00	524	$\frac{350}{1355}$
N20K10P60(5)_7	0.00	0.02	19.00	19.00	548	$\frac{1555}{154}$
N20K10P60(5)_8	0.00	0.00	20.00	17.00	445	354
N20K10P60(5)_9	0.00	0.00	19.00	20.00	384	220
N20K10P60(5)_10	0.00	0.00	17.00	19.00	440	420
N20K10P60(6)_1	0.09	0.08	18.00	16.00	2677	1761
N20K10P60(6)_2	0.15	0.13	17.00	16.00	1456	1917
N20K10P60(6)_3	0.12	0.14	17.00	17.00	2170	1944
N20K10P60(6)_4	0.14	0.14	17.00	17.00	1749	1532
N20K10P60(6)_5	0.17	0.14	17.00	16.00	1821	2192
N20K10P60(6)_6	0.13	0.12	17.00	16.00	1669	2909
N20K10P60(6)_7	0.09	0.05	17.00	20.00	1843	2301
N20K10P60(6)_8	0.09	0.12	16.00	17.00	1999	1900
N20K10P60(6)_9	0.09	0.17	18.00	18.00	1717	1824
N20K10P60(6)_10	0.12	0.17	14.00	17.00	1672	1588
N20K10P60(7)_1	0.00	0.00	19.00	20.00	432	831
N20K10P60(7)_2	0.00	0.00	18.00	20.00	977	467
N20K10P60(7)_3	0.00	0.00	19.00	18.00	305	804
N20K10P60(7)_4	0.00	0.00	20.00	19.00	356	430
N20K10P60(7)_5	0.00	0.00	19.00	19.00	600	1481

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K10P60(7)_6	0.00	0.00	19.00	20.00	728	616
N20K10P60(7)_7	0.00	0.00	17.00	19.00	590	1507
N20K10P60(7)_8	0.00	0.00	20.00	19.00	342	683
N20K10P60(7)_9	0.00	0.00	18.00	16.00	733	710
N20K10P60(7)_10	0.01	0.00	19.00	19.00	1802	750
N20K10P60(8)_1	0.18	0.09	17.00	18.00	1342	1798
N20K10P60(8)_2	0.11	0.10	18.00	17.00	1698	1702
N20K10P60(8)_3	0.07	0.11	19.00	17.00	2140	1740
N20K10P60(8)_4	0.05	0.11	19.00	17.00	1979	1496
N20K10P60(8)_5	0.12	0.17	19.00	20.00	2112	1895
N20K10P60(8)_6	0.09	0.16	17.00	17.00	1559	2762
N20K10P60(8)_7	0.09	0.09	18.00	19.00	1496	1850
N20K10P60(8)_8	0.16	0.09	18.00	17.00	1682	2070
N20K10P60(8)_9	0.09	0.11	20.00	15.00	1963	1494
N20K10P60(8)_10	0.09	0.18	17.00	16.00	1992	1885
N20K10P60(9)_1	0.56	0.66	20.00	18.00	2902	2910
N20K10P60(9)_2	0.63	0.66	20.00	20.00	3185	3692
N20K10P60(9)_3	0.67	0.68	19.00	19.00	3322	2423
N20K10P60(9)_4	0.64	0.65	20.00	20.00	1993	2353
N20K10P60(9)_5	0.64	0.79	19.00	18.00	2416	2150
N20K10P60(9)_6	0.81	0.52	18.00	20.00	3769	2826
N20K10P60(9)_7	0.57	0.67	19.00	19.00	2143	3012
N20K10P60(9)_8	0.58	0.70	19.00	19.00	2840	2364
N20K10P60(9)_9	0.60	0.73	20.00	18.00	2458	2871
N20K10P60(9)_10	0.66	0.71	19.00	20.00	2748	2348
N20K10P60(10)_1	0.00	0.00	20.00	18.00	275	772
N20K10P60(10)_2	0.00	0.00	19.00	20.00	190	289
N20K10P60(10)_3	0.00	0.00	20.00	20.00	365	223
N20K10P60(10)_4	0.00	0.00	20.00	18.00	186	855
N20K10P60(10)_5	0.00	0.00	19.00	19.00	193	315
N20K10P60(10)_6	0.00	0.00	20.00	19.00	348	366
N20K10P60(10)_7	0.00	0.00	17.00	19.00	289	83
N20K10P60(10)_8	0.00	0.00	19.00	19.00	255	227
N20K10P60(10)_9	0.00	0.00	20.00	19.00	114	273
N20K10P60(10)_10	0.00	0.00	19.00	18.00	175	351
N20K10P70(1)_1	0.07	0.09	17.00	17.00	3762	1507
N20K10P70(1)_2	0.06	0.11	18.00	15.00	2657	1392
N20K10P70(1)_3	0.02	0.11	19.00	17.00	2651	1350
N20K10P70(1)_4	0.13	0.09	17.00	17.00	2040	1552
N20K10P70(1)_5	0.04	0.11	19.00	15.00	1929	1292
N20K10P70(1)_6	0.06	0.09	19.00	17.00	2332	1462
N20K10P70(1)_7	0.02	0.09	20.00	17.00	2103	2399
N20K10P70(1)_8	0.15	0.09	20.00	14.00	1930	1524
N20K10P70(1)_9	0.07	0.11	19.00	15.00	1733	1268
N20K10P70(1)_10	0.06	0.09	19.00	17.00	2309	1723
N20K10P70(2)_1	0.00	0.00	19.00	12.00	242	8
N20K10P70(2)_2	0.00	0.00	19.00	12.00	262	8
N20K10P70(2)_3	0.00	0.00	20.00	12.00	183	8
N20K10P70(2)_4	0.00	0.00	19.00	12.00	388	8
N20K10P70(2)_5	0.00	0.00	18.00	12.00	378	8
N20K10P70(2)_6	0.00	0.00	19.00	12.00	256	7
N20K10P70(2)_7	0.00	0.00	18.00	12.00	320	8
N20K10P70(2)_8	0.00	0.00	20.00	12.00	277	8
N20K10P70(2)_9	0.00	0.00	18.00	12.00	407	8
N20K10P70(2)_10	0.00	0.00	19.00	12.00	425	8
N20K10P70(3)_1	0.00	0.00	20.00	10.00	50	8
N20K10P70(3)_2	0.00	0.00	19.00	10.00	87	8

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K10P70(3)_3	0.00	0.00	20.00	10.00	113	9
N20K10P70(3)_4	0.00	0.00	20.00	10.00	50	8
N20K10P70(3)_5	0.00	0.00	20.00	10.00	109	8
N20K10P70(3)_6	0.00	0.00	20.00	10.00	19	8
N20K10P70(3)_7	0.00	0.00	19.00	10.00	29	8
N20K10P70(3)_8	0.00	0.00	16.00	10.00	137	8
N20K10P70(3)_9	0.00	0.00	19.00	10.00	19	8
N20K10P70(3)_10	0.00	0.00	19.00	10.00	95	8
N20K10P70(4)_1	0.00	0.00	20.00	20.00	1199	205
N20K10P70(4)_2 N20K10P70(4)_3	0.00	0.00	19.00	20.00 19.00	691 558	277 100
N20K10P70(4)_3	0.00	0.00	20.00	20.00	1224	$\frac{100}{154}$
N20K10P70(4)_5	0.00	0.00	19.00	20.00	614	325
N20K10P70(4)_6	0.00	0.00	19.00	20.00	1254	423
N20K10P70(4)_7	0.00	0.00	19.00	20.00	1401	278
N20K10P70(4)_8	0.00	0.00	18.00	20.00	707	380
N20K10P70(4)_9	0.00	0.00	19.00	20.00	889	376
N20K10P70(4)_10	0.00	0.00	19.00	20.00	398	349
N20K10P70(5)_1	0.00	0.00	19.00	17.00	668	998
N20K10P70(5)_2	0.00	0.00	19.00	19.00	401	473
N20K10P70(5)_3	0.01	0.00	19.00	19.00	1903	481
N20K10P70(5)_4	0.00	0.00	19.00	18.00	593	599
N20K10P70(5)_5	0.00	0.00	17.00	19.00	1146	509
N20K10P70(5)_6	0.00	0.00	18.00	19.00	430	420
N20K10P70(5)_7	0.01	0.00	18.00	17.00	1722	2757
N20K10P70(5)_8	0.00	0.00	19.00	19.00	644	370
N20K10P70(5)_9 N20K10P70(5)_10	0.00	0.01	17.00 17.00	17.00 19.00	966 612	1817 790
N20K10P70(6)_1	0.51	0.50	18.00	15.00	1376	2360
N20K10P70(6)_2	0.46	0.49	18.00	17.00	2029	2156
N20K10P70(6)_3	0.49	0.51	15.00	18.00	1717	4091
N20K10P70(6)_4	0.50	0.66	18.00	12.00	1593	1975
N20K10P70(6)_5	0.49	0.48	16.00	17.00	2869	2079
N20K10P70(6)_6	0.41	0.70	17.00	19.00	2585	1572
N20K10P70(6)_7	0.54	0.46	17.00	19.00	1953	1510
N20K10P70(6)_8	0.50	0.51	17.00	14.00	2336	1572
N20K10P70(6)_9	0.56	0.59	16.00	17.00	1672	1848
N20K10P70(6)_10	0.39	0.54	19.00	16.00	2067	3207
N20K10P70(7)_1	0.02	0.09	20.00	20.00	2176	2391
N20K10P70(7)_2	0.03	0.13	20.00	19.00	2171	1757
N20K10P70(7)_3	0.03	0.01	20.00	20.00	1886	2249
N20K10P70(7)_4 N20K10P70(7)_5	0.02	0.03	18.00 19.00	20.00	1731	2541
N20K10P70(7)_5 N20K10P70(7)_6	0.04	0.01	18.00	19.00 20.00	2041 2241	3089 2816
N20K10P70(7)_0 N20K10P70(7)_7	0.02	0.17 0.01	19.00	19.00	1708	3669
N20K10P70(7)_8	0.07	0.01	20.00	20.00	1937	3554
N20K10P70(7)_9	0.02	0.16	20.00	20.00	3190	2469
N20K10P70(7)_10	0.02	0.03	20.00	20.00	2466	1944
N20K10P70(8)_1	0.46	0.46	18.00	18.00	2015	1998
N20K10P70(8)_2	0.52	0.46	19.00	18.00	2766	1998
N20K10P70(8)_3	0.46	0.56	20.00	17.00	2592	1465
N20K10P70(8)_4	0.41	0.52	19.00	16.00	2065	1410
N20K10P70(8)_5	0.60	0.55	19.00	18.00	2045	1681
N20K10P70(8)_6	0.41	0.62	19.00	16.00	4386	1430
N20K10P70(8)_7	0.46	0.46	19.00	18.00	2032	1786
N20K10P70(8)_8	0.43	0.46	20.00	18.00	2366	1571
N20K10P70(8)_9	0.45	0.58	20.00	16.00	2094	1777

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K10P70(8)_10	0.39	0.52	20.00	18.00	3066	2247
N20K10P70(9)_1	1.28	1.28	19.00	19.00	2566	2753
N20K10P70(9)_2	1.21	1.44	19.00	19.00	2148	3247
N20K10P70(9)_3	1.35	1.29	19.00	20.00	2316	3579
N20K10P70(9)_4	1.29	1.35	19.00	18.00	2936	2055
N20K10P70(9)_5	1.36	1.36	19.00	20.00	2463	2340
N20K10P70(9)_6	1.33	1.29	20.00	19.00	3426	1945
N20K10P70(9)_7	1.32	1.31	19.00	19.00	2355	2842
N20K10P70(9)_8	1.37	1.32	20.00	20.00	2466	2780
N20K10P70(9)_9	1.32	1.32	20.00	18.00	2067	2456
N20K10P70(9)_10	1.28	1.32	19.00	19.00	2065	3303
N20K10P70(10)_1	0.00	0.00	19.00	19.00	613	347
N20K10P70(10)_2	0.00	0.00	20.00	17.00	474	719
N20K10P70(10)_3	0.00	0.00	19.00	20.00	562	367
N20K10P70(10)_4	0.00	0.00	19.00	19.00	780	600
N20K10P70(10)_5	0.00	0.00	19.00	19.00	422	936
N20K10P70(10)_6	0.00	0.00	19.00	20.00	621	771
N20K10P70(10)_7	0.00	0.00	20.00	20.00	1476	392
N20K10P70(10)_8	0.00	0.03	20.00	20.00	587	1646
N20K10P70(10)_9	0.02	0.00	20.00	20.00	1706	463
N20K10P70(10)_10	0.00	0.00	19.00	18.00	482	697
N20K10P80(1)_1	0.49	0.51	16.00	17.00	1967	1358
N20K10P80(1)_2	0.39	0.49	20.00	18.00	2242	1715
N20K10P80(1)_3	0.37	0.51	20.00	15.00	1968	1483
N20K10P80(1)_4	0.37	0.49	20.00	15.00	1967	1655
N20K10P80(1)_5	0.37	0.51	18.00	14.00	1897	1497
N20K10P80(1)_6	0.41	0.51	18.00	17.00	1665	1350
N20K10P80(1)_7	0.48	0.51	18.00	17.00	2250	1688
N20K10P80(1)_8	0.40	0.49	19.00	16.00	1775	1839
N20K10P80(1)_9	0.48	0.51	20.00	16.00	3410	1299
N20K10P80(1)_10	0.34	0.49	20.00	16.00	2577	1544
N20K10P80(2)_1	0.00	0.00	19.00	13.00	239	7
N20K10P80(2)_2	0.00	0.00	19.00	13.00	502	7
N20K10P80(2)_3	0.00	0.00	20.00	13.00	241	8
N20K10P80(2)_4	0.00	0.00	19.00	13.00	257	8
N20K10P80(2)_5	0.00	0.00	19.00	13.00	362	7
N20K10P80(2)_6	0.00	0.00	19.00	13.00	313	7
N20K10P80(2)_7	0.00	0.00	18.00	13.00	125	8
N20K10P80(2)_8	0.00	0.00	19.00	13.00	303	8
N20K10P80(2)_9	0.00	0.00	18.00	13.00	389	8
N20K10P80(2)_10	0.00	0.00	19.00	13.00	472	8
N20K10P80(3)_1	0.00	0.00	17.00	10.00	144	8
N20K10P80(3)_2	0.00	0.00	19.00	10.00	92	8
N20K10P80(3)_3	0.00	0.00	20.00	10.00	162	8
N20K10P80(3)_4	0.00	0.00	19.00	10.00	34	8
N20K10P80(3)_5	0.00	0.00	20.00	10.00	125	8
N20K10P80(3)_6	0.00	0.00	20.00	10.00	133	8
N20K10P80(3)_7	0.00	0.00	20.00	10.00	45	8
N20K10P80(3)_8	0.00	0.00	20.00	10.00	87	8
N20K10P80(3)_9	0.00	0.00	18.00	10.00	106	8
N20K10P80(3)_10	0.00	0.00	19.00	10.00	166	8
N20K10P80(4)_1	0.02	0.00	20.00	20.00	2796	2268
N20K10P80(4)_2	0.02	0.04	19.00	20.00	2665	3149
N20K10P80(4)_3	0.00	0.01	20.00	19.00	2197	1645
N20K10P80(4)_4	0.00	0.14	20.00	15.00	770	1725
N20K10P80(4)_5	0.04	0.03	20.00	19.00	2041	2623
N20K10P80(4)_6	0.10	0.01	20.00	20.00	3114	2141

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K10P80(4)_7	0.05	0.05	20.00	20.00	2663	2638
N20K10P80(4)_8	0.04	0.03	18.00	20.00	2627	2220
N20K10P80(4)_9	0.02	0.00	20.00	20.00	2735	2186
N20K10P80(4)_10	0.00	0.00	20.00	18.00	2195	2148
N20K10P80(5)_1	0.04	0.02	16.00	19.00	1380	2226
N20K10P80(5)_2	0.06	0.06	16.00	19.00	1897	2663
N20K10P80(5)_3	0.03	0.07	18.00	17.00	1550	3883
N20K10P80(5)_4	0.18	0.12	19.00	18.00	1822	1926
N20K10P80(5)_5	0.07	0.02	19.00	19.00	1585	2264
N20K10P80(5)_6	0.01	0.23	18.00	16.00	1994	1906
N20K10P80(5)_7	0.02	0.02	19.00	17.00	1703	2208
N20K10P80(5)_8	0.00	0.11	18.00	16.00	605	1722
N20K10P80(5)_9	0.02	0.05	16.00	18.00	1882	1840
N20K10P80(5)_10	0.02	0.00	19.00	17.00	1897	904
N20K10P80(6) ₋ 1	1.14	1.10	19.00	19.00	2100	2152
N20K10P80(6)_2	1.03	0.90	19.00	18.00	1825	3573
N20K10P80(6)_3	0.98	1.11	17.00	15.00	1976	2258
N20K10P80(6)_4	0.97	1.25	15.00	15.00	4461	1772
N20K10P80(6)_5	1.21	1.05	20.00	14.00	1447	1784
N20K10P80(6)_6	1.11	0.97	18.00	15.00	1985	2652
N20K10P80(6)_7	1.07	1.12	15.00	19.00	2626	2005
N20K10P80(6)_8	1.10	0.91	19.00	18.00	1973	2667
N20K10P80(6)_9	1.17	1.01	18.00	16.00	1764	2020
N20K10P80(6)_10	1.06	1.10	17.00	19.00	2260	1791
N20K10P80(7)_1	0.17	0.22	20.00	20.00	2008	2955
N20K10P80(7)_2	0.24	0.40	20.00	20.00	2321	1881
N20K10P80(7)_3	0.36	0.30	20.00	20.00	2508	2511
N20K10P80(7)_4	0.34	0.26	20.00	20.00	2192	2766
N20K10P80(7)_5	0.43	0.32	20.00	20.00	2051	4465
N20K10P80(7)_6	0.25	0.36	20.00	20.00	3343	2133
N20K10P80(7)_7	0.37	0.28	20.00	19.00	3665	1952
N20K10P80(7)_8	0.46	0.39	20.00	20.00	1855	3015
N20K10P80(7)_9	0.28	0.66		20.00	2430	1847
N20K10P80(7)_10 N20K10P80(8)_1	1.09	$\frac{0.20}{0.97}$	20.00	20.00	1904 1433	3192 1685
N20K10P80(8)_1 N20K10P80(8)_2	1.09	$\frac{0.97}{0.94}$	17.00	14.00	1759	1835
N20K10P80(8)_2	0.96	1.00	18.00	19.00	1702	2200
N20K10P80(8)_4	1.15	1.16	18.00	18.00	2110	2373
N20K10P80(8)_5	0.94	0.97	18.00	19.00	2213	1646
N20K10P80(8)_6	1.21	0.99	17.00	12.00	2221	2333
N20K10P80(8)_7	0.96	0.96	17.00	16.00	1916	1685
N20K10P80(8)_8	0.91	0.96	20.00	18.00	2351	2804
N20K10P80(8)_9	0.96	0.96	19.00	18.00	1628	2545
N20K10P80(8)_10	0.92	0.97	19.00	17.00	4652	2006
N20K10P80(9)_1	2.02	1.94	20.00	19.00	2589	2733
N20K10P80(9)_2	1.96	2.10	20.00	20.00	2117	2028
N20K10P80(9)_3	2.01	1.99	20.00	19.00	2207	2755
N20K10P80(9)_4	2.01	1.94	20.00	19.00	2478	2231
N20K10P80(9)_5	2.00	2.06	20.00	18.00	2083	2220
N20K10P80(9)_6	2.08	1.95	17.00	20.00	2109	2106
N20K10P80(9)_7	2.03	2.06	20.00	18.00	2066	5326
N20K10P80(9)_8	2.03	2.06	20.00	18.00	3179	2681
N20K10P80(9)_9	2.06	2.01	19.00	20.00	2058	2322
N20K10P80(9)_10	1.98	2.14	18.00	19.00	2136	1948
N20K10P80(10)_1	0.12	0.05	18.00	17.00	1708	2039
N20K10P80(10)_2	0.06	0.05	19.00	20.00	3199	1880
N20K10P80(10)_3	0.05	0.05	18.00	17.00	1819	1880
11/2013/10/2010(10)_3	0.00	0.00	10.00	17.00	1019	1000

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K10P80(10)_4	0.05	0.05	18.00	16.00	3298	2543
N20K10P80(10)_5	0.06	0.06	18.00	17.00	2411	1948
N20K10P80(10)_6	0.13	0.06	18.00	19.00	2231	1796
N20K10P80(10)_7	0.05	0.05	19.00	18.00	1881	2095
N20K10P80(10)_8	0.06	0.06	19.00	19.00	2613	2466
N20K10P80(10)_9	0.05	0.05	19.00	17.00	4077	1689
N20K10P80(10)_10	0.06	0.26	18.00	17.00	1631	2188
N20K14P50(1)_1	0.22	0.30	20.00	19.00	2501	2614
N20K14P50(1)_2	0.41	0.30	19.00	19.00	1872	3687
N20K14P50(1)_3	0.39	0.36	18.00	19.00	2394	3257
N20K14P50(1)_4	0.30	0.25	19.00	19.00	2822	3510
N20K14P50(1)_5	0.36	0.39	19.00	17.00	1755	2632
N20K14P50(1)_6	0.32	0.20	19.00	19.00	2881	2679
N20K14P50(1)_7	0.39	0.24	18.00	20.00	2215	3035
N20K14P50(1)_8	0.29	0.30	19.00	20.00	3031	3352
N20K14P50(1)_9	0.26	0.30	18.00	19.00	2945	2826
N20K14P50(1)_10	0.31	0.35	20.00	19.00	2697	3460
N20K14P50(2)_1	0.00	0.00	19.00	14.00	48	9
N20K14P50(2)_2	0.00	0.00	19.00	14.00	54	9
N20K14P50(2)_3	0.00	0.00	20.00	14.00	36	9
N20K14P50(2)_4	0.00	0.00	19.00	14.00	44	9
N20K14P50(2)_5	0.00	0.00	18.00	14.00	8	8
N20K14P50(2)_6	0.00	0.00	20.00	14.00	26	9
N20K14P50(2)_7	0.00	0.00	20.00	14.00	59	9
N20K14P50(2)_8	0.00	0.00	20.00	14.00	50	9
N20K14P50(2)_9	0.00	0.00	18.00	14.00	61	8
N20K14P50(2)_10	0.00	0.00	17.00	14.00	67	9
N20K14P50(3)_1	0.00	0.00	20.00	14.00	8	8
N20K14P50(3)_2	0.00	0.00	19.00	14.00	14	8
N20K14P50(3)_3	0.00	0.00	20.00	14.00	43	9
N20K14P50(3)_4	0.00	0.00	18.00	14.00	31	8
N20K14P50(3)_5	0.00	0.00	18.00	14.00	20	8
N20K14P50(3)_6	0.00	0.00	20.00	14.00	8	9
N20K14P50(3)_7	0.00	0.00	19.00	14.00	9	9
N20K14P50(3)_8	0.00	0.00	19.00	14.00	8	9
N20K14P50(3)_9	0.00	0.00	19.00	14.00	8	9
N20K14P50(3)_10	0.00	0.00	20.00	14.00	37	9
N20K14P50(4) ₋ 1	0.00	0.00	19.00	19.00	149	217
N20K14P50(4)_2	0.00	0.00	19.00	17.00	460	49
N20K14P50(4)_3	0.00	0.00	18.00	19.00	1130	196
N20K14P50(4)_4	0.00	0.00	19.00	19.00	87	253
N20K14P50(4)_5	0.00	0.00	20.00	19.00	253	144
N20K14P50(4)_6	0.00	0.00	19.00	19.00	421	265
N20K14P50(4)_7	0.00	0.00	19.00	19.00	329	250
N20K14P50(4)_8	0.00	0.00	19.00	19.00	385	309
N20K14P50(4)_9	0.00	0.00	20.00	19.00	155	177
N20K14P50(4)_10	0.00	0.00	19.00	20.00	269	73
N20K14P50(5)_1	0.00	0.00	19.00	19.00	379	357
N20K14P50(5)_2	0.00	0.00	20.00	18.00	498	277
N20K14P50(5)_3	0.00	0.00	18.00	19.00	634	491
N20K14P50(5)_4	0.00	0.00	20.00	19.00	575	462
N20K14P50(5)_5	0.00	0.07	17.00	17.00	487	1630
N20K14P50(5)_6	0.00	0.00	17.00	18.00	767	538
N20K14P50(5)_7	0.00	0.00	19.00	19.00	338	591
N20K14P50(5)_8	0.00	0.00	18.00	18.00	534	590
N20K14P50(5)_9	0.00	0.00	20.00	19.00	596	371
N20K14P50(5)_10	0.00	0.00	16.00	18.00	470	790

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2255
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2188
2440
2092
2778
2336
2069
2746
2078
2564
3182
3249
3105
0100
2490

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K14P60(1)_8	0.92	1.04	19.00	19.00	3808	3015
N20K14P60(1)_9	0.85	0.80	19.00	20.00	2217	2135
N20K14P60(1)_10	0.95	0.97	19.00	19.00	2921	2679
N20K14P60(2)_1	0.00	0.00	19.00	17.00	588	453
N20K14P60(2)_2	0.00	0.00	19.00	19.00	554	107
N20K14P60(2)_3	0.00	0.00	18.00	19.00	1748	174
N20K14P60(2)_4	0.00	0.00	20.00	19.00	1182	180
N20K14P60(2)_5	0.00	0.00	18.00	19.00	985	155
N20K14P60(2)_6	0.00	0.00	19.00	20.00	804	246
N20K14P60(2)_7	0.00	0.00	19.00	20.00	2452	307
N20K14P60(2)_8	0.00	0.00	20.00	19.00	472	184
N20K14P60(2)_9	0.06	0.00	17.00	20.00	1622	276
N20K14P60(2)_10	0.00	0.00	18.00	20.00	2642	211
N20K14P60(3)_1	0.00	0.00	20.00	18.00	737	111
N20K14P60(3)_2	0.00	0.00	18.00	16.00	601	149
N20K14P60(3)_3	0.00	0.00	19.00	17.00	701	93
N20K14P60(3)_4	0.00	0.00	19.00	17.00	883	153
N20K14P60(3)_5	0.00	0.00	19.00	15.00	570	135
N20K14P60(3)_6	0.00	0.00	20.00	18.00	1563	118
N20K14P60(3)_7	0.02	0.00	17.00	17.00	1681	130
N20K14P60(3)_8	0.02	0.00	17.00	16.00	1422	99
N20K14P60(3)_9	0.00	0.00	18.00	19.00	1349	64
N20K14P60(3)_10	0.00	0.00	18.00	20.00	634	113
N20K14P60(4)_1	0.01	0.15	19.00	20.00	2344	2361
N20K14P60(4)_2	0.09	0.13	20.00	18.00	2881	2680
N20K14P60(4)_3	0.00	0.16	20.00	18.00	1689	2188
N20K14P60(4)_4	0.00	0.15	20.00	18.00	1752	1968
N20K14P60(4)_5	0.01	0.04	20.00	19.00	2515	2447
N20K14P60(4)_6	0.01	0.07	20.00	20.00	2178	2177
N20K14P60(4)_7	0.06	0.01	20.00	19.00	2251	2731
N20K14P60(4)_8	0.01	0.00	20.00	19.00	2415	1159
N20K14P60(4)_9	0.06	0.00	19.00	19.00	2113	2218
N20K14P60(4)_10	0.11	0.11	19.00	19.00	2302	2452
N20K14P60(5)_1	0.23	0.23	18.00	19.00	1943	1996
N20K14P60(5)_2	0.29	0.22	16.00	17.00	1910	2203
N20K14P60(5)_3	0.16	0.21	19.00	19.00	2310	2199
N20K14P60(5)_4	0.17	0.21	19.00	18.00	2327	2033
N20K14P60(5)_5	0.16	0.17	19.00	17.00	2112	3116
N20K14P60(5)_6	0.24	0.16	18.00	18.00	2770	2396
N20K14P60(5)_7	0.23	0.18	17.00	17.00	3975	2231
N20K14P60(5)_8	0.22	0.23	16.00	20.00	1992	2968
N20K14P60(5)_9	0.19	0.23	19.00	18.00	3149	2124
N20K14P60(5)_10	0.17	0.23	20.00	17.00	2628	2534
N20K14P60(6)_1	1.25	1.16	19.00	18.00	2217	2641
N20K14P60(6)_2	1.40	1.17	18.00	18.00	2829	2958
N20K14P60(6)_3	1.34	1.43	19.00	18.00	2056	2204
N20K14P60(6)_4	1.33	1.25	19.00	20.00	2405	3255
N20K14P60(6)_5	1.18	1.33	19.00	19.00	2338	3405
N20K14P60(6)_6	1.23	1.21	18.00	18.00	2251	2605
N20K14P60(6)_7	1.46	1.27	19.00	18.00	2149	2780
N20K14P60(6)_8	1.20	1.32	19.00	19.00	2351	2422
N20K14P60(6)_9	1.28	1.32	20.00	18.00	2653	2707
N20K14P60(6)_10	1.34	1.26	19.00	20.00	2206	3060
N20K14P60(7)_1	0.38	0.32	20.00	20.00	2350	2801
N20K14P60(7)_2	0.36	0.30	20.00	20.00	2007	4112
N20K14P60(7)_3	0.22	0.29	20.00	20.00	4008	2245
N20K14P60(7)_4	0.47	0.41	19.00	20.00	2697	4558

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K14P60(7)_5	0.38	0.58	20.00	19.00	2793	2544
N20K14P60(7)_6	0.37	0.46	19.00	18.00	2184	2751
N20K14P60(7)_7	0.29	0.40	20.00	19.00	2706	2886
N20K14P60(7)_8	0.35	0.38	19.00	20.00	3086	3248
N20K14P60(7)_9	0.44	0.42	20.00	20.00	2150	2132
N20K14P60(7)_10	0.34	0.31	20.00	20.00	3599	3083
N20K14P60(8)_1	1.84	1.72	19.00	18.00	2174	2452
N20K14P60(8)_2	1.76	1.59	18.00	19.00	3113	2526
N20K14P60(8)_3	1.69	1.82	19.00	19.00	1921	2618
N20K14P60(8)_4	1.75	1.77	18.00	20.00	2387	4030
N20K14P60(8)_5	1.75	1.69	18.00	19.00	2237	2880
N20K14P60(8)_6	1.82	1.60	20.00	19.00	2636	4593
N20K14P60(8)_7	1.77	1.95	19.00	18.00	2338	2815
N20K14P60(8)_8	1.83	1.87	18.00	18.00	2316	3022
N20K14P60(8)_9	1.63	1.86	19.00	17.00	2327	2285
N20K14P60(8)_10	1.92	1.93	19.00	18.00	2084	2641
N20K14P60(9)_1	1.98	2.30	20.00	19.00	2851	2591
N20K14P60(9)_2	2.01	2.06	19.00	19.00	2344	3103
N20K14P60(9)_3	2.11	2.07	19.00	20.00	2870	3660
N20K14P60(9)_4	2.21	1.97	20.00	20.00	2378	3138
N20K14P60(9)_5	2.11	1.95	20.00	20.00	2527	2981
N20K14P60(9)_6	2.10	2.04	20.00	20.00	2538	2886
N20K14P60(9)_7	2.08	2.01	19.00	18.00	2116	2823
N20K14P60(9)_8	2.08	1.97	19.00	20.00	2569	3137
N20K14P60(9)_9	2.07	2.19	19.00	19.00	3076	2553
N20K14P60(9)_10	2.08	1.99	19.00	19.00	2113	3545
N20K14P60(10)_1	0.59	0.32	18.00	20.00	2129	2353
N20K14P60(10)_2	0.34	0.36	19.00	19.00	2972	2667
N20K14P60(10)_3 N20K14P60(10)_4	0.47	0.46	18.00	19.00	3535	2335
N20K14P60(10)_4 N20K14P60(10)_5	0.39	$\frac{0.58}{0.46}$	19.00	18.00 18.00	$\frac{2402}{2248}$	$\frac{2283}{2501}$
N20K14P60(10)_5 N20K14P60(10)_6	0.48	0.48	18.00	18.00	2410	2317
N20K14P60(10)_7	0.32	0.46	19.00	20.00	$\frac{2410}{2165}$	2971
N20K14P60(10)_8	0.36	0.40	19.00	19.00	2810	3813
N20K14P60(10)_9	0.40	0.48	20.00	19.00	2191	2430
N20K14P60(10)_10	0.33	0.49	20.00	19.00	2290	$\frac{2430}{3297}$
N20K14P70(1)_1	1.99	1.98	19.00	19.00	2399	3442
N20K14P70(1)_2	1.71	1.86	20.00	19.00	3305	3043
N20K14P70(1)_3	1.70	1.86	19.00	18.00	2547	2558
N20K14P70(1)_4	1.75	1.74	18.00	19.00	2355	2550
N20K14P70(1)_5	1.67	1.64	19.00	19.00	2462	2296
N20K14P70(1)_6	1.75	1.76	18.00	18.00	2414	2646
N20K14P70(1)_7	1.75	1.81	17.00	19.00	1815	4372
N20K14P70(1)_8	1.97	1.53	16.00	20.00	2280	2600
N20K14P70(1)_9	1.64	1.81	19.00	17.00	3423	3132
N20K14P70(1)_10	1.65	1.64	20.00	19.00	3300	3490
N20K14P70(2)_1	0.03	0.04	20.00	20.00	2445	1895
N20K14P70(2)_2	0.10	0.04	19.00	20.00	1644	1920
N20K14P70(2)_3	0.16	0.07	19.00	18.00	2069	1851
N20K14P70(2)_4	0.03	0.04	20.00	20.00	2381	2837
N20K14P70(2)_5	0.01	0.03	20.00	19.00	2865	2039
N20K14P70(2)_6	0.15	0.02	20.00	20.00	1794	2390
N20K14P70(2)_7	0.00	0.03	20.00	19.00	674	3540
N20K14P70(2)_8	0.15	0.07	19.00	20.00	2120	2050
N20K14P70(2)_9	0.00	0.16	20.00	17.00	1048	1597
N20K14P70(2)_10	0.00	0.03	20.00	20.00	2724	1845
N20K14P70(3)_1	0.00	0.00	17.00	19.00	697	201

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K14P70(3)_2	0.00	0.00	18.00	18.00	1356	160
N20K14P70(3)_3	0.00	0.00	20.00	18.00	708	252
N20K14P70(3)_4	0.00	0.00	19.00	19.00	1396	153
N20K14P70(3)_5	0.00	0.00	18.00	19.00	793	195
N20K14P70(3)_6	0.00	0.00	18.00	18.00	979	94
N20K14P70(3)_7	0.04	0.00	19.00	18.00	1909	226
N20K14P70(3)_8	0.00	0.00	20.00	19.00	1377	159
N20K14P70(3)_9	0.00	0.00	20.00	20.00	730	95
N20K14P70(3)_10	0.00	0.00	20.00	18.00	680	138
N20K14P70(4)_1	0.39	0.59	20.00	19.00	4394	3243
N20K14P70(4)_2	0.53	0.46	20.00	20.00	2420	4229
N20K14P70(4)_3	0.36	0.37	20.00	20.00	4611	3057
N20K14P70(4)_4	0.41	0.60	20.00	18.00	2179	2687
N20K14P70(4)_5	0.41	0.50	20.00	20.00	2339	3147
N20K14P70(4)_6	0.52	0.57	20.00	18.00	2871	2978
N20K14P70(4)_7	0.54	0.53	20.00	19.00	3025	2678
N20K14P70(4)_8	0.40	0.42	19.00	20.00	3371	2580
N20K14P70(4)_9	0.55	0.38	20.00	20.00	2326	2978
N20K14P70(4)_10	0.44	0.54	20.00	20.00	3834	5546
N20K14P70(5)_1	0.92	0.88	19.00	18.00	2056	3433
N20K14P70(5)_2	0.86	0.86	17.00	19.00	2114	2656
N20K14P70(5)_3	0.77	0.86	20.00	19.00	2633	4934
N20K14P70(5)_4	0.78	0.90	17.00	18.00	2949	2623
N20K14P70(5)_5	1.12	0.94	19.00	19.00	2358	2156
N20K14P70(5)_6	0.97	0.96	18.00	18.00	2113	2080
N20K14P70(5)_7	0.88	0.90	19.00	17.00	2381	3322
N20K14P70(5)_8	0.78	0.98	18.00	19.00	2917	2482
N20K14P70(5)_9	0.78	0.78	18.00	17.00	2584	2536
N20K14P70(5)_10	1.01	0.88	17.00	18.00	2091	2741
N20K14P70(6)_1	2.23	2.24	18.00	19.00	1853	2888
N20K14P70(6)_2	2.36	2.10	19.00	18.00	1651	1872
N20K14P70(6)_3	2.12	2.23	19.00	20.00	2871	2810
N20K14P70(6)_4	2.07	2.09	19.00	18.00	2964	3184
N20K14P70(6)_5	2.23	2.15	18.00	19.00	2282	2215
N20K14P70(6)_6	2.21	2.31	19.00	20.00	2222	2376
N20K14P70(6)_7	2.13	2.38	18.00	17.00	3140	1816
N20K14P70(6)_8	2.34	2.24	19.00	18.00	1975	2434
N20K14P70(6)_9	2.08	2.11	18.00	19.00	1831	2367
N20K14P70(6)_10	2.08	2.25	18.00	19.00	1765	2601
N20K14P70(7) ₋ 1	1.28	1.33	20.00	20.00	3178	2469
` '	1.12	1.17		20.00	3188	2433
N20K14P70(7)_3	1.06	1.16	20.00	19.00	2735	2406
N20K14P70(7)_4	1.08	1.24	20.00	20.00	2488	2659
N20K14P70(7)_5	1.21	1.20	19.00	19.00	2428	2686
N20K14P70(7)_6	1.03	1.13	20.00	19.00	2969	3659
N20K14P70(7)_7	1.08	1.26	20.00	20.00	2706	2518
N20K14P70(7)_8	1.10	1.20	19.00	20.00	2780	2573
N20K14P70(7)_9		1.13	19.00	20.00	3092	2309
N20K14P70(7)_10	1.15	1.30	20.00	20.00	2639	2380
N20K14P70(8)_1	2.86	2.93	19.00	19.00	3073	3564
` '	2.95	2.94	18.00	18.00	2639	3523
N20K14P70(8)_3	3.10	2.93	20.00	19.00	2023	3075
N20K14P70(8)_4	2.92	2.91	20.00	20.00	2678	2342
N20K14P70(8)_5	2.97	3.05	18.00	17.00	1753	1733
N20K14P70(8)_6	2.83	2.81	19.00	19.00	2397	2550
N20K14P70(8)_7	3.06	3.05	20.00	17.00	2740	2242
N20K14P70(8)_8	2.94	2.90	18.00	19.00	1896	2275
N20K14P70(6)_8 N20K14P70(6)_9 N20K14P70(6)_10 N20K14P70(7)_1 N20K14P70(7)_2 N20K14P70(7)_3 N20K14P70(7)_4 N20K14P70(7)_5 N20K14P70(7)_6 N20K14P70(7)_7 N20K14P70(7)_7 N20K14P70(7)_9 N20K14P70(7)_10 N20K14P70(8)_1 N20K14P70(8)_1 N20K14P70(8)_2 N20K14P70(8)_3 N20K14P70(8)_5 N20K14P70(8)_5 N20K14P70(8)_5 N20K14P70(8)_5 N20K14P70(8)_5 N20K14P70(8)_6 N20K14P70(8)_6 N20K14P70(8)_7	2.34 2.08 2.08 1.28 1.12 1.06 1.08 1.21 1.03 1.08 1.10 1.34 1.15 2.86 2.95 3.10 2.92 2.97 2.83 3.06	2.24 2.11 2.25 1.33 1.17 1.16 1.24 1.20 1.13 1.26 1.20 1.13 1.30 2.93 2.94 2.93 2.91 3.05 2.81 3.05	19.00 18.00 18.00 20.00 20.00 20.00 20.00 19.00 20.00 19.00 19.00 19.00 20.00 19.00 19.00 19.00 19.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00	18.00 19.00 19.00 20.00 20.00 19.00 20.00 19.00 20.00 20.00 20.00 20.00 20.00 20.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 17.00	1975 1831 1765 3178 3188 2735 2488 2428 2969 2706 2780 3092 2639 3073 2639 2023 2678 1753 2397 2740	243 236 244 244 244 265 25 25 230 35 233 35 237 237 25 25 25 23 23 23 23 23 23 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K14P70(8)_9	2.87	2.91	18.00	19.00	2613	2130
N20K14P70(8)_10	3.00	2.94	18.00	17.00	1974	3729
N20K14P70(9)_1	3.07	3.18	19.00	20.00	2403	3688
N20K14P70(9)_2	3.06	$\frac{3.13}{3.07}$	19.00	20.00	2001	3520
N20K14P70(9)_3	3.24	3.15	20.00	19.00	2197	$\frac{3320}{2754}$
N20K14P70(9)_3	2.99	3.11	20.00	19.00	2366	$\frac{2754}{2751}$
3 7	3.21					
N20K14P70(9)_5		$\frac{3.18}{3.10}$	20.00	20.00	2087	2248
N20K14P70(9)_6	3.04			20.00	2212	2608
N20K14P70(9)_7	3.07	3.11	20.00	20.00	3653	2478
N20K14P70(9)_8	3.15	3.18	20.00	20.00	2519	2972
N20K14P70(9)_9	3.19	3.26	20.00	20.00	3052	2868
N20K14P70(9)_10	3.04	3.06	19.00	20.00	2383	2568
N20K14P70(10)_1	0.97	1.13	19.00	19.00	2911	2240
N20K14P70(10)_2	1.13	1.08	18.00	19.00	2272	3792
N20K14P70(10)_3	0.96	1.09	20.00	19.00	2142	3185
N20K14P70(10)_4	0.93	1.18	19.00	18.00	2308	2335
N20K14P70(10)_5	1.09	1.20	19.00	18.00	1981	2042
N20K14P70(10)_6	0.95	1.09	20.00	18.00	2425	3282
N20K14P70(10)_7	1.15	0.93	18.00	19.00	1831	2994
N20K14P70(10)_8	0.96	1.04	19.00	19.00	2281	2192
N20K14P70(10)_9	1.09	1.06	19.00	18.00	2674	2355
N20K14P70(10)_10	1.19	1.09	19.00	18.00	3242	1957
N20K14P80(1)_1	2.55	2.58	18.00	18.00	3946	2878
N20K14P80(1)_2	2.72	2.55	18.00	19.00	2507	3283
N20K14P80(1)_3	2.88	2.66	16.00	18.00	3144	3127
N20K14P80(1)_4	2.67	2.76	16.00	18.00	2589	2115
N20K14P80(1)_5	2.64	2.69	17.00	18.00	3278	2871
N20K14P80(1)_6	2.76	2.55	19.00	17.00	2557	3066
N20K14P80(1)_7	2.65	2.66	18.00	18.00	3912	2602
N20K14P80(1)_8	2.61	2.74	19.00	19.00	2063	2326
N20K14P80(1)_9	2.44	2.64	20.00	19.00	1988	3503
N20K14P80(1)_10	2.55	2.55	19.00	18.00	3211	4685
N20K14P80(2)_1	0.47	0.06	20.00	20.00	1909	2108
N20K14P80(2)_2	0.30	0.07	20.00	20.00	2519	1893
N20K14P80(2)_3	0.36	0.26	20.00	18.00	$\frac{2313}{2142}$	$\frac{1633}{2451}$
N20K14P80(2)_4	0.20	0.26	20.00	18.00	2454	$\frac{2431}{2271}$
N20K14P80(2)_5	0.13	0.20	20.00	20.00	$\frac{2434}{2240}$	2299
N20K14P80(2)_6	0.19	$\frac{0.32}{0.27}$	19.00	19.00	2084	1965
` /				20.00		
N20K14P80(2)_7 N20K14P80(2)_8	0.07	0.32	20.00	20.00	3524	$\frac{1615}{1740}$
` ′					4277	
N20K14P80(2)_9 N20K14P80(2)_10	0.15	0.30	20.00	20.00	2116	2603
. ,	0.16	0.06	20.00		3999	2062
N20K14P80(3)_1	0.00	0.00	20.00	20.00	725	828
N20K14P80(3)_2	0.03	0.00	18.00	20.00	3020	314
N20K14P80(3)_3	0.00	0.00	18.00	16.00	1140	305
N20K14P80(3)_4	0.22	0.00	17.00	19.00	2008	353
N20K14P80(3)_5	0.00	0.00	18.00	18.00	1984	458
N20K14P80(3)_6	0.14	0.00	19.00	19.00	1959	628
N20K14P80(3)_7	0.00	0.00	18.00	19.00	687	323
N20K14P80(3)_8	0.13	0.12	17.00	18.00	1704	1322
N20K14P80(3)_9	0.24	0.00	18.00	15.00	1812	1659
N20K14P80(3)_10	0.00	0.00	18.00	16.00	676	631
N20K14P80(4)_1	0.99	0.81	20.00	20.00	3153	3241
N20K14P80(4)_2	0.96	1.00	19.00	20.00	2498	3052
N20K14P80(4)_3	0.94	1.03	20.00	19.00	2232	3414
N20K14P80(4)_4	1.02	1.16	20.00	19.00	2821	2195
N20K14P80(4)_5	0.96	0.82	20.00	20.00	2850	2463

18) 16GA 1778 12442 12857 12335 1248 13078 12826 171 12691 12311 13081 12660 13035 12529 12297 12658 12549 12326
2442 2857 2335 3248 3078 2826 2171 2691 2311 3081 2660 3035 2529 2297 2658 2549 2326
2857 2335 3248 3078 2826 2171 2691 2311 3081 2660 3035 2529 2297 2658 2549 2326
2335 3248 3078 2826 2171 2691 2311 2660 3035 2529 2297 2658 2549 2326
3248 3078 3826 2171 2691 2311 3081 2660 3035 2529 2297 2658 2549 2326
8078 2826 2171 2691 2311 8081 2660 8035 2529 2297 2658 2549 2326
2826 2171 2691 2311 3081 2660 3035 2529 2297 2658 2549 2326
2171 2691 2311 3081 2660 3035 2529 2297 2658 2549
2691 2311 3081 2660 3035 2529 2297 2658 2549 2326
2311 3081 2660 3035 2529 2297 2658 2549 2326
2311 3081 2660 3035 2529 2297 2658 2549 2326
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2297 2658 2549 2326
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2290 3234

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K14P80(10)_3	1.64	1.59	18.00	19.00	1969	2600
N20K14P80(10)_4	1.59	1.59	19.00	18.00	2645	2081
N20K14P80(10)_5	1.59	1.59	20.00	18.00	2396	2261
N20K14P80(10)_6	1.59	1.53	19.00	20.00	2401	2800
N20K14P80(10)_7	1.59	1.70	19.00	20.00	2256	2822
N20K14P80(10)_8	1.77	1.59	18.00	19.00	2046	3122
N20K14P80(10)_9	1.80	1.70	18.00	20.00	2098	2355
N20K14P80(10)_10	1.63	1.62	19.00	17.00	2274	2715
N20K17P50(1)_1	0.97	1.20	20.00	20.00	3557	2666
N20K17P50(1)_2	1.04	1.07	20.00	20.00	2285	3751
N20K17P50(1)_3	1.11	1.05	20.00	20.00	2687	2628
N20K17P50(1)_4	0.97	1.11	20.00	20.00	3412	2654
N20K17P50(1)_5	1.15	1.04	20.00	20.00	2498	2691
N20K17P50(1)_6	1.12	1.05	20.00	20.00	2410	4025
N20K17P50(1)_7	1.05	1.07	20.00	20.00	2698	2846
N20K17P50(1)_8	0.97	1.04	20.00	20.00	2266	3315
N20K17P50(1)_9	1.04	1.04	20.00	20.00	3309	2906
N20K17P50(1)_10	1.05	1.05	20.00	20.00	3328	3288
N20K17P50(2)_1	0.25	0.25	19.00	20.00	3037	1571
N20K17P50(2)_2	0.06	0.12	20.00	19.00	2188	2529
N20K17P50(2)_3	0.12	0.06	20.00	20.00	1927	2518
N20K17P50(2)_4	0.13	0.06	19.00	20.00	1444	2568
N20K17P50(2)_5	0.14	0.32	20.00	18.00	2046	1722
N20K17P50(2)_6	0.06	0.13	20.00	19.00	2203	1683
N20K17P50(2)_7	0.25	0.12	19.00	19.00	1956	2364
N20K17P50(2)_8	0.12	0.13	19.00	19.00	2221	2463
N20K17P50(2)_9	0.07	0.25	20.00	20.00	1889	2047
N20K17P50(2)_10	0.13	0.25	19.00	19.00	3452	2040
N20K17P50(3)_1	0.00	0.00	20.00	20.00	107	266
N20K17P50(3)_2	0.00	0.00	20.00	20.00	172	172
N20K17P50(3)_3	0.00	0.00	18.00	19.00	219	302
N20K17P50(3)_4	0.00	0.00	20.00	20.00	312	177
N20K17P50(3)_5	0.00	0.00	18.00	20.00	275	270
N20K17P50(3)_6	0.00	0.00	19.00	19.00	195	295
N20K17P50(3)_7	0.00	0.00	19.00	20.00	305	134
N20K17P50(3)_8	0.00	0.00	20.00	20.00	241	153
N20K17P50(3)_9	0.00	0.00	19.00	20.00	119	373
N20K17P50(3)_10	0.00	0.00	20.00	18.00	130	295
N20K17P50(4) ₋ 1	0.14	0.15	20.00	20.00	2114	3055
N20K17P50(4)_2	0.24	0.14	20.00	20.00	2256	2382
N20K17P50(4)_3	0.17	0.25	20.00	20.00	1939	2702
N20K17P50(4)_4	0.36	0.24	19.00	20.00	2013	2438
N20K17P50(4)_5	0.43	0.32	19.00	20.00	3174	2155
N20K17P50(4)_6	0.16	0.29	20.00	19.00	2236	2450
N20K17P50(4)_7	0.18	0.38	20.00	20.00	2422	2064
N20K17P50(4)_8	0.12	0.15	20.00	20.00	2916	4275
N20K17P50(4)_9	0.29	0.28	19.00	20.00	2391	2177
N20K17P50(4)_10	0.24	0.20	20.00	20.00	1941	2041
N20K17P50(5)_1	0.48	0.43	19.00	20.00	1749	3524
N20K17P50(5)_2	0.48	0.32	19.00	20.00	2302	2585
N20K17P50(5)_3	0.48	0.43	20.00	19.00	2440	2353
N20K17P50(5)_4	0.32	0.53	19.00	20.00	1737	2833
N20K17P50(5)_5	0.48	0.50	19.00	19.00	2237	2226
N20K17P50(5)_6	0.35	0.48	19.00	19.00	1771	2126
N20K17P50(5)_7	0.32	0.48	20.00	20.00	2136	2274
N20K17P50(5)_8	0.48	0.43	20.00	20.00	2325	2907
N20K17P50(5)_9	0.34	0.53	20.00	19.00	2073	2239

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K17P50(5)_10	0.32	0.35	20.00	19.00	2361	1751
N20K17P50(6)_1	1.82	1.87	19.00	19.00	2342	1812
N20K17P50(6)_2	1.99	1.99	17.00	19.00	1972	2095
N20K17P50(6)_3	1.82	1.82	20.00	19.00	1978	1714
N20K17F50(6)_4	1.83	1.99	19.00	18.00	2013	2686
N20K17F50(6)_5	1.84	1.83	18.00	18.00	2379	1838
N20K17F50(6)_6	1.82	1.99	20.00	19.00	2170	2976
N20K17F50(6)_7	1.83	1.82	19.00	18.00	$\frac{2170}{1672}$	$\frac{2370}{2752}$
N20K17F50(6)_8	1.84	2.00	18.00	19.00	2734	1700
N20K17F50(6)_9	1.82	1.83	20.00	19.00	2800	2600
N20K17F50(6)_9	2.00	2.01	19.00	19.00	2437	1801
N20K17P50(0)_10	0.51	$\frac{2.01}{0.51}$	18.00	19.00	1702	2591
N20K17F50(7)_1 N20K17P50(7)_2	0.31	$\frac{0.31}{0.47}$	19.00	20.00	1992	2297
` `					2396	2889
N20K17P50(7)_3	0.33	0.33	18.00	19.00		
N20K17P50(7)_4	0.27	0.33	20.00	19.00	2458	3107
N20K17P50(7)_5	0.33	0.47	18.00	20.00	2406	2831
N20K17P50(7)_6	0.27	0.33	19.00	20.00	2402	2901
N20K17P50(7)_7	0.19	0.45	20.00	18.00	2061	2338
N20K17P50(7)_8	0.33	0.51	18.00	19.00	2330	2877
N20K17P50(7)_9	0.33	0.48	18.00	19.00	2063	2202
N20K17P50(7)_10	0.35	0.45	20.00	19.00	2173	3529
N20K17P50(8)_1	1.86	1.84	20.00	20.00	2104	2632
N20K17P50(8)_2	1.83	1.67	19.00	20.00	2250	2568
N20K17P50(8)_3	1.65	1.83	20.00	20.00	2854	2397
N20K17P50(8)_4	1.86	1.67	20.00	20.00	2362	3742
N20K17P50(8)_5	1.67	1.77	20.00	20.00	2489	2448
N20K17P50(8)_6	1.83	1.67	20.00	20.00	3310	3553
N20K17P50(8)_7	1.87	1.66	20.00	20.00	1985	4338
N20K17P50(8)_8	1.67	1.65	20.00	20.00	3388	2934
N20K17P50(8)_9	1.67	1.65	20.00	20.00	3079	2573
N20K17P50(8)_10	1.65	1.87	20.00	20.00	2404	2175
N20K17P50(9)_1	1.56	1.94	20.00	18.00	3381	2672
N20K17P50(9)_2	1.57	1.75	20.00	18.00	3333	3151
N20K17P50(9)_3	1.74	1.74	18.00	20.00	2627	2675
N20K17P50(9)_4	1.57	1.76	19.00	20.00	2786	2302
N20K17P50(9)_5	1.72	1.57	20.00	19.00	2594	3332
N20K17P50(9)_6	1.77	1.74	20.00	20.00	2440	2637
N20K17P50(9)_7	1.88	1.91	19.00	20.00	2185	3628
N20K17P50(9)_8	1.94	1.78	19.00	20.00	2197	2786
N20K17P50(9)_9	1.74	1.75	20.00	19.00	2586	4162
N20K17P50(9)_10	1.74	1.74	19.00	18.00	2346	2853
N20K17P50(10)_1	1.02	1.02	19.00	19.00	2251	2140
N20K17P50(10)_2	1.20	1.03	18.00	20.00	2114	2296
N20K17P50(10)_3	1.02	1.02	19.00	19.00	2208	2303
N20K17P50(10)_4	1.02	1.20	19.00	18.00	1817	2526
N20K17P50(10)_5	1.02	1.20	20.00	18.00	2424	2448
N20K17P50(10)_6	1.02	1.02	19.00	19.00	2942	2602
N20K17P50(10)_7	1.02	1.05	19.00	20.00	2245	2047
N20K17P50(10)_8	1.02	1.03	19.00	20.00	1981	1984
N20K17P50(10)_9	1.03	1.03	19.00	19.00	2004	2393
N20K17P50(10)_10	1.03	1.20	19.00	20.00	2021	2116
N20K17P60(1)_1	2.26	2.11	20.00	20.00	2397	3504
N20K17P60(1)_2	2.32	1.92	20.00	20.00	2823	2292
N20K17P60(1)_3	2.11	1.92	20.00	20.00	2310	2922
N20K17P60(1)_4	1.92	1.92	20.00	20.00	2554	2366
N20K17P60(1)_5	2.12	1.91	20.00	20.00	3252	3286
N20K17P60(1)_6	2.14	2.03	20.00	20.00	3331	3108
11201111100(1)-0	2.17	2.00		20.00	9991	0100

Instance_#Run		oss value	Mulliber	of active MDs	111116	(ms)
IIISMIICC_II IXIII	GA	GGA	GA	GGA	GA	GGA
N20K17P60(1)_7	2.12	1.92	20.00	20.00	2323	3268
N20K17P60(1)_8	2.08	1.92	20.00	20.00	3226	2666
N20K17P60(1)_9	2.11	2.12	20.00	20.00	2512	2545
N20K17P60(1)_10	2.14	1.92	20.00	20.00	2689	2874
N20K17P60(2)_1	0.51	0.52	20.00	20.00	3860	2444
N20K17P60(2)_2	0.69	0.44	19.00	20.00	2600	2758
N20K17P60(2)_3	0.58	0.56	20.00	20.00	2196	3811
N20K17P60(2)_4	0.58	0.44	19.00	20.00	2738	2965
N20K17P60(2)_5	0.56	0.44	20.00	20.00	2888	4767
N20K17P60(2)_6	0.52	0.57	20.00	20.00	2845	2815
N20K17P60(2)_7	0.53	0.55	20.00	20.00	2346	3101
N20K17P60(2)_8	0.51	0.44	20.00	20.00	2263	2382
N20K17P60(2)_9	0.51	0.44	20.00	20.00	2747	3313
N20K17P60(2)_10	0.70	0.58	19.00	20.00	2849	2744
N20K17P60(3)_1	0.11	0.21	20.00	18.00	3019	2513
N20K17P60(3)_2	0.21	0.16	19.00	19.00	2607	2135
N20K17P60(3)_3	0.14	0.19	19.00	19.00	2853	3080
N20K17P60(3)_4	0.18	0.22	18.00	20.00	3407	2786
N20K17P60(3)_5	0.19	0.15	19.00	20.00	2861	2432
N20K17P60(3)_6	0.20	0.17	19.00	20.00	2481	2160
N20K17P60(3)_7	0.16	0.22	19.00	20.00	2420	2310
N20K17P60(3)_8	0.17	0.19	19.00	19.00	2903	2741
N20K17P60(3)_9	0.22	0.26	19.00	19.00	2434	2343
N20K17P60(3)_10	0.17	0.22	19.00	18.00	2486	2579
N20K17P60(4)_1	0.73	0.79	20.00	20.00	3039	3052
N20K17P60(4)_2	0.77	0.71	20.00	20.00	2958	3054
N20K17P60(4)_3	0.71	0.84	20.00	20.00	2558	2638
N20K17P60(4)_4	0.82	0.78	20.00	20.00	2200	3681
N20K17P60(4)_5	0.78	0.80	20.00	20.00	2649	3599
N20K17P60(4)_6 N20K17P60(4)_7	0.79 0.85	$0.75 \\ \hline 0.74$	20.00	20.00	3061 3303	3605 2963
N20K17P60(4)_7 N20K17P60(4)_8	0.84	0.74	20.00	20.00	3318	2438
N20K17P60(4)_8 N20K17P60(4)_9	0.74	0.78	20.00	20.00	2881	4104
N20K17F60(4)_10	0.74	0.71	20.00	20.00	2548	2641
N20K17P60(5)_1	1.16	0.17	19.00	20.00	2359	2633
N20K17P60(5)_2	0.96	0.98	20.00	20.00	$\frac{2559}{2552}$	3650
N20K17P60(5)_3	1.12	0.98	20.00	20.00	2396	3143
N20K17P60(5)_4	1.16	0.97	19.00	20.00	2046	2896
N20K17P60(5)_5	0.98	0.99	20.00	20.00	2829	3388
N20K17P60(5)_6	0.96	1.29	20.00	20.00	2717	2411
N20K17P60(5)_7	1.03	0.99	20.00	20.00	3995	2120
N20K17P60(5)_8	0.99	0.99	20.00	20.00	3400	2691
N20K17P60(5)_9	0.99	0.97	20.00	20.00	2630	3067
N20K17P60(5)_10	0.98	0.99	20.00	20.00	2404	2914
N20K17P60(6)_1	2.95	2.78	20.00	18.00	1934	2109
N20K17P60(6)_2	2.76	2.78	19.00	19.00	2211	2466
N20K17P60(6)_3	2.88	2.78	18.00	19.00	2246	2456
N20K17P60(6)_4	2.93	2.94	20.00	18.00	2315	2336
N20K17P60(6)_5	2.96	2.81	19.00	20.00	2216	2513
N20K17P60(6)_6	2.80	2.77	18.00	19.00	2243	3011
N20K17P60(6)_7	2.80	2.94	19.00	18.00	2506	2444
N20K17P60(6)_8	2.92	3.08	17.00	19.00	2625	2017
N20K17P60(6)_9	2.97	2.79	19.00	18.00	1902	2478
N20K17P60(6)_10	2.86	2.78	20.00	19.00	3849	2924
N20K17P60(7)_1	1.32	1.23	19.00	20.00	2338	2702
N20K17P60(7)_2	1.35	1.16	19.00	20.00	3189	3927
N20K17P60(7)_3	1.15	1.29	20.00	19.00	2450	2597

N20K17P60(7).4		Total lo	ss value	Number	of active MDs	Time	(ms)
N20K17P60(7) 5	Instance_#Run			GA	GGA		GGA
N20K17P60(7) 5	N20K17P60(7) 4	1.15	1.20	19.00	20.00	2698	2438
N20K17P60(7).6	` '						
N20K17P60(7).7	` '						
N20K17P60(7).8	` '						
N20K17P60(7).9	` ′						
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N20K17P70(1)_10 3.12 3.22 20.00 20.00 2730 2724 N20K17P70(2)_1 1.45 1.43 20.00 20.00 4498 2504 N20K17P70(2)_2 1.41 1.38 20.00 20.00 2077 2359 N20K17P70(2)_3 1.47 1.31 20.00 20.00 2049 2708 N20K17P70(2)_4 1.29 1.43 20.00 19.00 1953 2606 N20K17P70(2)_5 1.37 1.31 20.00 20.00 2825 3968 N20K17P70(2)_6 1.28 1.65 20.00 20.00 2971 2055 N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	` ′						
N20K17P70(2)_1 1.45 1.43 20.00 20.00 4498 2504 N20K17P70(2)_2 1.41 1.38 20.00 20.00 2077 2359 N20K17P70(2)_3 1.47 1.31 20.00 20.00 2049 2708 N20K17P70(2)_4 1.29 1.43 20.00 19.00 1953 2606 N20K17P70(2)_5 1.37 1.31 20.00 20.00 2825 3968 N20K17P70(2)_6 1.28 1.65 20.00 20.00 2971 2055 N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	` ′						
N20K17P70(2)_2 1.41 1.38 20.00 20.00 2077 2359 N20K17P70(2)_3 1.47 1.31 20.00 20.00 2049 2708 N20K17P70(2)_4 1.29 1.43 20.00 19.00 1953 2606 N20K17P70(2)_5 1.37 1.31 20.00 20.00 2825 3968 N20K17P70(2)_6 1.28 1.65 20.00 20.00 2971 2055 N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	* *						
N20K17P70(2)_3 1.47 1.31 20.00 20.00 2049 2708 N20K17P70(2)_4 1.29 1.43 20.00 19.00 1953 2606 N20K17P70(2)_5 1.37 1.31 20.00 20.00 2825 3968 N20K17P70(2)_6 1.28 1.65 20.00 20.00 2971 2055 N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380							
N20K17P70(2)_4 1.29 1.43 20.00 19.00 1953 2606 N20K17P70(2)_5 1.37 1.31 20.00 20.00 2825 3968 N20K17P70(2)_6 1.28 1.65 20.00 20.00 2971 2055 N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	` '						
N20K17P70(2)_5 1.37 1.31 20.00 20.00 2825 3968 N20K17P70(2)_6 1.28 1.65 20.00 20.00 2971 2055 N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	` '						
N20K17P70(2)_6 1.28 1.65 20.00 20.00 2971 2055 N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	` '						
N20K17P70(2)_7 1.32 1.52 20.00 20.00 2026 1916 N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	` ′						
N20K17P70(2)_8 1.50 1.54 19.00 19.00 3149 2380	` '						
, ,	` '						1916
N20K17P70(2)_9 1.41 1.49 20.00 20.00 3277 2472	` '						
` '	` '						2472
N20K17P70(2)_10 1.39 1.37 20.00 20.00 2712 3017	N20K17P70(2)_10	1.39	1.37	20.00	$2\overline{0.00}$	$2\overline{712}$	$3\overline{017}$

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K17P70(3)_1	0.66	0.96	20.00	19.00	4644	2074
N20K17P70(3)_2	0.64	0.83	20.00	18.00	2678	2045
N20K17P70(3)_3	1.01	0.84	18.00	18.00	2147	2327
N20K17P70(3)_4	0.71	0.83	19.00	18.00	3713	2242
N20K17P70(3)_5	0.88	0.84	20.00	18.00	2249	2107
N20K17F70(3)_6	1.01	0.85	19.00	19.00	2368	2160
N20K17F70(3)_7	0.88	0.83	20.00	18.00	2341	2213
N20K17P70(3)_7	0.88	0.88	18.00	18.00	2171	2737
N20K17P70(3)_8 N20K17P70(3)_9	0.93	0.00	20.00		2992	2167
` '				17.00	2992	
N20K17P70(3)_10	1.08	0.88	18.00	19.00		2919
N20K17P70(4)_1	1.84	1.72	20.00	20.00	2695	3069
N20K17P70(4)_2	1.94	1.67	20.00	20.00	2377	2656
N20K17P70(4)_3	1.65	1.73	20.00	20.00	2755	2969
N20K17P70(4)_4	1.72	1.78	20.00	20.00	2620	3911
N20K17P70(4)_5	1.80	1.69	20.00	20.00	2649	3008
N20K17P70(4)_6	1.73	1.83	20.00	20.00	2427	2650
N20K17P70(4)_7	1.80	1.71	20.00	20.00	2750	2853
N20K17P70(4)_8	1.72	1.67	20.00	20.00	2582	3720
N20K17P70(4)_9	1.68	1.64	20.00	20.00	3154	4001
N20K17P70(4)_10	1.83	1.67	20.00	20.00	2591	2798
N20K17P70(5)_1	2.28	2.28	19.00	20.00	2898	4444
N20K17P70(5)_2	1.98	2.21	20.00	20.00	2211	2784
N20K17P70(5)_3	2.09	2.12	20.00	20.00	2543	3126
N20K17P70(5)_4	2.12	1.99	20.00	20.00	2916	2872
N20K17P70(5)_5	1.99	2.04	20.00	20.00	3533	3363
N20K17P70(5)_6	2.22	1.99	20.00	20.00	2640	3093
N20K17P70(5)_7	2.07	2.17	19.00	20.00	2378	3364
N20K17P70(5)_8	2.08	2.17	20.00	20.00	2519	3661
N20K17P70(5)_9	2.15	2.12	20.00	20.00	2557	2448
N20K17P70(5)_10	2.19	2.28	19.00	20.00	2386	2169
N20K17P70(6)_1	4.02	4.11	19.00	20.00	3065	2157
N20K17P70(6)_2	4.02	4.19	19.00	18.00	2595	2263
N20K17P70(6)_3	4.14	4.08	19.00	19.00	3554	2126
N20K17P70(6)_4	4.15	4.02	20.00	19.00	2462	2501
N20K17P70(6)_5	4.15	3.99	18.00	18.00	2552	$\frac{2501}{2585}$
N20K17F70(6)_6	3.94	4.19	20.00	19.00	3317	$\frac{2384}{2384}$
N20K17F70(6)_7	4.06	4.13	20.00	19.00	2550	$\frac{2364}{2742}$
N20K17F70(6)_8	4.03	4.03	19.00	18.00	$\frac{2350}{2254}$	2231
N20K17F70(6)_8	4.03	4.05	17.00	18.00	2511	2840
N20K17F70(6)_9 N20K17P70(6)_10	4.22	4.05	18.00	20.00	2735	2829
` '						
N20K17P70(7)_1 N20K17P70(7)_2	2.61	2.63 2.63	19.00	19.00 20.00	3155 2631	3179 2890
` ′						
N20K17P70(7)_3	2.57	2.80	20.00	19.00	2852	2377
N20K17P70(7)_4	2.62	2.49	19.00	20.00	3989	2568
N20K17P70(7)_5	2.63	2.62	20.00	19.00	2302	2625
N20K17P70(7)_6	2.65	2.66	19.00	20.00	2764	2217
N20K17P70(7)_7	2.51	2.66	20.00	20.00	2527	2516
N20K17P70(7)_8	2.64	2.64	19.00	20.00	2361	2821
N20K17P70(7)_9	2.54	2.64	20.00	20.00	3221	2704
N20K17P70(7)_10	2.61	2.46	19.00	20.00	3865	3095
N20K17P70(8)_1	4.50	4.58	20.00	20.00	2735	2611
N20K17P70(8)_2	4.39	4.32	20.00	20.00	2274	2783
N20K17P70(8)_3	4.47	4.58	20.00	19.00	1860	2278
N20K17P70(8)_4	4.40	4.53	20.00	20.00	2651	1949
N20K17P70(8)_5	4.45	4.46	20.00	20.00	2719	2819
N20K17P70(8)_6	4.29	4.42	20.00	20.00	2451	2107
N20K17P70(8)_7	4.44	4.43	20.00	20.00	2387	4391

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K17P70(8)_8	4.57	4.57	19.00	20.00	2269	2937
N20K17F70(8)_9	4.53	4.45	20.00	20.00	1931	2469
N20K17F70(8)_10	4.51	4.56	20.00	20.00	2729	2604
N20K17P70(9)_1	4.32	4.49	20.00	20.00	5062	3276
N20K17F70(9)_2	4.37	4.35	20.00	20.00	2604	3359
N20K17F70(9)_3	4.37	4.44	20.00	20.00	2379	2553
N20K17F70(9)_4	4.42	4.31	19.00	20.00	2196	$\frac{2333}{2234}$
N20K17F70(9)_5	4.29	$\frac{4.31}{4.37}$	20.00	20.00	2707	2488
N20K17F70(9)_6	4.48	4.37	20.00	20.00	2523	2032
N20K17F70(9)_7	4.36	4.23	20.00	20.00	3810	3546
N20K17P70(9)_8	4.41	4.20	20.00	20.00	3689	2412
N20K17P70(9)_9	4.37	4.20	20.00	20.00	2858	2703
N20K17P70(9)_10	4.37	4.30	20.00	20.00	2656	4069
N20K17P70(10)_1	2.58	$\frac{4.50}{2.54}$	18.00	20.00	3121	2644
N20K17P70(10)_2	2.43	$\frac{2.54}{2.58}$	20.00	18.00	2108	3157
N20K17P70(10)_3	2.58	$\frac{2.36}{2.44}$	18.00	19.00	2640	3197
N20K17P70(10)_4	2.43	2.45	19.00	19.00	2926	3598
N20K17P70(10)_5	2.62	$\frac{2.43}{2.44}$	19.00	19.00	2010	2931
N20K17P70(10)_6	2.61	2.61	19.00	19.00	2072	$\frac{2331}{2244}$
N20K17P70(10)_7	2.44	$\frac{2.01}{2.47}$	19.00	20.00	3097	2640
N20K17P70(10)_8	2.62	2.62	20.00	18.00	1882	2011
N20K17P70(10)_9	2.58	$\frac{2.02}{2.44}$	19.00	19.00	2268	2035
N20K17P70(10)_9	2.59	2.44	20.00	19.00	1835	4050
N20K17F70(10)_10 N20K17P80(1)_1	4.47	4.32	20.00	20.00	2363	2729
N20K17F80(1)_1 N20K17P80(1)_2	4.52	$\frac{4.32}{4.25}$	20.00	20.00	2178	2415
N20K17F80(1)_3	4.31	4.12	20.00	20.00	2541	2542
N20K17P80(1)_4	4.12	4.12	20.00	20.00	3061	$\frac{2342}{2445}$
N20K17P80(1)_5	4.12	4.32	20.00	20.00	2741	2677
N20K17P80(1)_6	4.32	4.12	20.00	20.00	2587	2951
N20K17F80(1)_0 N20K17P80(1)_7	4.34	4.12	20.00	20.00	2770	2466
N20K17P80(1)_8	4.46	4.17	20.00	20.00	2419	3190
N20K17P80(1)_8	4.33	4.17	20.00	20.00	4068	4825
N20K17P80(1)_9	4.34	$\frac{4.12}{4.45}$	20.00	20.00	3111	2469
N20K17P80(2)_1	2.28	2.12	20.00	20.00	3724	3445
N20K17P80(2)_2	2.23	$\frac{2.12}{2.21}$	20.00	20.00	2156	2500
N20K17F80(2)_2 N20K17P80(2)_3	2.23	$\frac{2.21}{2.22}$	20.00	20.00	2476	2622
N20K17P80(2)_4	2.33	$\frac{2.22}{2.21}$	19.00	20.00	2580	2341
N20K17P80(2)_5	2.33	$\frac{2.21}{2.11}$	20.00	20.00	2727	2372
N20K17P80(2)_6	2.08	$\frac{2.11}{2.16}$	20.00	20.00	2416	2359
N20K17F80(2)_7	2.26	$\frac{2.10}{2.20}$	20.00	20.00	2279	$\frac{2359}{2453}$
N20K17P80(2)_8	2.20	$\frac{2.20}{2.21}$	19.00	20.00	2041	2179
N20K17F80(2)_8 N20K17P80(2)_9	2.31	$\frac{2.21}{2.20}$	20.00	20.00	3958	2482
N20K17P80(2)_9	2.22	$\frac{2.20}{2.22}$	20.00	20.00	2363	2896
N20K17P80(3)_1	1.20	1.53	20.00	17.00	1985	2191
N20K17F80(3)_1 N20K17P80(3)_2	1.39	1.37	18.00	18.00	2881	1538
N20K17F80(3)_2 N20K17P80(3)_3	1.43	1.37	19.00	20.00	2567	2896
N20K17P80(3)_3	1.45	1.37	19.00	18.00	2913	1715
N20K17F80(3)_5	1.30	1.37	19.00	18.00	2394	1866
N20K17F80(3)_6	1.34	1.37	20.00	18.00	2410	1680
N20K17F80(3)_7	1.39	1.54	19.00	17.00	2659	1940
N20K17F80(3)_8	1.33	1.37	19.00	18.00	2438	1940
N20K17P80(3)_9	1.54	1.53	17.00	17.00	2055	2331
N20K17P80(3)_9	1.54	1.54	17.00	17.00	2109	1846
N20K17P80(4)_1	2.59	$\frac{1.54}{2.53}$	20.00	20.00	2511	3553
N20K17P80(4)_1	2.61	$\frac{2.53}{2.64}$	20.00	20.00	3488	3565
N20K17P80(4)_2 N20K17P80(4)_3	2.52	$\frac{2.04}{2.67}$	20.00	20.00	2926	3090
N20K17F80(4)_4	2.58	$\frac{2.67}{2.67}$	20.00	20.00	2281	3120
11201111 00(4)_4	2.00	4.01	20.00	40.00	2201	0140

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N20K17P80(4)_5	2.60	2.61	20.00	20.00	3971	3242
N20K17P80(4)_6	2.60	2.59	20.00	20.00	3929	3223
N20K17P80(4)_7	2.60	2.55	20.00	20.00	2067	3556
N20K17P80(4)_8	2.52	2.62	20.00	20.00	3242	3376
N20K17P80(4)_9	2.70	$\frac{2.52}{2.52}$	20.00	20.00	2378	4110
N20K17P80(4)_10	2.60	$\frac{2.52}{2.62}$	20.00	20.00	2712	4133
N20K17F80(5)_1	3.12	3.02	19.00	20.00	2586	3419
N20K17F80(5)_2	3.20	2.99	20.00	20.00	2879	5297
N20K17F80(5)_3	2.99	$\frac{2.33}{3.12}$	20.00	20.00	3038	4736
N20K17F80(5)_4	3.22	3.14	20.00	20.00	2476	3143
N20K17F80(5)_5	2.99	3.13	20.00	20.00	3076	2379
N20K17P80(5)_6	2.99	3.13	20.00	20.00	3928	2782
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N20K17P80(5)_7	3.19	2.99	19.00	20.00	3133	3026 2120
N20K17P80(5)_8	3.04	3.21	20.00	20.00	4343	
N20K17P80(5)_9	3.21	3.29	19.00	20.00	2276	2875
N20K17P80(5)_10	3.13	3.13	20.00	19.00	2891	2306
N20K17P80(6)_1	5.01	5.12	19.00	19.00	2189	1845
N20K17P80(6)_2	5.14	5.29	18.00	17.00	2047	2283
N20K17P80(6)_3	5.13	5.12	19.00	19.00	2580	3208
N20K17P80(6)_4	5.13	5.12	19.00	19.00	2007	2420
N20K17P80(6)_5	5.13	5.20	19.00	19.00	3379	2074
N20K17P80(6)_6	5.13	5.29	18.00	19.00	3641	2441
N20K17P80(6)_7	5.22	5.29	20.00	18.00	2835	2096
N20K17P80(6)_8	5.18	5.26	19.00	20.00	2639	2217
N20K17P80(6)_9	5.00	5.12	19.00	19.00	2641	3651
N20K17P80(6)_10	5.13	5.20	19.00	20.00	3090	2199
N20K17P80(7)_1	3.87	3.82	20.00	20.00	2820	3152
N20K17P80(7)_2	3.71	3.83	20.00	20.00	2887	3432
N20K17P80(7)_3	3.76	3.77	20.00	20.00	2557	3229
N20K17P80(7)_4	3.83	3.70	20.00	20.00	2176	3215
N20K17P80(7)_5	3.97	3.74	19.00	20.00	2597	2633
N20K17P80(7)_6	3.73	3.71	20.00	20.00	2806	2884
N20K17P80(7)_7	3.70	3.69	20.00	20.00	3009	4149
N20K17P80(7)_8	3.67	3.71	20.00	20.00	4130	2837
N20K17P80(7)_9	3.81	3.80	20.00	20.00	3221	3429
N20K17P80(7)_10	3.73	3.73	20.00	20.00	2806	2267
N20K17P80(8) ₋ 1	5.78	5.64	19.00	20.00	1846	2656
N20K17P80(8)_2	5.60	5.61	20.00	20.00	2212	1880
N20K17P80(8)_3	5.60	5.60	20.00	19.00	1797	2790
N20K17P80(8)_4	5.65	5.60	20.00	20.00	2071	2502
N20K17P80(8)_5	5.66	5.78	20.00	20.00	2414	2522
N20K17P80(8)_6	5.47	5.60	20.00	19.00	2419	2215
N20K17P80(8)_7	5.78	5.78	18.00	19.00	1990	2359
N20K17P80(8)_8	5.78	5.77	19.00	20.00	2053	2022
N20K17P80(8)_9	5.61	5.60	20.00	19.00	2882	2073
N20K17P80(8)_10	5.60	5.61	19.00	20.00	2317	2043
N20K17P80(9)_1	5.69	5.77	20.00	20.00	3159	3379
N20K17P80(9)_2	5.76	5.84	20.00	20.00	2477	2545
N20K17P80(9)_3	5.67	5.74	20.00	20.00	3403	3046
N20K17P80(9)_4	5.83	5.71	20.00	20.00	2920	2847
N20K17P80(9)_5	5.85	5.85	20.00	20.00	3241	2797
N20K17P80(9)_6	5.65	5.76	20.00	20.00	2855	2135
N20K17P80(9)_7	5.71	5.80	20.00	20.00	2221	3234
N20K17P80(9)_8	5.69	5.82	20.00	20.00	2576	2807
N20K17P80(9)_9	5.64	5.71	20.00	20.00	2178	2765
N20K17P80(9)_10	5.79	6.00	20.00	20.00	2838	2275
N20K17P80(10)_1	3.14	3.34	20.00	18.00	2538	1923
1 - 1 (- 4)						

N20K17P80(10)_2 3.28 3.17 18.00 19.00 246 N20K17P80(10)_3 3.14 3.16 20.00 19.00 370 N20K17P80(10)_4 3.28 3.14 18.00 19.00 281 N20K17P80(10)_5 3.14 3.28 20.00 18.00 295 N20K17P80(10)_6 3.14 3.14 20.00 19.00 215 N20K17P80(10)_7 3.32 3.32 19.00 18.00 205 N20K17P80(10)_8 3.29 3.14 18.00 19.00 244 N20K17P80(10)_9 3.29 3.32 19.00 19.00 244 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_11 0.00 0.00 27.00 10.00 9	64 2419 00 2869 19 2703 66 2714 55 4389 02 2618 18 3859 15 1666 81 4810
N20K17P80(10)_3 3.14 3.16 20.00 19.00 370 N20K17P80(10)_4 3.28 3.14 18.00 19.00 281 N20K17P80(10)_5 3.14 3.28 20.00 18.00 295 N20K17P80(10)_6 3.14 3.14 20.00 19.00 215 N20K17P80(10)_7 3.32 3.32 19.00 18.00 205 N20K17P80(10)_8 3.29 3.14 18.00 19.00 244 N20K17P80(10)_9 3.29 3.32 19.00 19.00 164 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	2869 2703 56 2714 55 4389 92 2618 18 3859 45 1666 31 4810
N20K17P80(10)_3 3.14 3.16 20.00 19.00 370 N20K17P80(10)_4 3.28 3.14 18.00 19.00 281 N20K17P80(10)_5 3.14 3.28 20.00 18.00 295 N20K17P80(10)_6 3.14 3.14 20.00 19.00 215 N20K17P80(10)_7 3.32 3.32 19.00 18.00 205 N20K17P80(10)_8 3.29 3.14 18.00 19.00 244 N20K17P80(10)_9 3.29 3.32 19.00 19.00 164 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	19 2703 16 2714 15 4389 10 2618 18 3859 15 1666 16 4810
N20K17P80(10)_4 3.28 3.14 18.00 19.00 281 N20K17P80(10)_5 3.14 3.28 20.00 18.00 295 N20K17P80(10)_6 3.14 3.14 20.00 19.00 215 N20K17P80(10)_7 3.32 3.32 19.00 18.00 209 N20K17P80(10)_8 3.29 3.14 18.00 19.00 244 N20K17P80(10)_9 3.29 3.32 19.00 19.00 164 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	19 2703 16 2714 15 4389 10 2618 18 3859 15 1666 16 4810
N20K17P80(10)_6 3.14 3.14 20.00 19.00 215 N20K17P80(10)_7 3.32 3.32 19.00 18.00 209 N20K17P80(10)_8 3.29 3.14 18.00 19.00 244 N20K17P80(10)_9 3.29 3.32 19.00 19.00 164 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	55 4389 92 2618 18 3859 15 1666 181 4810
N20K17P80(10)_7 3.32 3.32 19.00 18.00 209 N20K17P80(10)_8 3.29 3.14 18.00 19.00 244 N20K17P80(10)_9 3.29 3.32 19.00 19.00 164 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	92 2618 48 3859 45 1666 31 4810
N20K17P80(10)_7 3.32 3.32 19.00 18.00 209 N20K17P80(10)_8 3.29 3.14 18.00 19.00 244 N20K17P80(10)_9 3.29 3.32 19.00 19.00 164 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	48 3859 45 1666 81 4810
N20K17P80(10)_9 3.29 3.32 19.00 19.00 164 N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	48 3859 45 1666 81 4810
N20K17P80(10)_10 3.28 3.15 19.00 19.00 238 N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	81 4810
N30K10P50(1)_1 0.00 0.00 27.00 10.00 9	
	10
N30K10P50(1) 2 0.00 0.00 96.00 10.00 0	10
N30K10P50(1)_2 0.00 0.00 26.00 10.00 9	9
N30K10P50(1)_3) 10
N30K10P50(1)_4 0.00 0.00 25.00 10.00 9	10
N30K10P50(1)_5 0.00 0.00 23.00 10.00 9	9
N30K10P50(1)_6 0.00 0.00 22.00 10.00 9	10
N30K10P50(1)_7 0.00 0.00 23.00 10.00 9	10
N30K10P50(1)_8 0.00 0.00 26.00 10.00 10) 10
N30K10P50(1)_9 0.00 0.00 24.00 10.00 9	9
N30K10P50(1)_10	10
N30K10P50(2)_1 0.00 0.00 28.00 10.00 10	10
N30K10P50(2)_2 0.00 0.00 27.00 10.00 10) 10
N30K10P50(2)_3 0.00 0.00 29.00 10.00 10) 10
N30K10P50(2)_4 0.00 0.00 29.00 10.00 10) 10
N30K10P50(2)_5 0.00 0.00 27.00 10.00 9	10
N30K10P50(2)_6 0.00 0.00 23.00 10.00 10) 10
N30K10P50(2)_7 0.00 0.00 25.00 10.00 10) 10
N30K10P50(2)_8 0.00 0.00 27.00 10.00 9	10
N30K10P50(2)_9 0.00 0.00 26.00 10.00 9	10
N30K10P50(2)_10 0.00 0.00 23.00 10.00 10) 10
N30K10P50(3)_1 0.00 0.00 29.00 10.00 10) 10
N30K10P50(3).2 0.00 0.00 26.00 10.00 10) 11
N30K10P50(3)_3 0.00 0.00 28.00 10.00 10) 11
N30K10P50(3)_4 0.00 0.00 30.00 10.00 10) 11
N30K10P50(3)_5 0.00 0.00 30.00 10.00 10) 11
N30K10P50(3)_6 0.00 0.00 30.00 10.00 17	7 10
N30K10P50(3)_7 0.00 0.00 23.00 10.00 10) 11
N30K10P50(3)_8 0.00 0.00 29.00 10.00 10) 10
N30K10P50(3)_9 0.00 0.00 29.00 10.00 10) 11
N30K10P50(3)_10 0.00 0.00 24.00 10.00 10) 10
N30K10P50(4)_1 0.00 0.00 25.00 10.00 9	10
N30K10P50(4)_2 0.00 0.00 22.00 10.00 9	11
N30K10P50(4)_3 0.00 0.00 24.00 10.00 10) 10
N30K10P50(4)_4 0.00 0.00 22.00 10.00 10) 10
N30K10P50(4)_5 0.00 0.00 25.00 10.00 10) 11
N30K10P50(4)_6 0.00 0.00 22.00 10.00 10) 10
N30K10P50(4)_7 0.00 0.00 25.00 10.00 10) 10
N30K10P50(4)_8 0.00 0.00 21.00 10.00 9	
N30K10P50(4)_9 0.00 0.00 21.00 10.00 9	
N30K10P50(4)_10 0.00 0.00 23.00 10.00 10	
N30K10P50(5)_1 0.00 0.00 26.00 10.00 25	
N30K10P50(5)_2 0.00 0.00 30.00 10.00 10	
N30K10P50(5)_3 0.00 0.00 29.00 10.00 11	
N30K10P50(5)_4 0.00 0.00 28.00 10.00 10	
N30K10P50(5)_5 0.00 0.00 28.00 10.00 17	
N30K10P50(5)_6 0.00 0.00 27.00 10.00 11	. 11
N30K10P50(5)_7 0.00 0.00 28.00 10.00 10) 11
N30K10P50(5)_8 0.00 0.00 27.00 10.00 10	10

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K10P50(5)_9	0.00	0.00	26.00	10.00	10	11
N30K10P50(5)_10	0.00	0.00	29.00	10.00	10	11
N30K10P50(6)_1	0.00	0.00	27.00	10.00	10	11
N30K10P50(6)_2	0.00	0.00	26.00	10.00	11	11
N30K10P50(6)_3	0.00	0.00	26.00	10.00	11	11
N30K10P50(6)_4	0.00	0.00	28.00	10.00	10	11
N30K10P50(6)_5	0.00	0.00	27.00	10.00	11	11
N30K10P50(6)_6	0.00	0.00	25.00	10.00	10	11
N30K10P50(6)_7	0.00	0.00	28.00	10.00	11	11
N30K10P50(6)_8	0.00	0.00	29.00	10.00	11	11
N30K10P50(6)_9	0.00	0.00	24.00	10.00	10	11
N30K10P50(6)_10	0.00	0.00	23.00	10.00	10	11
N30K10P50(7) ₋ 1	0.00	0.00	22.00	10.00	9	10
N30K10P50(7)_2	0.00	0.00	24.00	10.00	10	11
N30K10P50(7)_3	0.00	0.00	21.00	10.00	10	10
N30K10P50(7)_4	0.00	0.00	20.00	10.00	10	11
N30K10P50(7)_5	0.00	0.00	23.00	10.00	10	10
N30K10P50(7)_6	0.00	0.00	23.00	10.00	10	11
N30K10P50(7)_7	0.00	0.00	21.00	10.00	10	10
N30K10P50(7)_8	0.00	0.00	23.00	10.00	9	11
N30K10P50(7)_9	0.00	0.00	21.00	10.00	10	10
N30K10P50(7)_10	0.00	0.00	24.00	10.00	10	11
N30K10P50(8)_1	0.00	0.00	29.00	10.00	10	11
N30K10P50(8)_2	0.00	0.00	25.00	10.00	10	11
N30K10P50(8)_3	0.00	0.00	27.00	10.00	11	10
N30K10P50(8)_4	0.00	0.00	26.00	10.00	10	11
N30K10P50(8)_5	0.00	0.00	24.00	10.00	10	10
N30K10P50(8)_6	0.00	0.00	26.00	10.00	10	11
N30K10P50(8)_7	0.00	0.00	24.00	10.00	10	10
N30K10P50(8)_8	0.00	0.00	26.00	10.00	10	11
N30K10P50(8)_9	0.00	0.00	25.00	10.00	10	11
N30K10P50(8)_10	0.00	0.00	28.00	10.00	10	10
N30K10P50(9)_1	0.00	0.00	22.00	28.00	458	138
N30K10P50(9)_2	0.00	0.00	23.00	27.00	704	223
N30K10P50(9)_3	0.00	0.00	28.00	27.00	327	207
N30K10P50(9)_4	0.00	0.00	30.00	30.00	532	233
N30K10P50(9)_5	0.00	0.00	29.00	26.00	537	171
N30K10P50(9)_6	0.00	0.00	26.00	26.00	435	192
N30K10P50(9)_7	0.00	0.00	28.00	27.00	333	151
N30K10P50(9)_8	0.00	0.00	30.00	28.00	269	157
N30K10P50(9)_9 N30K10P50(9)_10	0.00	0.00	29.00 29.00	24.00 24.00	$\frac{278}{309}$	$\frac{144}{126}$
N30K10P50(9)_10 N30K10P50(10)_1	0.00	0.00	29.00	10.00	10	126
N30K10P50(10)_1 N30K10P50(10)_2	0.00	0.00	28.00	10.00	10	11
N30K10P50(10)_2 N30K10P50(10)_3	0.00	0.00	25.00	10.00	9	11
N30K10P50(10)_3	0.00	0.00	26.00	10.00	10	10
N30K10P50(10)_4 N30K10P50(10)_5	0.00	0.00	28.00	10.00	10	10
N30K10P50(10)_5 N30K10P50(10)_6	0.00	0.00	27.00	10.00	10	11
N30K10P50(10)_0 N30K10P50(10)_7	0.00	0.00	27.00	10.00	10	11
N30K10P50(10)_/ N30K10P50(10)_8	0.00	0.00	28.00	10.00	10	10
N30K10P50(10)_8	0.00	0.00	24.00	10.00	10	11
N30K10P50(10)_10	0.00	0.00	28.00	10.00	11	11
N30K10P60(1)_1	0.00	0.00	30.00	10.00	22	10
N30K10P60(1)_2	0.00	0.00	28.00	10.00	$\frac{22}{42}$	9
N30K10P60(1)_3	0.00	0.00	28.00	10.00	34	10
N30K10P60(1)_4	0.00	0.00	28.00	10.00	15	9
N30K10P60(1)_5	0.00	0.00	28.00	10.00	9	10
113011101 00(1)_3	0.00	0.00	20.00	10.00	<i>J</i>	10

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K10P60(1)_6	0.00	0.00	29.00	10.00	28	10
N30K10P60(1)_7	0.00	0.00	30.00	10.00	9	9
N30K10P60(1)_8	0.00	0.00	28.00	10.00	35	10
N30K10P60(1)_9	0.00	0.00	30.00	10.00	22	9
N30K10P60(1)_10	0.00	0.00	28.00	10.00	15	10
N30K10P60(2)_1	0.00	0.00	30.00	10.00	17	10
N30K10P60(2)_2	0.00	0.00	30.00	10.00	84	10
N30K10P60(2)_2	0.00	0.00	30.00	10.00	24	10
N30K10P60(2)_3		0.00	29.00		52	
` '	0.00			10.00		10
N30K10P60(2)_5	0.00	0.00	30.00	10.00	9	11
N30K10P60(2)_6	0.00	0.00	26.00	10.00	30	10
N30K10P60(2)_7	0.00	0.00	29.00	10.00	10	10
N30K10P60(2)_8	0.00	0.00	24.00	10.00	44	11
N30K10P60(2)_9	0.00	0.00	30.00	10.00	10	10
N30K10P60(2)_10	0.00	0.00	30.00	10.00	52	10
N30K10P60(3)_1	0.00	0.00	30.00	13.00	18	10
N30K10P60(3)_2	0.00	0.00	30.00	13.00	86	11
N30K10P60(3)_3	0.00	0.00	29.00	13.00	17	10
N30K10P60(3)_4	0.00	0.00	29.00	13.00	88	11
N30K10P60(3)_5	0.00	0.00	29.00	13.00	39	11
N30K10P60(3)_6	0.00	0.00	29.00	13.00	10	11
N30K10P60(3)_7	0.00	0.00	30.00	13.00	121	10
N30K10P60(3)_8	0.00	0.00	27.00	13.00	88	11
N30K10P60(3)_9	0.00	0.00	29.00	13.00	31	11
N30K10P60(3)_10	0.00	0.00	26.00	13.00	10	10
N30K10P60(4)_1	0.00	0.00	27.00	11.00	10	10
N30K10P60(4)_2	0.00	0.00	29.00	11.00	16	10
N30K10P60(4)_3	0.00	0.00	28.00	11.00	10	11
N30K10P60(4)_4	0.00	0.00	28.00	11.00	17	10
N30K10P60(4)_5	0.00	0.00	29.00	11.00	9	10
N30K10P60(4)_6	0.00	0.00	30.00	11.00	9	11
N30K10P60(4)_7	0.00	0.00	26.00	11.00	9	10
N30K10P60(4)_8	0.00	0.00	29.00	11.00	10	11
N30K10P60(4)_9	0.00	0.00	30.00	11.00	10	10
N30K10P60(4)_10	0.00	0.00	29.00	11.00	9	10
N30K10P60(5)_1	0.00	0.00	26.00	16.00	124	11
N30K10P60(5)_1	0.00	0.00	30.00	16.00	189	10
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N30K10P60(5)_3	0.00	0.00	30.00	16.00	31	10
N30K10P60(5)_4	0.00	0.00	27.00	16.00	38	10
N30K10P60(5)_5	0.00	0.00	29.00	16.00	104	11
N30K10P60(5)_6	0.00	0.00	30.00	16.00	74	11
N30K10P60(5)_7	0.00	0.00	28.00	16.00	87	11
N30K10P60(5)_8	0.00	0.00	27.00	16.00	68	11
N30K10P60(5)_9	0.00	0.00	27.00	16.00	155	10
N30K10P60(5)_10	0.00	0.00	29.00	16.00	60	10
N30K10P60(6)_1	0.00	0.00	30.00	16.00	63	11
N30K10P60(6)_2	0.00	0.00	27.00	16.00	93	11
N30K10P60(6)_3	0.00	0.00	30.00	16.00	48	11
N30K10P60(6)_4	0.00	0.00	27.00	16.00	70	11
N30K10P60(6)_5	0.00	0.00	29.00	16.00	50	11
N30K10P60(6)_6	0.00	0.00	29.00	16.00	84	11
N30K10P60(6)_7	0.00	0.00	28.00	16.00	188	10
N30K10P60(6)_8	0.00	0.00	28.00	16.00	56	10
N30K10P60(6)_9	0.00	0.00	28.00	16.00	48	11
N30K10P60(6)_10	0.00	0.00	29.00	16.00	122	11
N30K10P60(7)_1	0.00	0.00	30.00	10.00	24	10
N30K10P60(7)_2	0.00	0.00	27.00	10.00	23	10

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K10P60(7)_3	0.00	0.00	27.00	10.00	10	10
N30K10P60(7)_4	0.00	0.00	28.00	10.00	10	11
N30K10P60(7)_5	0.00	0.00	30.00	10.00	10	10
N30K10P60(7)_6	0.00	0.00	28.00	10.00	10	11
N30K10P60(7)_7	0.00	0.00	29.00	10.00	10	10
N30K10P60(7)_8	0.00	0.00	27.00	10.00	16	11
N30K10P60(7)_9	0.00	0.00	30.00	10.00	10	10
N30K10P60(7)_10	0.00	0.00	29.00	10.00	17	10
N30K10P60(8)_1	0.00	0.00	30.00	11.00	32	11
N30K10P60(8)_2 N30K10P60(8)_3	0.00	0.00	30.00	11.00 11.00	32	10
N30K10P60(8)_3	0.00	0.00	30.00	11.00	38	10
N30K10P60(8)_5	0.00	0.00	29.00	11.00	$\frac{36}{10}$	11
N30K10P60(8)_6	0.00	0.00	29.00	11.00	24	10
N30K10P60(8)_7	0.00	0.00	30.00	11.00	38	10
N30K10P60(8)_8	0.00	0.00	29.00	11.00	32	10
N30K10P60(8)_9	0.00	0.00	27.00	11.00	44	10
N30K10P60(8)_10	0.00	0.00	28.00	11.00	67	11
N30K10P60(9)_1	0.00	0.02	26.00	19.00	1056	2099
N30K10P60(9)_2	0.00	0.02	24.00	22.00	2089	1657
N30K10P60(9)_3	0.07	0.02	25.00	22.00	2042	1786
N30K10P60(9)_4	0.00	0.02	29.00	22.00	802	1999
N30K10P60(9)_5	0.00	0.02	29.00	22.00	1435	1995
N30K10P60(9)_6	0.07	0.00	23.00	19.00	2708	1716
N30K10P60(9)_7	0.00	0.02	29.00	22.00	657	2026
N30K10P60(9)_8	0.00	0.02	28.00	23.00	699	1915
N30K10P60(9)_9 N30K10P60(9)_10	0.03	0.02 0.02	27.00 27.00	19.00 19.00	2306 848	1887 2882
N30K10P60(10)_1	0.00	0.02	30.00	11.00	18	10
N30K10P60(10)_2	0.00	0.00	30.00	11.00	32	11
N30K10P60(10)_3	0.00	0.00	29.00	11.00	24	11
N30K10P60(10)_4	0.00	0.00	28.00	11.00	25	11
N30K10P60(10)_5	0.00	0.00	29.00	11.00	33	10
N30K10P60(10)_6	0.00	0.00	30.00	11.00	10	11
N30K10P60(10)_7	0.00	0.00	30.00	11.00	11	11
N30K10P60(10)_8	0.00	0.00	29.00	11.00	81	11
N30K10P60(10)_9	0.00	0.00	30.00	11.00	18	11
N30K10P60(10)_10	0.00	0.00	28.00	11.00	39	10
N30K10P70(1)_1	0.00	0.00	29.00	10.00	118	10
N30K10P70(1)_2	0.00	0.00	28.00	10.00	136	10
N30K10P70(1)_3	0.00	0.00	28.00	10.00	181	10
N30K10P70(1)_4 N30K10P70(1)_5	0.00	0.00	27.00 27.00	10.00	149 143	9
N30K10P70(1)_5 N30K10P70(1)_6	0.00	0.00	27.00	10.00	180	9
N30K10P70(1)_7	0.00	0.00	26.00	10.00	212	9
N30K10P70(1)_8	0.00	0.00	28.00	10.00	118	10
N30K10P70(1)_9	0.00	0.00	29.00	10.00	173	9
N30K10P70(1)_10	0.00	0.00	30.00	10.00	10	9
N30K10P70(2)_1	0.00	0.00	27.00	10.00	191	10
N30K10P70(2)_2	0.00	0.00	30.00	10.00	91	10
N30K10P70(2)_3	0.00	0.00	27.00	10.00	127	10
N30K10P70(2)_4	0.00	0.00	25.00	10.00	214	10
N30K10P70(2)_5	0.00	0.00	24.00	10.00	241	10
N30K10P70(2)_6	0.00	0.00	24.00	10.00	103	10
N30K10P70(2)_7	0.00	0.00	30.00	10.00	160	10
N30K10P70(2)_8	0.00	0.00	29.00	10.00	158	10
N30K10P70(2)_9	0.00	0.00	30.00	10.00	45	11

	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K10P70(2)_10	0.00	0.00	29.00	10.00	180	10
N30K10P70(3)_1	0.00	0.00	29.00	14.00	339	10
N30K10P70(3)_2	0.00	0.00	28.00	14.00	376	11
N30K10P70(3)_3	0.00	0.00	26.00	14.00	79	10
N30K10P70(3)_4	0.00	0.00	28.00	14.00	280	10
N30K10P70(3)_5	0.00	0.00	30.00	14.00	$\frac{200}{122}$	10
N30K10P70(3)_6	0.00	0.00	30.00	14.00	241	10
N30K10P70(3)_7	0.00	0.00	28.00	14.00	220	11
3.7		0.00	29.00	14.00	309	11
N30K10P70(3)_8	0.00					
N30K10P70(3)_9	0.00	0.00	27.00	14.00	376	10
N30K10P70(3)_10	0.00	0.00	27.00	14.00	326	11
N30K10P70(4)_1	0.00	0.00	28.00	11.00	76	11
N30K10P70(4)_2	0.00	0.00	30.00	11.00	44	10
N30K10P70(4)_3	0.00	0.00	30.00	11.00	72	10
N30K10P70(4)_4	0.00	0.00	26.00	11.00	50	10
N30K10P70(4)_5	0.00	0.00	26.00	11.00	71	11
N30K10P70(4)_6	0.00	0.00	28.00	11.00	17	10
N30K10P70(4) ₋ 7	0.00	0.00	29.00	11.00	23	10
N30K10P70(4)_8	0.00	0.00	28.00	11.00	112	12
N30K10P70(4)_9	0.00	0.00	28.00	11.00	30	10
N30K10P70(4)_10	0.00	0.00	28.00	11.00	97	10
N30K10P70(5)_1	0.00	0.00	30.00	16.00	111	11
N30K10P70(5)_2	0.00	0.00	29.00	16.00	376	11
N30K10P70(5)_3	0.00	0.00	28.00	16.00	202	11
N30K10P70(5)_4	0.00	0.00	29.00	16.00	335	11
N30K10P70(5)_5	0.00	0.00	28.00	16.00	537	10
N30K10P70(5)_6	0.00	0.00	30.00	16.00	342	11
N30K10P70(5)_7	0.00	0.00	28.00	16.00	302	11
N30K10P70(5)_8	0.00	0.00	28.00	16.00	342	11
N30K10P70(5)_9	0.00	0.00	27.00	16.00	160	11
N30K10P70(5)_10	0.00	0.00	29.00	16.00	294	11
N30K10P70(6)_1	0.00	0.00	27.00	16.00	329	11
N30K10P70(6)_2	0.00	0.00	30.00	16.00	$\frac{325}{475}$	11
N30K10P70(6)_3	0.00	0.00	29.00	16.00	342	11
N30K10P70(6)_4	0.00	0.00	29.00	16.00	284	11
N30K10P70(6)_5	0.00	0.00	26.00	16.00	480	11
N30K10P70(6)_6	0.00	0.00	27.00	16.00	373	11
N30K10P70(6)_7	0.00		27.00	16.00	203	11
` '		0.00				
N30K10P70(6)_8	0.00		30.00	16.00	270	11
N30K10P70(6)_9	0.00	0.00	28.00	16.00	381	11
N30K10P70(6)_10	0.00	0.00	27.00	16.00	569	11
N30K10P70(7)_1	0.00	0.00	29.00	10.00	23	11
N30K10P70(7)_2	0.00	0.00	27.00	10.00	17	11
N30K10P70(7)_3	0.00	0.00	28.00	10.00	37	10
N30K10P70(7)_4	0.00	0.00	28.00	10.00	30	10
N30K10P70(7)_5	0.00	0.00	29.00	10.00	23	11
N30K10P70(7)_6	0.00	0.00	29.00	10.00	31	10
N30K10P70(7)_7	0.00	0.00	30.00	10.00	44	11
N30K10P70(7)_8	0.00	0.00	28.00	10.00	30	10
N30K10P70(7)_9	0.00	0.00	23.00	10.00	24	10
N30K10P70(7)_10	0.00	0.00	29.00	10.00	30	11
N30K10P70(8)_1	0.00	0.00	30.00	17.00	95	10
N30K10P70(8)_2	0.00	0.00	30.00	17.00	149	11
N30K10P70(8)_3	0.00	0.00	28.00	17.00	143	10
N30K10P70(8)_4	0.00	0.00	29.00	17.00	186	11
N30K10P70(8)_5	0.00	0.00	28.00	17.00	123	10
N30K10P70(8)_6	0.00	0.00	30.00	17.00	217	11

T 4 1/T)	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K10P70(8)_7	0.00	0.00	27.00	17.00	186	10
N30K10P70(8)_8	0.00	0.00	30.00	17.00	212	11
N30K10P70(8)_9	0.00	0.00	30.00	17.00	177	11
N30K10P70(8)_10	0.00	0.00	29.00	17.00	292	10
N30K10P70(9)_1	0.42	0.38	28.00	25.00	3056	1870
N30K10P70(9)_2	0.68	0.41	22.00	25.00	1885	3957
N30K10P70(9)_3	0.25	0.45	27.00	25.00	6412	2460
N30K10P70(9)_4	0.20	0.26	27.00	26.00	4003	2835
N30K10P70(9)_5	0.27	0.48	30.00	25.00	4817	2145
N30K10P70(9)_6	0.33	0.38	29.00	25.00	2971	2972
N30K10P70(9)_7	0.21	0.38	25.00	27.00	2512	3344
N30K10P70(9)_8	0.21	0.48	28.00	25.00	3942	2578
N30K10P70(9)_9	0.23	0.47	28.00	24.00	3576	1691
N30K10P70(9)_10	0.23	0.38	24.00	24.00	2595	2230
N30K10P70(10)_1	0.00	0.00	29.00	12.00 12.00	110	11
N30K10P70(10)_2 N30K10P70(10)_3	0.00	0.00	28.00 28.00	12.00	329 188	11
N30K10P70(10)_3 N30K10P70(10)_4	0.00	0.00	26.00	12.00	218	10
N30K10P70(10)_5	0.00	0.00	28.00	12.00	61	11
N30K10P70(10)_6	0.00	0.00	29.00	12.00	139	11
N30K10P70(10)_7	0.00	0.00	29.00	12.00	118	10
N30K10P70(10)_8	0.00	0.00	27.00	12.00	104	11
N30K10P70(10)_9	0.00	0.00	27.00	12.00	274	11
N30K10P70(10)_10	0.00	0.00	29.00	12.00	231	11
N30K10P80(1)_1	0.00	0.00	29.00	10.00	98	10
N30K10P80(1)_2	0.00	0.00	23.00	10.00	60	9
N30K10P80(1)_3	0.00	0.00	29.00	10.00	204	10
N30K10P80(1)_4	0.00	0.00	28.00	10.00	331	10
N30K10P80(1)_5	0.00	0.00	24.00	10.00	213	10
N30K10P80(1)_6	0.00	0.00	29.00	10.00	261	9
N30K10P80(1)_7	0.00	0.00	30.00	10.00	247	10
N30K10P80(1)_8	0.00	0.00	28.00	10.00	337	9
N30K10P80(1)_9	0.00	0.00	30.00	10.00	312	10
N30K10P80(1)_10	0.00	0.00	25.00	10.00	129	10
N30K10P80(2)_1	0.00	0.00	30.00	10.00	204	10
N30K10P80(2)_2	0.00	0.00	25.00	10.00	244	10
N30K10P80(2)_3	0.00	0.00	28.00	10.00	269	10
N30K10P80(2)_4	0.00	0.00	28.00	10.00	332	10
N30K10P80(2)_5	0.00	0.00	27.00	10.00	252	10
N30K10P80(2)_6	0.00	0.00	29.00	10.00	138	10
N30K10P80(2)_7	0.00	0.00	26.00	10.00	231	10
N30K10P80(2)_8 N30K10P80(2)_9	0.00	0.00	26.00 30.00	10.00	239 245	10
N30K10P80(2)_9 N30K10P80(2)_10		0.00		10.00		11
N30K10P80(2)_10 N30K10P80(3)_1	0.00	0.00	29.00 30.00	10.00 16.00	125 268	10
N30K10P80(3)_1 N30K10P80(3)_2	0.00	0.00	30.00	16.00	443	11
N30K10P80(3)_2 N30K10P80(3)_3	0.00	0.00	28.00	16.00	341	10
N30K10P80(3)_4	0.00	0.00	29.00	16.00	489	10
N30K10P80(3)_5	0.00	0.00	30.00	16.00	491	11
N30K10P80(3)_6	0.00	0.00	29.00	16.00	267	10
N30K10P80(3)_7	0.00	0.00	27.00	16.00	306	11
N30K10P80(3)_8	0.00	0.00	29.00	16.00	411	10
N30K10P80(3)_9	0.00	0.00	26.00	16.00	563	10
N30K10P80(3)_10	0.00	0.00	30.00	16.00	296	10
N30K10P80(4)_1	0.00	0.00	30.00	11.00	110	10
N30K10P80(4)_2	0.00	0.00	30.00	11.00	125	11
N30K10P80(4)_3	0.00	0.00	28.00	11.00	145	10

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K10P80(4)_4	0.00	0.00	27.00	11.00	151	10
N30K10P80(4)_5	0.00	0.00	30.00	11.00	124	10
N30K10P80(4)_6	0.00	0.00	26.00	11.00	78	11
N30K10P80(4)_7	0.00	0.00	28.00	11.00	104	10
N30K10P80(4)_8	0.00	0.00	30.00	11.00	125	11
N30K10P80(4)_9	0.00	0.00	26.00	11.00	130	10
N30K10P80(4)_9	0.00	0.00	29.00	11.00	50	10
N30K10P80(4)_10	0.00	0.00	29.00	27.00	601	11
N30K10P80(5)_1		0.00	28.00	27.00	484	10
	0.00					
N30K10P80(5)_3	0.00	0.00	26.00	27.00	707	11
N30K10P80(5)_4	0.00	0.00	29.00	27.00	286	11
N30K10P80(5)_5	0.00	0.00	29.00	27.00	456	11
N30K10P80(5)_6	0.00	0.00	26.00	27.00	558	11
N30K10P80(5)_7	0.00	0.00	28.00	27.00	754	11
N30K10P80(5)_8	0.00	0.00	28.00	27.00	646	11
N30K10P80(5)_9	0.00	0.00	30.00	27.00	356	10
N30K10P80(5)_10	0.00	0.00	29.00	27.00	520	12
N30K10P80(6) ₋ 1	0.00	0.00	25.00	24.00	1997	11
N30K10P80(6)_2	0.00	0.00	27.00	24.00	659	11
N30K10P80(6)_3	0.00	0.00	29.00	24.00	556	11
N30K10P80(6)_4	0.00	0.00	29.00	24.00	676	11
N30K10P80(6)_5	0.00	0.00	27.00	24.00	261	11
N30K10P80(6)_6	0.00	0.00	29.00	24.00	563	11
N30K10P80(6)_7	0.00	0.00	30.00	24.00	443	11
N30K10P80(6)_8	0.00	0.00	27.00	24.00	735	11
N30K10P80(6)_9	0.00	0.00	29.00	24.00	753	11
N30K10P80(6)_10	0.00	0.00	29.00	24.00	390	11
N30K10P80(7)_1	0.00	0.00	29.00	10.00	78	10
N30K10P80(7)_2	0.00	0.00	29.00	10.00	57	11
N30K10P80(7)_3	0.00	0.00	27.00	10.00	93	11
N30K10P80(7)_4	0.00	0.00	25.00	10.00	64	10
N30K10P80(7)_5	0.00	0.00	27.00	10.00	57	10
N30K10P80(7)_6	0.00	0.00	25.00	10.00	58	10
N30K10P80(7)_7	0.00	0.00	27.00	10.00	71	11
N30K10P80(7)_8	0.00	0.00	29.00	10.00	119	11
N30K10P80(7)_9	0.00	0.00	26.00	10.00	50	10
N30K10P80(7)_9	0.00	0.00	30.00	10.00	112	10
N30K10P80(7)_10	0.00		27.00	23.00	331	110
N30K10P80(8)_1 N30K10P80(8)_2		0.00			94	
	0.00		30.00	26.00		110
N30K10P80(8)_3	0.00	0.00	29.00	26.00	234	117
N30K10P80(8)_4	0.00	0.00	28.00	27.00	249	83
N30K10P80(8)_5	0.00	0.00	29.00	24.00	387	146
N30K10P80(8)_6	0.00	0.00	27.00	24.00	436	117
N30K10P80(8)_7	0.00	0.00	29.00	29.00	319	53
N30K10P80(8)_8	0.00	0.00	26.00	25.00	324	103
N30K10P80(8)_9	0.00	0.00	30.00	23.00	361	111
N30K10P80(8)_10	0.00	0.00	30.00	22.00	79	124
N30K10P80(9)_1	0.79	0.69	28.00	28.00	3081	4002
N30K10P80(9)_2	0.67	0.70	28.00	28.00	4031	3453
N30K10P80(9)_3	0.79	0.68	29.00	29.00	3807	3653
N30K10P80(9)_4	0.74	0.80	27.00	25.00	3572	6498
N30K10P80(9)_5	0.77	0.73	29.00	26.00	4078	4450
N30K10P80(9)_6	0.73	0.73	30.00	25.00	3221	3900
N30K10P80(9)_7	0.77	0.73	28.00	29.00	3415	3178
N30K10P80(9)_8	0.82	0.70	27.00	30.00	4018	2847
N30K10P80(9)_9	0.84	0.78	28.00	30.00	2706	3854
N30K10P80(9)_10	0.66	0.83	30.00	25.00	4071	2668
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	Total lo	ss value	Number	of active MDs	Time	e(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K10P80(10)_1	0.00	0.00	27.00	13.00	132	10
N30K10P80(10)_2	0.00	0.00	30.00	13.00	125	11
N30K10P80(10)_3	0.00	0.00	30.00	13.00	449	11
N30K10P80(10)_4	0.00	0.00	28.00	13.00	202	11
N30K10P80(10)_5	0.00	0.00	28.00	13.00	289	11
N30K10P80(10)_6	0.00	0.00	29.00	13.00	316	10
N30K10P80(10)_7	0.00	0.00	26.00	13.00	335	10
N30K10P80(10)_/	0.00	0.00	28.00	13.00	167	11
. ,						
N30K10P80(10)_9	0.00	0.00	29.00	13.00	181	11
N30K10P80(10)_10	0.00	0.00	29.00	13.00	468	11
N30K15P50(1)_1	0.00	0.00	29.00	15.00	55	11
N30K15P50(1)_2	0.00	0.00	27.00	15.00	69	11
N30K15P50(1)_3	0.00	0.00	28.00	15.00	46	11
N30K15P50(1)_4	0.00	0.00	27.00	15.00	69	11
N30K15P50(1)_5	0.00	0.00	27.00	15.00	83	11
N30K15P50(1)_6	0.00	0.00	27.00	15.00	70	11
N30K15P50(1)_7	0.00	0.00	29.00	15.00	63	11
N30K15P50(1)_8	0.00	0.00	30.00	15.00	54	11
N30K15P50(1)_9	0.00	0.00	29.00	15.00	68	11
N30K15P50(1)_10	0.00	0.00	30.00	15.00	47	10
N30K15P50(2)_1	0.00	0.00	22.00	15.00	257	11
N30K15P50(2)_2	0.00	0.00	29.00	15.00	196	12
N30K15P50(2)_3	0.00	0.00	28.00	15.00	211	11
N30K15P50(2)_4	0.00	0.00	30.00	15.00	331	11
N30K15P50(2)_5	0.00	0.00	28.00	15.00	279	12
N30K15P50(2)_6	0.00	0.00	29.00	15.00	164	12
N30K15P50(2)_7	0.00	0.00	26.00	15.00	239	11
N30K15P50(2)_8	0.00	0.00	30.00	15.00	135	11
N30K15P50(2)_9	0.00	0.00	28.00	15.00	164	12
N30K15P50(2)_10	0.00	0.00	30.00	15.00	88	12
N30K15P50(3)_1	0.00	0.00	25.00	17.00	253	12
N30K15F50(3)_2	0.00	0.00	28.00	17.00	$\frac{253}{192}$	12
N30K15F50(3)_3	0.00	0.00	28.00	17.00	299	11
N30K15F50(3)_4	0.00		29.00		$\frac{299}{270}$	12
` '		0.00		17.00	$\frac{270}{152}$	
N30K15P50(3)_5	0.00	0.00	30.00	17.00		$\frac{13}{12}$
N30K15P50(3)_6	0.00	0.00	30.00	17.00	284	
N30K15P50(3)_7	0.00	0.00	29.00	17.00	343	12
N30K15P50(3)_8	0.00	0.00	28.00	17.00	151	11
N30K15P50(3)_9	0.00	0.00	28.00	17.00	250	11
N30K15P50(3)_10	0.00	0.00	29.00	17.00	262	11
N30K15P50(4)_1	0.00	0.00	27.00	15.00	41	11
N30K15P50(4)_2	0.00	0.00	29.00	15.00	49	11
N30K15P50(4)_3	0.00	0.00	29.00	15.00	18	11
N30K15P50(4)_4	0.00	0.00	26.00	15.00	111	12
N30K15P50(4)_5	0.00	0.00	28.00	15.00	19	12
N30K15P50(4)_6	0.00	0.00	28.00	15.00	11	11
N30K15P50(4)_7	0.00	0.00	29.00	15.00	26	12
N30K15P50(4)_8	0.00	0.00	28.00	15.00	19	12
N30K15P50(4)_9	0.00	0.00	28.00	15.00	41	11
N30K15P50(4)_10	0.00	0.00	27.00	15.00	42	12
N30K15P50(5)_1	0.00	0.00	29.00	19.00	340	12
N30K15P50(5)_2	0.00	0.00	30.00	19.00	108	12
N30K15P50(5)_3	0.00	0.00	29.00	19.00	188	13
N30K15P50(5)_4	0.00	0.00	26.00	19.00	407	11
N30K15P50(5)_5	0.00	0.00	26.00	19.00	263	11
N30K15P50(5)_6	0.00	0.00	26.00	19.00	361	13
N30K15P50(5)_7	0.00	0.00	30.00	19.00	267	11
11001110100(0)-1	J.00	0.00		10.00	201	11

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K15P50(5)_8	0.00	0.00	28.00	19.00	232	12
N30K15F50(5)_9	0.00	0.00	30.00	19.00	415	12
N30K15P50(5)_10	0.00	0.00	30.00	19.00	154	12
N30K15P50(6)_1	0.00	0.00	27.00	17.00	265	12
N30K15P50(6)_1	0.00	0.00	21.00	17.00	756	12
` '						
N30K15P50(6)_3	0.00	0.00	27.00	17.00	780	12
N30K15P50(6)_4	0.00	0.00	29.00	17.00	174	12
N30K15P50(6)_5	0.00	0.00	28.00	17.00	513	12
N30K15P50(6)_6	0.00	0.00	29.00	17.00	296	13
N30K15P50(6)_7	0.00	0.00	30.00	17.00	149	12
N30K15P50(6)_8	0.00	0.00	27.00	17.00	159	12
N30K15P50(6)_9	0.00	0.00	30.00	17.00	199	12
N30K15P50(6) ₋ 10	0.00	0.00	26.00	17.00	311	12
N30K15P50(7)_1	0.00	0.00	27.00	15.00	27	12
N30K15P50(7)_2	0.00	0.00	29.00	15.00	19	12
N30K15P50(7)_3	0.00	0.00	29.00	15.00	19	12
N30K15P50(7)_4	0.00	0.00	29.00	15.00	11	12
N30K15P50(7)_5	0.00	0.00	29.00	15.00	11	11
N30K15P50(7)_6	0.00	0.00	29.00	15.00	11	12
N30K15P50(7)_7	0.00	0.00	30.00	15.00	19	11
N30K15P50(7)_8	0.00	0.00	28.00	15.00	11	12
N30K15P50(7)_9	0.00	0.00	28.00	15.00	19	12
N30K15P50(7)_10	0.00	0.00	30.00	15.00	11	12
N30K15P50(8)_1	0.00	0.00	27.00	19.00	362	12
N30K15P50(8)_2	0.00	0.00	28.00	19.00	374	12
N30K15P50(8)_3	0.00	0.00	29.00	19.00	326	11
N30K15P50(8)_4	0.00	0.00	26.00	19.00	295	12
N30K15P50(8)_5	0.00	0.00	30.00	19.00	317	12
N30K15P50(8)_6	0.00	0.00	26.00	19.00	130	12
N30K15P50(8)_7	0.00	0.00	28.00	19.00	265	12
N30K15P50(8)_8	0.00	0.00	29.00	19.00	239	12
N30K15P50(8)_9	0.00	0.00	28.00	19.00	374	12
N30K15P50(8)_10	0.00	0.00	27.00	19.00	278	11
N30K15F50(9)_1	0.30	0.00	28.00	28.00	3776	6094
N30K15P50(9)_1	0.30	0.22	26.00	28.00	4869	4598
N30K15P50(9)_2 N30K15P50(9)_3	0.29	0.32	24.00	29.00	3964	3406
N30K15P50(9)_3						2994
` '	0.35	0.26	30.00	26.00	3672	
N30K15P50(9)_5	0.48	0.38	26.00	27.00	3105	3617
N30K15P50(9)_6	0.12	0.36	28.00	28.00	4557	6227
N30K15P50(9)_7	0.14	0.17	30.00	28.00	3806	4124
N30K15P50(9)_8	0.30	0.40	28.00	28.00	3431	2715
N30K15P50(9)_9	0.17	0.25	28.00	29.00	4123	4548
N30K15P50(9)_10	0.32	0.27	26.00	28.00	2788	4253
N30K15P50(10)_1	0.00	0.00	30.00	15.00	43	12
N30K15P50(10)_2	0.00	0.00	29.00	15.00	36	12
N30K15P50(10)_3	0.00	0.00	28.00	15.00	84	12
N30K15P50(10)_4	0.00	0.00	28.00	15.00	156	12
N30K15P50(10)_5	0.00	0.00	27.00	15.00	165	12
N30K15P50(10)_6	0.00	0.00	30.00	15.00	246	13
N30K15P50(10)_7	0.00	0.00	30.00	15.00	108	11
N30K15P50(10)_8	0.00	0.00	29.00	15.00	60	12
N30K15P50(10)_9	0.00	0.00	29.00	15.00	228	12
N30K15P50(10)_10	0.00	0.00	27.00	15.00	28	12
N30K15P60(1)_1	0.00	0.00	27.00	28.00	1047	174
N30K15P60(1)_2	0.00	0.00	23.00	28.00	1100	152
N30K15P60(1)_3	0.00	0.00	29.00	28.00	1084	145
N30K15P60(1)_4	0.00	0.00	28.00	21.00	1208	114
` ′	1		1			

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K15P60(1)_5	0.00	0.00	27.00	27.00	1255	138
N30K15P60(1)_6	0.00	0.00	27.00	29.00	897	146
N30K15P60(1)_7	0.00	0.00	29.00	27.00	805	34
N30K15P60(1)_8	0.00	0.00	22.00	26.00	1077	130
N30K15P60(1)_9	0.00	0.00	30.00	29.00	703	116
N30K15P60(1)_10	0.00	0.00	24.00	26.00	867	93
N30K15P60(2)_1	0.06	0.00	26.00	19.00	2338	11
N30K15F60(2)_2	0.00	0.00	29.00	19.00	$\frac{2556}{655}$	12
N30K15P60(2)_3	0.06	0.00	23.00	19.00	2550	12
N30K15P60(2)_3		0.00	27.00	19.00	731	11
	0.00					12
N30K15P60(2)_5	0.00	0.00	27.00	19.00	2155	
N30K15P60(2)_6	0.00	0.00	23.00	19.00	922	12
N30K15P60(2)_7	0.00	0.00	29.00	19.00	1285	12
N30K15P60(2)_8	0.00	0.00	27.00	19.00	568	11
N30K15P60(2)_9	0.00	0.00	27.00	19.00	1384	12
N30K15P60(2)_10	0.00	0.00	23.00	19.00	3508	12
N30K15P60(3)_1	0.00	0.00	30.00	29.00	1308	253
N30K15P60(3)_2	0.00	0.00	27.00	29.00	1343	206
N30K15P60(3)_3	0.01	0.01	27.00	21.00	2603	2245
N30K15P60(3)_4	0.00	0.00	30.00	29.00	1791	338
N30K15P60(3)_5	0.00	0.00	28.00	25.00	1164	213
N30K15P60(3)_6	0.00	0.00	29.00	29.00	816	214
N30K15P60(3)_7	0.00	0.00	24.00	28.00	1554	181
N30K15P60(3)_8	0.00	0.00	27.00	23.00	955	492
N30K15P60(3)_9	0.04	0.00	25.00	27.00	2488	164
N30K15P60(3)_10	0.00	0.00	28.00	29.00	1321	167
N30K15P60(4)_1	0.00	0.00	22.00	18.00	744	12
N30K15P60(4)_2	0.00	0.00	28.00	18.00	663	11
N30K15P60(4)_3	0.00	0.00	30.00	18.00	436	11
N30K15P60(4)_4	0.00	0.00	27.00	18.00	914	12
N30K15P60(4)_5	0.00	0.00	29.00	18.00	911	11
N30K15P60(4)_6	0.00	0.00	28.00	18.00	517	11
N30K15P60(4)_7	0.00	0.00	29.00	18.00	682	12
N30K15P60(4)_8	0.00	0.00	29.00	18.00	776	12
N30K15P60(4)_9	0.00	0.00	27.00	18.00	684	12
N30K15P60(4)_10	0.04	0.00	23.00	18.00	1940	11
N30K15P60(5)_1	0.04	0.04	23.00	26.00	3425	2432
N30K15P60(5)_2	0.00	0.00	30.00	30.00	1013	824
N30K15P60(5)_3	0.00	0.04	26.00	26.00	779	2786
N30K15P60(5)_4	0.00	0.00	25.00	26.00	1761	1913
N30K15P60(5)_5	0.00	0.00	29.00	30.00	856	577
N30K15P60(5)_6	0.00	0.00	27.00	30.00	1328	675
N30K15P60(5)_7	0.00	0.04	25.00	24.00	1962	3254
N30K15F60(5)_8	0.00	0.04	29.00	26.00	830	$\frac{3234}{1476}$
N30K15P60(5)_8	0.00	0.00	30.00	25.00	1047	1400
N30K15P60(5)_9	0.00	0.00	27.00	28.00	1438	933
N30K15P60(6)_1	0.00	0.00	27.00	25.00	3740	2799
N30K15P60(6)_2	0.01	0.01	24.00	24.00	2704	751
N30K15P60(6)_2	0.04	0.04	27.00	28.00	3018	2887
N30K15P60(6)_5	0.01	0.04	27.00	24.00	2256	2821
N30K15P60(6)_4 N30K15P60(6)_5	0.00	0.00	29.00	25.00	1385	2542
N30K15P60(6)_5	0.00	0.01	29.00		2653	
` '				24.00		$\frac{2619}{2210}$
N30K15P60(6)_7	0.03	0.01	23.00	28.00	3369	
N30K15P60(6)_8	0.00	0.03	28.00	24.00	1576	2812
N30K15P60(6)_9	0.06	0.00	25.00	27.00	2590	1804
N30K15P60(6)_10	0.04	0.00	25.00	29.00	3313	764
N30K15P60(7)_1	0.00	0.00	26.00	16.00	882	12

N30K15P60(7).2		Total lo	ss value	Number	of active MDs	Time	(ms)
N30K15P60(7).3 0.00 0.00 26.00 16.00 919 11	Instance_#Run			GA	GGA		. ,
N30K15P60(7).3 0.00 0.00 26.00 16.00 919 11	N30K15P60(7) 2	0.00	0.00	29.00	16.00	526	11
N30K15P60(7), 4	` '						
N30K15P60(7)_5	` '						
N30K15P60(7)_6	` '						
N30K15P60(7).7	` '						
N30K15P60(7).8	` '						
N30K15P60(7)_9	` '						
N30K15P60(8).1	* *						
N30K15P60(8).1	` '						
N30K15P60(8).2							
N30K15P60(8).3	` `						
N30K15P60(8).4	` `						
N30K15P60(8).5	` `						
N30K15P60(8).6	` `						
N30K15P60(8).7	` `						
N30K15P60(8).8	` `						
N30K15P60(8).9	` `						
N30K15P60(9).1	` '						
N30K15P60(9)_1	* *						
N30K15P60(9).2 0.92 1.21 28.00 27.00 4077 3826 N30K15P60(9).3 0.94 1.13 29.00 27.00 4710 3971 N30K15P60(9).4 0.97 0.95 28.00 27.00 3527 3939 3736K15P60(9).5 1.04 0.89 28.00 29.00 28.00 4899 5045 N30K15P60(9).6 0.80 0.99 29.00 28.00 4899 5045 N30K15P60(9).7 0.91 0.93 29.00 30.00 7179 6036 N30K15P60(9).8 0.84 0.96 30.00 25.00 6330 2974 N30K15P60(9).9 1.25 1.13 28.00 30.00 3790 4636 30.00 25.00 3630 2974 N30K15P60(9).10 0.95 1.10 30.00 27.00 5625 3812 N30K15P60(10).1 0.03 0.00 25.00 21.00 3103 12 N30K15P60(10).2 0.00 0.00 25.00 21.00 3103 12 N30K15P60(10).3 0.00 0.00 24.00 21.00 1068 12 N30K15P60(10).4 0.00 0.00 27.00 21.00 1665 11 N30K15P60(10).5 0.00 0.00 27.00 21.00 937 12 N30K15P60(10).5 0.00 0.00 23.00 21.00 937 12 N30K15P60(10).6 0.01 0.00 23.00 21.00 937 12 N30K15P60(10).5 0.00 0.00 28.00 21.00 937 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 2860 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 2860 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 2800 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 2800 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 2590 1248 12 N30K15P60(10).10 0.01 0.00 23.00 21.00 2590 12 N30K15P70(1).1 0.08 0.00 26.00 26.00 25.00 1472 423 N30K15P70(1).3 0.00 0.00 27.00 28.00 1472 423 N30K15P70(1).4 0.00 0.00 27.00 28.00 32.0	` '						
N30K15P60(9).3	` '						
N30K15P60(9).4 0.97 0.95 28.00 27.00 3827 3939 N30K15P60(9).5 1.04 0.89 28.00 29.00 3549 3746 N30K15P60(9).6 0.80 0.99 29.00 28.00 4899 5045 N30K15P60(9).8 0.84 0.96 30.00 25.00 6330 2974 N30K15P60(9).8 0.84 0.96 30.00 25.00 6330 2974 N30K15P60(9).9 1.25 1.13 28.00 30.00 3790 4636 N30K15P60(9).10 0.95 1.10 30.00 27.00 5625 3812 N30K15P60(10).1 0.03 0.00 25.00 21.00 3103 12 N30K15P60(10).2 0.00 0.00 25.00 21.00 1217 12 N30K15P60(10).4 0.00 0.00 27.00 21.00 1652 11 N30K15P60(10).4 0.00 0.00 27.00 21.00 1652 11 N30K15P60(10).5 0.00 0.00 29.00 21.00 1652 11 N30K15P60(10).6 0.01 0.00 23.00 21.00 937 12 N30K15P60(10).7 0.00 0.00 25.00 21.00 2936 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 2936 12 N30K15P60(10).9 0.03 0.00 25.00 21.00 2936 12 N30K15P60(10).9 0.03 0.00 25.00 21.00 2936 12 N30K15P60(10).1 0.01 0.00 23.00 21.00 2936 12 N30K15P60(10).1 0.01 0.00 23.00 21.00 2936 12 N30K15P60(10).1 0.01 0.00 23.00 21.00 2692 12 N30K15P60(10).1 0.01 0.00 23.00 21.00 2692 12 N30K15P70(1).1 0.08 0.00 26.00 26.00 25.98 276 N30K15P70(1).2 0.00 0.02 26.00 18.00 2598 276 N30K15P70(1).4 0.00 0.00 26.00 29.00 1095 379 N30K15P70(1).5 0.00 0.00 29.00 29.00 1095 379 N30K15P70(1).5 0.00 0.00 26.00 28.00 3039 302 N30K15P70(1).5 0.00 0.00 26.00 28.00 3246 330 N30K15P70(1).1 0.01 0.00 26.00 28.00 3246 330 N30K15P70(1).1 0.01 0.00 26.00 28.00 3246 330 N30K15P70(1).1 0.01 0.00 26.00 28.00 3246 330 N30K15P70(2).2 0.00 0.00 26.00 25.00 26.00 2439 12 N30K15P70(2).2 0.00 0.00 26.00 25.00 25.00 4023 11 N30K15P70(2).4 0.00 0.00 26.00 25.00 25.00 2439 12 N30K15P70(2).5 0.00 0.00 26.0	N30K15P60(9)_2	0.92	1.21	28.00	27.00	4077	3826
N30K15P60(9)_5	N30K15P60(9)_3	0.94	1.13	29.00	27.00	4710	3971
N30K15P60(9).6 0.80 0.99 29.00 28.00 4899 5045	N30K15P60(9)_4	0.97	0.95	28.00	27.00	3827	3939
N30K15P60(9).7 0.91 0.93 29.00 30.00 7179 6036 N30K15P60(9).8 0.84 0.96 30.00 25.00 6330 2974 N30K15P60(9).9 1.25 1.13 28.00 30.00 3790 4636 N30K15P60(9).10 0.95 1.10 30.00 27.00 5625 3812 N30K15P60(10).1 0.03 0.00 25.00 21.00 3103 12 N30K15P60(10).2 0.00 0.00 25.00 21.00 1217 12 N30K15P60(10).3 0.00 0.00 24.00 21.00 1068 12 N30K15P60(10).4 0.00 0.00 27.00 21.00 1652 11 N30K15P60(10).5 0.00 0.00 29.00 21.00 937 12 N30K15P60(10).6 0.01 0.00 23.00 21.00 937 12 N30K15P60(10).7 0.00 0.00 28.00 21.00 969 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 969 12 N30K15P60(10).9 0.03 0.00 23.00 21.00 2692 12 N30K15P60(10).10 0.01 0.00 23.00 21.00 2692 12 N30K15P70(1).1 0.08 0.00 26.00 26.00 2598 276 N30K15P70(1).2 0.00 0.00 27.00 28.00 1472 423 N30K15P70(1).4 0.00 0.00 26.00 29.00 1095 379 N30K15P70(1).5 0.00 0.00 29.00 29.00 1095 379 N30K15P70(1).6 0.00 0.00 26.00 28.00 339 302 N30K15P70(1).7 0.07 0.00 26.00 28.00 3246 130 N30K15P70(1).8 0.00 0.00 26.00 28.00 346 130 N30K15P70(1).9 0.00 0.00 26.00 28.00 346 130 N30K15P70(1).8 0.00 0.00 26.00 28.00 346 130 N30K15P70(1).9 0.00 0.00 26.00 28.00 3513 12 N30K15P70(2).1 0.11 0.00 19.00 25.00 25.00 2439 12 N30K15P70(2).1 0.11 0.00 19.00 25.00 25.00 2439 12 N30K15P70(2).2 0.00 0.00 26.00 25.00 25.00 2439 12 N30K15P70(2).4 0.00 0.00 26.00 25.00 25.00 3513 12 N30K15P70(2).4 0.00 0.00 26.00 25.00 25.00 3513 12 N30K15P70(2).4 0.00 0.00 26.00 25.00 25.00 3513 12 N30K15P70(2).4 0.00 0.00 26.00 25.00 25.00 2729 12 N30K15P70(2).5 0.00 0.00 26.00 25.00 25.00 2729 12 N30K15P	N30K15P60(9)_5	1.04	0.89	28.00	29.00	3549	3746
N30K15P60(9).8 0.84 0.96 30.00 25.00 6330 2974 N30K15P60(9).9 1.25 1.13 28.00 30.00 3790 4636 N30K15P60(9).10 0.95 1.10 30.00 27.00 5625 3812 N30K15P60(10).1 0.03 0.00 25.00 21.00 3103 12 N30K15P60(10).2 0.00 0.00 25.00 21.00 1217 12 N30K15P60(10).3 0.00 0.00 24.00 21.00 1068 12 N30K15P60(10).4 0.00 0.00 27.00 21.00 1652 11 N30K15P60(10).5 0.00 0.00 220.00 21.00 937 12 N30K15P60(10).6 0.01 0.00 23.00 21.00 969 12 N30K15P60(10).7 0.00 0.00 28.00 21.00 2936 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 28800 12	N30K15P60(9)_6	0.80	0.99	29.00	28.00	4899	5045
N30K15P60(9).8 0.84 0.96 30.00 25.00 6330 2974 N30K15P60(9).9 1.25 1.13 28.00 30.00 3790 4636 N30K15P60(9).10 0.95 1.10 30.00 27.00 5625 3812 N30K15P60(10).1 0.03 0.00 25.00 21.00 3103 12 N30K15P60(10).2 0.00 0.00 25.00 21.00 1217 12 N30K15P60(10).3 0.00 0.00 24.00 21.00 1068 12 N30K15P60(10).4 0.00 0.00 27.00 21.00 1652 11 N30K15P60(10).5 0.00 0.00 220.00 21.00 937 12 N30K15P60(10).6 0.01 0.00 23.00 21.00 969 12 N30K15P60(10).7 0.00 0.00 28.00 21.00 2936 12 N30K15P60(10).8 0.00 0.00 25.00 21.00 28800 12	N30K15P60(9)_7	0.91	0.93	29.00	30.00	7179	6036
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Instance_#Run Total loss value GA Number of active MDs GA Time N30K15P70(2)_9 0.15 0.00 25.00 25.00 279 N30K15P70(2)_10 0.00 0.00 27.00 25.00 218 N30K15P70(3)_1 0.03 0.00 26.00 29.00 363 N30K15P70(3)_2 0.17 0.00 26.00 27.00 272 N30K15P70(3)_3 0.13 0.00 29.00 26.00 512 N30K15P70(3)_4 0.11 0.00 27.00 29.00 380 N30K15P70(3)_5 0.00 0.00 28.00 30.00 200	9 11 7 12 2 471 4 539
N30K15P70(2)_9 0.15 0.00 25.00 25.00 279 N30K15P70(2)_10 0.00 0.00 27.00 25.00 218 N30K15P70(3)_1 0.03 0.00 26.00 29.00 363 N30K15P70(3)_2 0.17 0.00 26.00 27.00 272 N30K15P70(3)_3 0.13 0.00 29.00 26.00 512 N30K15P70(3)_4 0.11 0.00 27.00 29.00 380	9 11 7 12 2 471 4 539
N30K15P70(2)_10 0.00 0.00 27.00 25.00 218 N30K15P70(3)_1 0.03 0.00 26.00 29.00 363 N30K15P70(3)_2 0.17 0.00 26.00 27.00 272 N30K15P70(3)_3 0.13 0.00 29.00 26.00 512 N30K15P70(3)_4 0.11 0.00 27.00 29.00 380	7 12 2 471 4 539
N30K15P70(3)_1 0.03 0.00 26.00 29.00 363 N30K15P70(3)_2 0.17 0.00 26.00 27.00 272 N30K15P70(3)_3 0.13 0.00 29.00 26.00 512 N30K15P70(3)_4 0.11 0.00 27.00 29.00 380	2 471 4 539
N30K15P70(3)_2 0.17 0.00 26.00 27.00 272 N30K15P70(3)_3 0.13 0.00 29.00 26.00 512 N30K15P70(3)_4 0.11 0.00 27.00 29.00 380	4 539
N30K15P70(3)_3 0.13 0.00 29.00 26.00 512 N30K15P70(3)_4 0.11 0.00 27.00 29.00 380	
N30K15P70(3)_4 0.11 0.00 27.00 29.00 380	2 1001
	5 429
N30K15P70(3)_6 0.05 0.00 26.00 30.00 285	
N30K15P70(3)_7 0.04 0.00 26.00 29.00 329	
N30K15P70(3)_8 0.00 0.00 24.00 29.00 190	
N30K15P70(3)_9 0.14 0.00 26.00 30.00 331	
N30K15P70(3)_10	
N30K15P70(4)_1 0.00 0.00 28.00 18.00 608	
N30K15P70(4)_2 0.00 0.00 27.00 18.00 656	
N30K15P70(4)_3 0.00 0.00 28.00 18.00 110	
N30K15P70(4)_4 0.00 0.00 29.00 18.00 104	
N30K15P70(4)_5 0.00 0.00 29.00 18.00 990	
N30K15P70(4)_6 0.00 0.00 28.00 18.00 960	
N30K15P70(4)_7 0.00 0.00 30.00 18.00 740	
N30K15P70(4)_8 0.00 0.00 28.00 18.00 551	
N30K15P70(4)_9 0.00 0.00 29.00 18.00 861	
N30K15P70(4)_10	
N30K15P70(5)_1 0.00 0.00 27.00 27.00 121	
N30K15P70(5)_2 0.03 0.08 27.00 27.00 438	
N30K15P70(5)_3	
N30K15P70(5)_4	
N30K15P70(5)_5 0.07 0.05 24.00 25.00 408	
N30K15P70(5)_6 0.08 0.05 25.00 28.00 431	
N30K15P70(5)_7 0.09 0.00 29.00 25.00 303	
N30K15P70(5)_8	
N30K15P70(5)_9 0.00 0.01 29.00 28.00 2570	
N30K15P70(5)_10	
N30K15P70(6)_1 0.19 0.15 30.00 28.00 473	4 3386
N30K15P70(6).2 0.30 0.17 28.00 26.00 378	8 3713
N30K15P70(6)_3 0.19 0.16 27.00 29.00 545	
N30K15P70(6)_4 0.15 0.18 28.00 29.00 498	
N30K15P70(6)_5 0.01 0.19 30.00 25.00 438	1 3732
N30K15P70(6)_6 0.11 0.20 28.00 26.00 446	2 2883
N30K15P70(6)_7 0.18 0.20 29.00 28.00 507	3 3206
N30K15P70(6)_8 0.15 0.10 30.00 29.00 582	
N30K15P70(6)_9 0.16 0.11 28.00 26.00 432	8 6726
N30K15P70(6)_10 0.21 0.13 26.00 26.00 428	8 6255
N30K15P70(7)_1 0.00 0.00 28.00 17.00 674	12
N30K15P70(7)_2 0.00 0.00 30.00 17.00 494	12
N30K15P70(7)_3 0.00 0.00 27.00 17.00 346	3 11
N30K15P70(7)_4 0.00 0.00 27.00 17.00 640	12
N30K15P70(7)_5 0.00 0.00 30.00 17.00 790	
N30K15P70(7)_6 0.00 0.00 27.00 17.00 107	8 12
N30K15P70(7)_7 0.00 0.00 28.00 17.00 592	
N30K15P70(7)_8 0.00 0.00 26.00 17.00 690	
N30K15P70(7)_9 0.00 0.00 29.00 17.00 982	
N30K15P70(7)_10 0.00 0.00 27.00 17.00 552	2 12
N30K15P70(8)_1 0.01 0.00 26.00 29.00 259	7 1718
N30K15P70(8)_2 0.00 0.01 28.00 27.00 180	
N30K15P70(8)_3 0.12 0.00 27.00 26.00 223	
N30K15P70(8)_4 0.00 0.03 26.00 26.00 108	
N30K15P70(8)_5 0.00 0.00 29.00 25.00 212	6 1827

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K15P70(8)_6	0.00	0.11	25.00	27.00	1499	3811
N30K15P70(8)_7	0.17	0.00	26.00	30.00	4586	1707
N30K15P70(8)_8	0.14	0.00	29.00	28.00	2943	1600
N30K15P70(8)_9	0.00	0.07	30.00	24.00	2351	3497
N30K15P70(8)_10	0.14	0.09	26.00	27.00	2781	2606
N30K15P70(9)_1	1.99	1.70	30.00	30.00	3602	7463
N30K15P70(9)_2	2.09	1.87	28.00	30.00	5136	3961
N30K15P70(9)_3	2.01	1.94	29.00	28.00	5468	3905
N30K15P70(9)_4	1.99	2.00	28.00	30.00	3435	3517
N30K15P70(9)_5	2.04	1.91	30.00	30.00	3995	4855
N30K15P70(9)_6	2.09	1.90	30.00	30.00	4148	3561
N30K15P70(9)_7	1.78	2.11	29.00	28.00	6395	3991
N30K15P70(9)_8	2.15	1.79	29.00	30.00	6038	5044
N30K15P70(9)_9	2.16	2.03	30.00	30.00	4074	4390
N30K15P70(9) ₋ 10	1.94	1.95	28.00	28.00	4871	6028
N30K15P70(10)_1	0.01	0.00	25.00	24.00	3879	343
N30K15P70(10)_2	0.00	0.00	26.00	24.00	2865	514
N30K15P70(10)_3	0.00	0.00	29.00	26.00	2229	1020
N30K15P70(10)_4	0.00	0.00	29.00	24.00	1128	500
N30K15P70(10)_5	0.04	0.00	27.00	26.00	3769	372
N30K15P70(10)_6	0.00	0.00	24.00	24.00	1790	320
N30K15P70(10)_7	0.07	0.00	27.00	24.00	3032	373
N30K15P70(10)_8	0.00	0.00	28.00	25.00	3123	553
N30K15P70(10)_9	0.01	0.00	26.00	25.00	4677	509
N30K15P70(10)_10	0.08	0.00	24.00	29.00	2531	439
N30K15P80(1)_1	0.04	0.06	30.00	26.00	3673	2209
N30K15P80(1)_2	0.02	0.05	26.00	23.00	3430	2691
N30K15P80(1)_3	0.16	0.04	29.00	28.00	2828	7134
N30K15P80(1)_4	0.01	0.07	24.00	23.00	4158	2335
N30K15P80(1)_5	0.00	0.07	30.00	26.00	1783	1880
N30K15P80(1)_6	0.09	0.07	28.00	26.00	3191	2211
N30K15P80(1)_7	0.00	0.07	28.00	23.00	4569	2299
N30K15P80(1)_8	0.03	0.00	27.00	24.00	3511	2633
N30K15P80(1)_9	0.18	0.06	28.00	23.00	3300	2784
N30K15P80(1)_10	0.16	0.05	27.00	26.00	4348	2540
N30K15P80(2)_1	0.08	0.00	30.00	27.00	3352	466
N30K15P80(2)_2	0.13	0.00	26.00	26.00	3751	304
N30K15P80(2)_3	0.05	0.00	26.00	27.00	3251	330
N30K15P80(2)_4	0.14	0.00	27.00	26.00	3730	686
N30K15P80(2)_5	0.02	0.00	26.00	29.00	3922	459
N30K15P80(2)_6	0.26	0.00	26.00	22.00	2288	1538
N30K15P80(2)_7	0.00	0.00	25.00	24.00	2618	326
N30K15P80(2)_8	0.00	0.00	30.00	28.00	3309	502
N30K15P80(2)_9	0.06	0.00	25.00	25.00	5256	297
N30K15P80(2)_10	0.11	0.00	30.00	25.00	2800	437
N30K15P80(3)_1	0.27	0.14	30.00	29.00	5249	3782
N30K15P80(3)_2	0.27	0.18	27.00	27.00	5044	2635
N30K15P80(3)_3	0.32	0.06	27.00	29.00	5273	4603
N30K15P80(3)_4	0.40	0.12	27.00	29.00	3500	3144
N30K15P80(3)_5	0.78	0.06	25.00	29.00	4103	2984
N30K15P80(3)_6	0.52	0.23	27.00	24.00	4525	4016
N30K15P80(3)_7	0.22	0.14	27.00	28.00	3779	2746
N30K15P80(3)_8	0.44	0.12	25.00	26.00	3658	3183
N30K15P80(3)_9	0.21	0.07	30.00	25.00	7471	4266
N30K15P80(3)_10	0.34	0.14	26.00	25.00	7471	4019
N30K15P80(4)_1	0.00	0.00	29.00	20.00	1238	12
N30K15P80(4)_2	0.00	0.00	28.00	20.00	1277	12

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K15P80(4)_3	0.00	0.00	27.00	20.00	1561	11
N30K15P80(4)_4	0.00	0.00	27.00	20.00	2974	12
N30K15P80(4)_5	0.00	0.00	29.00	20.00	1172	12
N30K15P80(4)_6	0.00	0.00	28.00	20.00	1041	12
N30K15P80(4)_7	0.00	0.00	27.00	20.00	1287	12
N30K15P80(4)_8	0.00	0.00	24.00	20.00	2609	11
N30K15P80(4)_9	0.22	0.00	28.00	20.00	2284	12
N30K15P80(4)_10	0.17	0.00	24.00	20.00	2409	12
N30K15P80(5) ₋ 1	0.19	0.06	29.00	28.00	7615	4275
N30K15P80(5)_2	0.20	0.45	25.00	26.00	7244	3893
N30K15P80(5)_3	0.19	0.03	28.00	28.00	4793	4832
N30K15P80(5)_4	0.31	0.28	29.00	25.00	5104	4028
N30K15P80(5)_5	0.26	0.19	30.00	30.00	4048	5271
N30K15P80(5)_6	0.31	0.09	26.00	30.00	3582	5284
N30K15P80(5)_7	0.20	0.12	30.00	28.00	6075	5000
N30K15P80(5)_8	0.14	0.25	29.00	28.00	6087	4981
N30K15P80(5)_9	0.28	0.17	28.00	28.00	3958	3071
N30K15P80(5)_10	0.49	0.34	25.00	29.00	4467	4551
N30K15P80(6)_1	0.56	0.52	27.00	28.00	5842	5953
N30K15P80(6)_2	0.60	0.51	28.00	29.00	3965	5038
N30K15P80(6)_3	0.54	0.71	28.00	26.00	5831	3364
N30K15P80(6)_4	0.66	0.60	29.00	30.00	3958	4655
N30K15P80(6)_5	0.63	0.57	27.00	28.00	3884	3886
N30K15P80(6)_6	0.41	0.48	29.00	28.00	4518	4021
N30K15P80(6)_7	0.45	0.55	30.00	28.00	4643	3442
N30K15P80(6)_8	0.43	0.79	30.00	27.00	3495	5267
N30K15P80(6)_9	0.68	0.61	28.00	29.00	4813	4115
N30K15P80(6)_10	0.56	0.56	30.00	27.00	5052	4257
N30K15P80(7)_1	0.00	0.00	29.00	17.00	844	12
N30K15P80(7)_2	0.00	0.00	28.00	17.00	823	$\frac{12}{12}$
N30K15P80(7)_3	0.00	0.00	29.00	17.00 17.00	1208	12
N30K15P80(7)_4	0.00	0.00	23.00		3441 2455	12
N30K15P80(7)_5	0.01	0.00	29.00	17.00		12
N30K15P80(7)_6 N30K15P80(7)_7	0.00	0.00 0.00	29.00	17.00 17.00	513 985	12
N30K15P80(7)_7	0.00	0.00	28.00	17.00	985	11
N30K15P80(7)_8	0.00	0.00	28.00	17.00	602	11
N30K15P80(7)_10	0.00	0.00	25.00	17.00	1144	11
N30K15P80(8)_1	0.00	0.26	26.00	28.00	3972	3041
N30K15P80(8)_2	0.13	0.26	28.00	25.00	5794	3376
N30K15F80(8)_3	0.00	0.26	29.00	24.00	1909	3016
N30K15P80(8)_4	0.07	0.20	30.00	26.00	3758	5290
N30K15P80(8)_5	0.06	0.15	28.00	26.00	4815	4243
N30K15P80(8)_6	0.16	0.10	27.00	21.00	4002	4126
N30K15P80(8)_7	0.03	0.05	27.00	25.00	4359	5118
N30K15P80(8)_8	0.19	0.13	29.00	25.00	3564	3776
N30K15P80(8)_9	0.11	0.01	26.00	26.00	4660	3283
N30K15P80(8)_10	0.06	0.21	27.00	27.00	4478	2817
N30K15P80(9)_1	3.10	3.12	30.00	30.00	5667	5434
N30K15P80(9)_2	3.06	2.98	30.00	30.00	5214	4059
N30K15P80(9)_3	3.07	2.88	30.00	30.00	7016	4962
N30K15P80(9)_4	3.26	2.99	30.00	30.00	4779	4104
N30K15P80(9)_5	3.17	2.97	27.00	29.00	4972	4273
N30K15P80(9)_6	3.19	3.09	29.00	28.00	3833	5511
N30K15P80(9)_7	2.77	3.09	30.00	30.00	6446	5794
N30K15P80(9)_8	2.92	2.82	30.00	30.00	5845	4894
N30K15P80(9)_9	3.12	2.92	30.00	30.00	5240	6552
113011131 00(3)_3	0.14	4.34	50.00	90.00	0440	0002

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K15P80(9)_10	2.95	2.99	29.00	28.00	6341	5219
N30K15P80(10)_1	0.25	0.01	30.00	28.00	2845	3185
N30K15P80(10)_2	0.06	0.06	27.00	23.00	3653	2884
N30K15P80(10)_3	0.02	0.02	29.00	29.00	3513	3184
N30K15P80(10)_4	0.02	0.07	27.00	20.00	4019	2270
N30K15P80(10)_5	0.02	0.01	24.00	21.00	4798	3111
N30K15P80(10)_6	0.04	0.02	29.00	21.00	3352	3331
N30K15P80(10)_7	0.04	0.08	27.00	23.00	4001	2668
N30K15P80(10)_8	0.26	0.00	23.00	23.00	3346	3843
N30K15P80(10)_9	0.44	0.05	25.00	21.00	3298	4660
N30K15P80(10)_10	0.01	0.06	24.00	28.00	3514	3358
N30K20P50(1)_1	0.05	0.00	28.00	30.00	3613	371
N30K20P50(1)_2	0.00	0.00	28.00	29.00	881	223
N30K20P50(1)_3	0.00	0.00	29.00	29.00	1162	251
N30K20P50(1)_4	0.00	0.00	27.00	30.00	1161	189
N30K20P50(1)_5	0.06	0.00	26.00	25.00	2629	466
N30K20P50(1)_6	0.02	0.00	27.00	29.00	2495	301
N30K20P50(1)_7	0.00	0.00	29.00	26.00	1533	467
N30K20P50(1)_8	0.06	0.00	29.00	30.00	3386	188
N30K20P50(1)_9	0.00	0.00	25.00	30.00	2939	485
N30K20P50(1)_10	0.00	0.00	30.00	29.00	2027	322
N30K20P50(2)_1	0.00	0.00	27.00	27.00	3124	983
N30K20P50(2)_2	0.21	0.00	26.00	29.00	2403	355
N30K20P50(2)_3	0.00	0.09	26.00	27.00	1895	2207
N30K20P50(2)_4	0.05	0.00	25.00	28.00	3166	1912
N30K20P50(2)_5	0.00	0.00	29.00	28.00	944	1010
N30K20P50(2)_6	0.00	0.00	26.00	29.00	561	659
N30K20P50(2)_7	0.00	0.00	30.00	28.00	1450	814
N30K20P50(2)_8 N30K20P50(2)_9	0.00	0.00	29.00 30.00	29.00	1285 960	971 878
N30K20P50(2)_9 N30K20P50(2)_10	0.00	0.00	28.00	29.00 27.00	1012	2121
N30K20P50(2)_10	0.00	0.04	27.00	28.00	707	424
N30K20P50(3)_2	0.00	0.00	28.00	28.00	969	296
N30K20P50(3)_3	0.00	0.00	26.00	28.00	781	269
N30K20P50(3)_4	0.00	0.00	27.00	28.00	820	387
N30K20P50(3)_5	0.00	0.00	28.00	28.00	849	231
N30K20P50(3)_6	0.00	0.00	30.00	28.00	1527	419
N30K20P50(3)_7	0.00	0.00	29.00	29.00	946	250
N30K20P50(3)_8	0.00	0.00	28.00	28.00	820	453
N30K20P50(3)_9	0.00	0.00	30.00	28.00	919	347
N30K20P50(3)_10	0.00	0.00	29.00	28.00	677	310
N30K20P50(4)_1	0.00	0.00	28.00	20.00	352	13
N30K20P50(4)_2	0.00	0.00	30.00	20.00	844	12
N30K20P50(4)_3	0.00	0.00	28.00	20.00	386	12
N30K20P50(4)_4	0.00	0.00	27.00	20.00	742	12
N30K20P50(4)_5	0.00	0.00	29.00	20.00	540	13
N30K20P50(4)_6	0.00	0.00	27.00	20.00	660	12
N30K20P50(4)_7	0.00	0.00	27.00	20.00	664	13
N30K20P50(4)_8	0.00	0.00	29.00	20.00	419	12
N30K20P50(4)_9	0.00	0.00	29.00	20.00	633	13
N30K20P50(4)_10	0.00	0.00	28.00	20.00	494	13
N30K20P50(5)_1	0.04	0.00	29.00	29.00	4102	1288
N30K20P50(5)_2	0.04	0.00	28.00	29.00	3716	1051
N30K20P50(5)_3	0.00	0.00	28.00	28.00	1415	1122
N30K20P50(5)_4	0.05	0.03	28.00	27.00	3859	2604
N30K20P50(5)_5	0.07	0.00	28.00	27.00	2960	945
N30K20P50(5)_6	0.00	0.06	30.00	30.00	2250	3065

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K20P50(5)_7	0.03	0.04	29.00	26.00	4941	2864
N30K20P50(5)_8	0.03	0.00	30.00	24.00	3318	3902
N30K20P50(5)_9	0.00	0.00	28.00	28.00	1759	997
N30K20P50(5)_10	0.03	0.00	28.00	29.00	4537	1412
N30K20P50(6)_1	0.00	0.00	28.00	26.00	1349	849
N30K20P50(6)_2	0.00	0.00	27.00	29.00	1413	590
N30K20P50(6)_3	0.00	0.00	28.00	29.00	1106	654
N30K20P50(6)_4	0.00	0.04	27.00	25.00	936	2414
N30K20P50(6)_5	0.00	0.00	27.00	27.00	821	421
N30K20P50(6)_6	0.00	0.00	27.00	26.00	1480	484
N30K20P50(6)_7	0.00	0.00	28.00	29.00	1406	1265
N30K20P50(6)_8	0.00	0.00	27.00	30.00	1434	508
N30K20P50(6)_9	0.00	0.00	29.00	22.00	1012	536
N30K20P50(6)_10	0.00	0.00	28.00	29.00	1136	334
N30K20P50(7)_1	0.00	0.00	29.00	20.00	302	12
N30K20P50(7)_2	0.00	0.00	30.00	20.00	193	13
N30K20P50(7)_3	0.00	0.00	29.00	20.00	318	13
N30K20P50(7)_4	0.00	0.00	30.00	20.00	471	12
N30K20P50(7)_5	0.00	0.00	28.00	20.00	284	13
N30K20P50(7)_6	0.00	0.00	27.00	20.00	494	13
N30K20P50(7)_7	0.00	0.00	29.00	20.00	265	13
N30K20P50(7)_8	0.00	0.00	30.00	20.00	532	12
N30K20P50(7)_9	0.00	0.00	29.00	20.00	242	13
N30K20P50(7)_10	0.00	0.00	29.00	20.00	316	13
N30K20P50(8)_1	0.07	0.03	25.00	26.00	5968	4838
N30K20P50(8)_2	0.10	0.00	28.00	29.00	3568	3945
N30K20P50(8)_3	0.10	0.04	28.00	28.00	3114	3912
N30K20P50(8)_4	0.03	0.00	25.00	27.00	3581	2038
N30K20P50(8)_5	0.05	0.22	28.00	25.00	4653	2732
N30K20P50(8)_6	0.04	0.06	28.00	24.00	3508	3632
N30K20P50(8)_7	0.00	0.03	29.00	24.00	4666	4951
N30K20P50(8)_8	0.06	0.00	25.00	28.00	4884	2558
N30K20P50(8)_9	0.03	0.02	29.00	25.00	3985	5435
N30K20P50(8)_10	0.16	0.00	26.00	28.00	2622	3342
N30K20P50(9)_1	1.73	1.87	29.00	24.00	5034	4750
N30K20P50(9)_2	1.48	1.74	28.00	29.00	6216	4613
N30K20P50(9)_3	1.78	1.68	28.00	28.00	5355	4643
N30K20P50(9)_4	1.62	1.75	29.00	27.00	6057	7805
N30K20P50(9)_5	1.44	1.46	29.00	29.00	5757	4850
N30K20P50(9)_6	1.88	1.58	29.00	30.00	7385	7942
N30K20P50(9)_7	1.57	1.50	28.00	28.00	5666	5020
N30K20P50(9)_8	1.63	1.49	30.00	30.00	4951	5617
N30K20P50(9)_9	2.04	1.76	28.00	26.00	4915	4179
N30K20P50(9)_10	1.99	2.02	26.00	28.00	5022	5878
N30K20P50(10)_1	0.00	0.00	26.00	27.00	851	543
N30K20P50(10)_2	0.00	0.00	29.00	27.00	936	747
N30K20P50(10)_3	0.00	0.00	28.00	26.00	868	1026
N30K20P50(10)_4	0.00	0.00	28.00	25.00	1445	802
N30K20P50(10)_5	0.00	0.07	29.00	24.00	912	2823
N30K20P50(10)_6	0.00	0.00	26.00	23.00	1720	861
N30K20P50(10)_7	0.00	0.00	27.00	24.00	1339	1013
N30K20P50(10)_8	0.00	0.00	28.00	23.00	1015	896
N30K20P50(10)_9	0.00	0.00	29.00	27.00	1214	994
N30K20P50(10)_10	0.00	0.00	28.00	26.00	937	978
N30K20P60(1)_1	0.07	0.15	30.00	25.00	5395	3695
N30K20P60(1)_2	0.06	0.06	29.00	27.00	4158	4762
N30K20P60(1)_3	0.13	0.05	30.00	28.00	4097	3468
	J.20	3.00		_0.00	-001	3 200

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K20P60(1)_4	0.07	0.17	28.00	27.00	4474	3176
N30K20P60(1)_5	0.22	0.15	27.00	25.00	3495	3496
N30K20P60(1)_6	0.17	0.07	30.00	27.00	3645	4171
N30K20P60(1)_7	0.09	0.17	27.00	25.00	4838	4180
N30K20P60(1)_8	0.10	0.08	28.00	26.00	5183	3912
N30K20P60(1)_9	0.10	0.15	28.00	28.00	5162	4140
N30K20P60(1)_10	0.24	0.15	27.00	25.00	6960	3921
N30K20P60(2)_1	0.16	0.18	29.00	28.00	6044	4482
N30K20P60(2)_2	0.42	0.22	28.00	29.00	4619	3306
N30K20P60(2)_3	0.23	0.13	29.00	27.00	4152	3479
N30K20P60(2)_4	0.07	0.16	30.00	28.00	4539	3548
N30K20P60(2)_5	0.09	0.22	29.00	27.00	5613	3934
N30K20P60(2)_6	0.09	0.16	30.00	27.00	4721	4846
N30K20P60(2)_7	0.14	0.08	29.00	30.00	3054	4075
N30K20P60(2)_8	0.13	0.20	30.00	28.00	5691	4239
N30K20P60(2)_9	0.11	0.15	29.00	28.00	3296	3671
N30K20P60(2)_10	0.21	0.12	28.00	30.00	4365	4436
N30K20P60(3)_1	0.30	0.14	28.00	28.00	5047	3765
N30K20P60(3)_2	0.15	0.19	29.00	27.00	4371	3388
N30K20P60(3)_3	0.15	0.22	27.00	26.00	4394	4864
N30K20P60(3)_4	0.13	0.16	29.00	29.00	4600	3836
N30K20P60(3)_5	0.15	0.21	30.00	29.00	4482	5810
N30K20P60(3)_6	0.16	0.29	28.00	26.00	4071	4980
N30K20P60(3)_7	0.15	0.16	29.00	27.00	4635	4429
N30K20P60(3)_8	0.18	0.25	29.00	25.00	4892	3837
N30K20P60(3)_9	0.15	0.14	29.00	28.00	4136	3943
N30K20P60(3)_10	0.14	0.19	29.00	28.00	3004	3677
N30K20P60(4)_1	0.01	0.02	26.00	24.00	2923	2690
N30K20P60(4)_2	0.01	0.03	28.00	24.00	4671	2564
N30K20P60(4)_3	0.02	0.02	29.00	29.00	3914	2524
N30K20P60(4)_4	0.03	0.01	27.00	23.00	3514	3094
N30K20P60(4)_5	0.01	0.00	28.00	28.00	4257	1229
N30K20P60(4)_6	0.02	0.01	28.00	26.00	3971	2325
N30K20P60(4)_7	0.01	0.00	28.00	28.00	3418	1866
N30K20P60(4)_8	0.03	0.00	26.00	28.00	3073	2273
N30K20P60(4)_9	0.01	0.04	29.00	26.00	3634	2771
N30K20P60(4)_10	0.08	0.00	26.00	29.00	2774	1067
N30K20P60(5)_1	0.39	0.37	28.00	29.00	6355	5820
N30K20P60(5)_2	0.27	0.38	29.00	28.00	8328	3958
N30K20P60(5)_3	0.25	0.44	29.00	30.00	8329	6927
N30K20P60(5)_4	0.19	0.31	30.00	30.00	5299	6173
N30K20P60(5)_5	0.40	0.50	30.00	29.00	6127	7398
N30K20P60(5)_6	0.54	0.32	29.00	29.00	4637	3778
N30K20P60(5)_7	0.20	0.32	29.00	30.00	4798	5349
N30K20P60(5)_8	0.42	0.66	30.00	30.00	4968	4345
N30K20P60(5)_9	0.26	0.38	30.00	29.00	6477	7987
N30K20P60(5)_10	0.33	0.17	29.00	29.00	6460 4672	7204
N30K20P60(6)_1	0.22	0.21	30.00	30.00	4672	5481
N30K20P60(6)_2	0.24	0.32	28.00	27.00	5536	4682
N30K20P60(6)_3	0.22	0.22	30.00	30.00	5217	5650
N30K20P60(6)_4	0.25	0.28	29.00	29.00	4168	5303
N30K20P60(6)_5	0.32	0.19	30.00	29.00	4434	7900
N30K20P60(6)_6	0.27	$\frac{0.31}{0.32}$	27.00	28.00	4926	5119
N30K20P60(6)_7	0.30		29.00	28.00	4580	4359 5720
N30K20P60(6)_8	0.17	0.17	28.00	30.00	4774	5720
N30K20P60(6)_9	0.35	0.29	29.00	28.00	5085	4953
N30K20P60(6)_10	0.22	0.37	27.00	28.00	3677	5187

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46 324 28 512 07 748 39 392 29 417 15 872 39 258 38 627 36 685 36 5077
28 512 07 748 39 392 29 417 15 872 39 258 38 627 96 685 36 5077
748 69 392 29 417 15 872 69 258 68 627 66 685 66 5077
392 392 417 15 872 39 258 38 627 36 685 36 5077
29 417 15 872 69 258 38 627 06 685 66 5077
15 872 69 258 38 627 96 685 36 5077
69 258 38 627 96 685 36 5077
38 627 96 685 36 5077
96 685 86 5077
36 5077
1500
33 4588
11 5903
36 5189
13 4884
50 4605
28 5474
22 4302
10 3950
4543
51 5374
4608
70 7743
28 4485
30 7020
57 5000
52 5167
21 6081
4920
34 4939
23 4332
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03 6124
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34 4840
76 4755
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12 7332
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93 4628
76 5961
35 5711
34 5475
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56 5879
92 4476
13 3622

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K20P70(2)_8	0.81	0.73	30.00	30.00	5721	4738
N30K20P70(2)_9	0.75	0.84	29.00	29.00	4542	3084
N30K20P70(2)_10	0.74	0.80	30.00	26.00	4563	4574
N30K20P70(3)_1	0.75	0.50	29.00	30.00	4634	4861
N30K20P70(3)_2	0.80	0.59	30.00	29.00	5107	4315
N30K20P70(3)_3	0.75	$\frac{0.53}{0.71}$	29.00	30.00	4201	3106
N30K20P70(3)_4	0.70	0.71	29.00	29.00	5475	3991
N30K20P70(3)_5	0.70	0.04	30.00	30.00	5571	5066
N30K20P70(3)_6	0.33	0.47	29.00	28.00	5136	4323
N30K20P70(3)_7	0.74	$\frac{0.09}{0.67}$	30.00	27.00	4861	4323
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N30K20P70(3)_8	0.85	$\frac{0.77}{0.72}$	30.00	29.00	4809	3791
N30K20P70(3)_9	0.85	0.73	29.00	29.00	5512	4217
N30K20P70(3)_10	0.65	0.54	30.00	30.00	5483	4994
N30K20P70(4)_1	0.16	0.08	29.00	27.00	5161	3989
N30K20P70(4)_2	0.22	0.07	30.00	29.00	5877	4024
N30K20P70(4)_3	0.23	0.04	28.00	26.00	3545	4701
N30K20P70(4)_4	0.26	0.15	28.00	28.00	5095	2960
N30K20P70(4)_5	0.19	0.17	28.00	28.00	5097	3130
N30K20P70(4)_6	0.20	0.12	30.00	26.00	5487	4977
N30K20P70(4)_7	0.38	0.07	28.00	28.00	4613	4677
N30K20P70(4)_8	0.25	0.20	27.00	27.00	4432	4005
N30K20P70(4)_9	0.22	0.07	29.00	29.00	3998	4187
N30K20P70(4)_10	0.14	0.09	30.00	27.00	3226	3930
N30K20P70(5)_1	1.18	1.09	30.00	29.00	5439	5905
N30K20P70(5)_2	1.09	1.28	30.00	28.00	5995	8693
N30K20P70(5)_3	1.19	1.28	30.00	30.00	5234	6533
N30K20P70(5)_4	0.88	1.07	30.00	30.00	6184	7517
N30K20P70(5)_5	1.00	1.20	29.00	30.00	5690	5547
N30K20P70(5)_6	1.36	1.22	30.00	30.00	6388	6270
N30K20P70(5)_7	1.44	1.29	28.00	29.00	5255	5141
N30K20P70(5)_8	1.23	0.96	28.00	29.00	4621	5724
N30K20P70(5)_9	1.23	1.35	30.00	29.00	4095	3779
N30K20P70(5)_10	1.25	1.04	28.00	30.00	4567	8504
N30K20P70(6)_1	1.15	1.28	30.00	29.00	4390	6332
N30K20P70(6)_2	1.36	1.28	29.00	29.00	4823	4986
N30K20P70(6)_3	1.26	1.21	29.00	29.00	6255	8056
N30K20P70(6)_4	1.19	1.29	29.00	29.00	6337	6643
N30K20P70(6)_5	1.14	1.21	30.00	30.00	7712	4831
N30K20P70(6)_6	1.08	1.21	29.00	29.00	7042	5775
N30K20P70(6)_7	1.13	1.29	30.00	28.00	8373	4402
N30K20P70(6)_8	1.44	1.28	30.00	30.00	5544	6357
N30K20P70(6)_9	1.03	$\frac{1.25}{1.25}$	30.00	29.00	8138	4779
N30K20P70(6)_10	1.26	$\frac{1.25}{1.35}$	30.00	30.00	6058	5736
N30K20P70(7)_1	0.11	0.13	25.00	26.00	3529	4328
N30K20P70(7)_1 N30K20P70(7)_2	0.11	0.13	29.00	25.00	5022	3409
N30K20P70(7)_2 N30K20P70(7)_3	0.01	0.03	28.00	26.00	4690	3399
N30K20P70(7)_3	0.02	0.02	29.00	27.00	5117	4058
N30K20P70(7)_4 N30K20P70(7)_5	0.14	0.04	28.00	26.00	4331	2985
N30K20P70(7)_5 N30K20P70(7)_6	0.13	0.18	30.00	26.00	4506	4085
N30K20P70(7)_6 N30K20P70(7)_7	0.20	0.05	28.00	26.00	3661	
` '						3470
N30K20P70(7)_8	0.11	0.00	28.00	26.00	4209	5047
N30K20P70(7)_9	0.28	0.11	29.00	26.00	3415	3106
N30K20P70(7)_10	0.15	0.05	27.00	26.00	3138	2830
N30K20P70(8)_1	1.54	1.33	28.00	28.00	6665	6126
N30K20P70(8)_2	1.25	1.44	29.00	28.00	6709	8238
N30K20P70(8)_3	1.38	1.48	27.00	29.00	6465	4387
N30K20P70(8)_4	1.58	1.19	27.00	29.00	4877	7614

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K20P70(8)_5	1.25	1.29	27.00	27.00	7091	6298
N30K20P70(8)_6	1.43	1.41	30.00	28.00	4897	4645
N30K20P70(8)_7	1.32	1.37	29.00	29.00	5646	5980
N30K20P70(8)_8	1.33	1.22	29.00	29.00	4929	6016
N30K20P70(8)_9	1.64	1.35	27.00	29.00	6530	4313
N30K20P70(8)_10	1.39	1.39	27.00	26.00	6179	6015
N30K20P70(9)_1	4.58	4.44	30.00	30.00	4497	7885
N30K20P70(9)_2	4.24	4.72	30.00	30.00	6831	5175
N30K20P70(9)_3 N30K20P70(9)_4	4.36 4.44	4.36	30.00	30.00	5982 7427	5696 6556
N30K20P70(9)_5	4.54	4.35	28.00	30.00	6583	7172
N30K20P70(9)_6	4.47	4.64	29.00	28.00	5044	4921
N30K20P70(9)_7	4.51	4.65	30.00	29.00	6623	5922
N30K20P70(9)_8	4.31	4.63	30.00	30.00	5815	5069
N30K20P70(9)_9	4.52	4.28	30.00	30.00	6084	5500
N30K20P70(9)_10	4.49	4.44	30.00	30.00	5579	6938
N30K20P70(10)_1	1.08	1.14	29.00	24.00	5306	5074
N30K20P70(10)_2	0.91	1.11	30.00	26.00	4173	4373
N30K20P70(10)_3	0.90	1.29	29.00	29.00	7394	3978
N30K20P70(10)_4	1.03	1.25	26.00	24.00	5547	4294
N30K20P70(10)_5	0.95	1.17	28.00	26.00	6577	4470
N30K20P70(10)_6	1.09	1.04	26.00	28.00	4630	4754
N30K20P70(10)_7	1.10	1.13	26.00	25.00	4459	4013
N30K20P70(10)_8	0.91	1.17	29.00	25.00	3738	5467
N30K20P70(10)_9 N30K20P70(10)_10	1.26 0.95	1.04	29.00 29.00	24.00 26.00	$\frac{4857}{7385}$	5477 5102
N30K20P80(1)_1	1.18	1.07	29.00	30.00	7706	4450
N30K20P80(1)_2	1.40	1.07	26.00	29.00	4856	4643
N30K20P80(1)_3	1.43	0.97	30.00	29.00	4243	3755
N30K20P80(1)_4	1.38	0.98	29.00	29.00	4518	5950
N30K20P80(1)_5	1.76	1.26	26.00	28.00	3442	3170
N30K20P80(1)_6	1.44	1.05	29.00	28.00	4888	4531
N30K20P80(1)_7	1.16	0.98	30.00	30.00	4911	3883
N30K20P80(1)_8	1.26	1.25	28.00	27.00	5728	4294
N30K20P80(1)_9	1.38	1.04	26.00	28.00	4900	3729
N30K20P80(1)_10	1.27	0.96	30.00	29.00	4187	4060
N30K20P80(2)_1	1.49	1.54	30.00	30.00	4470	4079
N30K20P80(2)_2	1.22	1.46	29.00	27.00	6967	5582
N30K20P80(2)_3	1.38	1.45	30.00	29.00	7128	3010
N30K20P80(2)_4	1.31	1.28	30.00	29.00	5410	3704
N30K20P80(2)_5 N30K20P80(2)_6	1.47 1.52	1.30	30.00	30.00	4196 5051	$\frac{3987}{6417}$
N30K20P80(2)_6 N30K20P80(2)_7	1.52	1.30	29.00	30.00	4025	4179
N30K20P80(2)_8	1.38	1.53	27.00	28.00	6798	3412
N30K20P80(2)_9	1.32	1.28	28.00	30.00	6324	5081
N30K20P80(2)_10	1.14	1.69	30.00	29.00	4873	3123
N30K20P80(3)_1	1.38	1.46	30.00	28.00	7549	4948
N30K20P80(3)_2	1.29	1.21	29.00	30.00	5770	6128
N30K20P80(3)_3	1.38	1.33	26.00	30.00	4444	4759
N30K20P80(3)_4	1.49	1.51	30.00	30.00	4956	5016
N30K20P80(3)_5	1.37	1.39	29.00	30.00	4531	4513
N30K20P80(3)_6	1.25	1.54	30.00	25.00	5229	3567
N30K20P80(3)_7	1.43	1.36	29.00	29.00	3785	4519
N30K20P80(3)_8	1.39	1.58	30.00	30.00	4507	5641
N30K20P80(3)_9	1.40	1.49	30.00	29.00	5413	3698
N30K20P80(3)_10	1.45	1.43	30.00	27.00	5209	4109
N30K20P80(4)_1	0.53	0.49	30.00	28.00	5001	3589

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K20P80(4)_2	0.49	0.41	28.00	28.00	4927	4651
N30K20P80(4)_3	0.53	0.55	29.00	25.00	5191	6508
N30K20P80(4)_4	0.58	0.29	30.00	29.00	4867	6480
N30K20P80(4)_5	0.67	0.51	30.00	29.00	5126	3586
N30K20P80(4)_6	0.59	0.58	30.00	28.00	5592	3003
N30K20P80(4)_7	0.64	0.47	29.00	28.00	5250	4397
N30K20P80(4)_8	0.48	0.43	29.00	29.00	5815	4745
N30K20P80(4)_9	0.70	0.44	28.00	29.00	3934	3763
N30K20P80(4)_10	0.56	0.43	29.00	29.00	7078	3441
N30K20P80(5) ₋ 1	1.87	1.89	29.00	30.00	7111	5120
N30K20P80(5)_2	1.91	2.11	28.00	30.00	6671	6476
N30K20P80(5)_3	2.04	2.12	29.00	29.00	4254	4423
N30K20P80(5)_4	2.03	1.79	28.00	28.00	4050	6180
N30K20P80(5)_5	2.06	1.76	29.00	28.00	6249	5606
N30K20P80(5)_6	1.79	1.56	30.00	30.00	6144	6134
N30K20P80(5)_7	1.80	2.04	29.00	28.00	6027	7101
N30K20P80(5)_8	1.79	1.93	29.00	30.00	5761	8294
N30K20P80(5)_9	1.77	2.00	29.00	29.00	6196	7494
N30K20P80(5)_10	2.06	2.09	29.00	29.00	5446	4312
N30K20P80(6)_1	2.31	2.12	30.00	30.00	5073	4830
N30K20P80(6)_2	2.25	2.04	30.00	30.00	6523	5904
N30K20P80(6)_3	2.00	2.29	30.00	30.00	5417	6555
N30K20P80(6)_4	2.04	2.12	29.00	30.00	8168	4269
N30K20P80(6)_5	2.05	2.24	28.00	28.00	5217	5043
N30K20P80(6)_6	2.17	2.37	30.00	30.00	8352	4514
N30K20P80(6)_7	2.21	2.20	28.00	29.00	5244	4791
N30K20P80(6)_8	2.12	2.35	30.00	29.00	8319	5923
N30K20P80(6)_9	2.13	2.06	29.00	30.00	6571	4143
N30K20P80(6)_10	2.02	2.10	28.00	29.00	5320	6991
N30K20P80(7)_1	0.39	0.12	28.00	27.00	4459	3222
N30K20P80(7)_2	0.35	0.30	27.00	27.00	4825	5252
N30K20P80(7)_3	0.01	0.28	29.00	27.00	4814	4248
N30K20P80(7)_4	0.11	0.25	26.00	26.00	4882	2992
N30K20P80(7)_5	0.15	0.09	30.00	27.00	3877	4195
N30K20P80(7)_6	0.26	0.35	27.00	26.00	4750	3618
N30K20P80(7)_7 N30K20P80(7)_8	0.15	0.09	30.00	27.00 27.00	4370	4338
N30K20P80(7)_8	0.23	0.10	29.00	26.00	4248	$\frac{7117}{3653}$
N30K20P80(7)_9	0.12	0.12	28.00	26.00	4817 6257	4765
N30K20P80(8)_1	2.32	2.43	27.00	28.00	3963	3645
N30K20P80(8)_2	2.32	$\frac{2.43}{2.22}$	29.00	28.00	5350	8263
N30K20P80(8)_3	2.16	$\frac{2.22}{2.36}$	27.00	28.00	5450	5478
N30K20P80(8)_4	2.54	2.38	27.00	28.00	4349	4757
N30K20P80(8)_5	2.22	2.48	29.00	24.00	4915	5013
N30K20P80(8)_6	2.33	2.29	28.00	28.00	4225	5947
N30K20P80(8)_7	2.42	$\frac{2.23}{2.57}$	27.00	30.00	5243	4354
N30K20P80(8)_8	2.44	$\frac{2.07}{2.07}$	25.00	28.00	6923	4662
N30K20P80(8)_9	2.50	$\frac{2.01}{2.42}$	28.00	29.00	4208	6604
N30K20P80(8)_10	2.26	2.32	28.00	25.00	5132	4914
N30K20P80(9)_1	6.13	$\frac{2.52}{6.54}$	30.00	29.00	7272	4277
N30K20P80(9)_2	5.87	6.16	30.00	30.00	4679	4465
N30K20P80(9)_3	5.95	6.25	30.00	30.00	7109	4692
N30K20P80(9)_4	6.36	6.19	30.00	30.00	7564	5308
N30K20P80(9)_5	6.28	6.45	30.00	30.00	5175	4693
N30K20P80(9)_6	5.98	6.01	30.00	30.00	5329	7939
N30K20P80(9)_7	6.08	6.14	30.00	28.00	4939	6067
N30K20P80(9)_8	6.36	6.33	29.00	28.00	4725	7791
- 1.2 2.1.2 0.3 (7)=0		3.55				

N30K20P80(9)_9	GGA 6204 5592 3164 5504 3938 7534 4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926 3610
N30K20P80(9)_10	5592 3164 5504 3938 7534 4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_1	3164 5504 3938 7534 4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_2 1.98 1.84 28.00 29.00 4469 N30K20P80(10)_3 1.92 2.02 30.00 26.00 8075 N30K20P80(10)_4 1.93 2.02 28.00 29.00 5859 N30K20P80(10)_5 2.01 2.07 27.00 28.00 6381 N30K20P80(10)_6 2.01 1.77 27.00 26.00 6562 N30K20P80(10)_7 2.03 1.77 29.00 26.00 4592 N30K20P80(10)_8 1.81 1.95 28.00 29.00 6171 N30K20P80(10)_9 1.78 2.09 29.00 26.00 6428 N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.5	5504 3938 7534 4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_3 1.92 2.02 30.00 26.00 8075 N30K20P80(10)_4 1.93 2.02 28.00 29.00 5859 N30K20P80(10)_5 2.01 2.07 27.00 28.00 6381 N30K20P80(10)_6 2.01 1.77 27.00 26.00 6562 N30K20P80(10)_7 2.03 1.77 29.00 26.00 4592 N30K20P80(10)_8 1.81 1.95 28.00 29.00 6171 N30K20P80(10)_9 1.78 2.09 29.00 26.00 6428 N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53	3938 7534 4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_4 1.93 2.02 28.00 29.00 5859 N30K20P80(10)_5 2.01 2.07 27.00 28.00 6381 N30K20P80(10)_6 2.01 1.77 27.00 26.00 6562 N30K20P80(10)_7 2.03 1.77 29.00 26.00 4592 N30K20P80(10)_8 1.81 1.95 28.00 29.00 6171 N30K20P80(10)_9 1.78 2.09 29.00 26.00 6428 N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36<	7534 4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_5 2.01 2.07 27.00 28.00 6381 N30K20P80(10)_6 2.01 1.77 27.00 26.00 6562 N30K20P80(10)_7 2.03 1.77 29.00 26.00 4592 N30K20P80(10)_8 1.81 1.95 28.00 29.00 6171 N30K20P80(10)_9 1.78 2.09 29.00 26.00 6428 N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 28.00 4335 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_8 1.76 1.53 </td <td>4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926</td>	4085 6560 6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_6 2.01 1.77 27.00 26.00 6562 N30K20P80(10)_7 2.03 1.77 29.00 26.00 4592 N30K20P80(10)_8 1.81 1.95 28.00 29.00 6171 N30K20P80(10)_10 1.78 2.09 29.00 26.00 6428 N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 29.00 4335 N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_9 1.38 1.97 </td <td>6560 6982 5176 4611 4889 4434 4162 4368 4788 3926</td>	6560 6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_7 2.03 1.77 29.00 26.00 4592 N30K20P80(10)_8 1.81 1.95 28.00 29.00 6171 N30K20P80(10)_9 1.78 2.09 29.00 26.00 6428 N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 29.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_17 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 </td <td>6982 5176 4611 4889 4434 4162 4368 4788 3926</td>	6982 5176 4611 4889 4434 4162 4368 4788 3926
N30K20P80(10)_8 1.81 1.95 28.00 29.00 6171 N30K20P80(10)_9 1.78 2.09 29.00 26.00 6428 N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_17 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 27.00 3102 N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(2)_1 1.03 0.85 <td>5176 4611 4889 4434 4162 4368 4788 3926</td>	5176 4611 4889 4434 4162 4368 4788 3926
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N30K20P80(10)_10 1.93 2.01 27.00 26.00 5235 N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_7 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 29.00 3331 N30K25P50(2)_2 1.17 1.17	4889 4434 4162 4368 4788 3926
N30K25P50(1)_1 1.43 1.53 30.00 26.00 2697 N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_7 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 29.00 3331 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5487 N30K25P50(2)_4 0.84 0.85	4434 4162 4368 4788 3926
N30K25P50(1)_2 1.37 1.36 28.00 29.00 5154 N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_7 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 29.00 3331 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5487 N30K25P50(2)_4 0.84 0.85	4162 4368 4788 3926
N30K25P50(1)_3 1.56 1.30 28.00 28.00 3695 N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_7 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 29.00 3331 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 30.00 6823 N30K25P50(2)_5 0.99	4368 4788 3926
N30K25P50(1)_4 1.38 1.54 29.00 26.00 4081 N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_7 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 29.00 3331 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_3 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6821 N30K25P50(2)_6 0.67 0.83	4788 3926
N30K25P50(1)_5 1.37 1.53 30.00 29.00 4379 N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_7 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 29.00 3331 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86	3926
N30K25P50(1)_6 1.36 1.36 30.00 28.00 4335 N30K25P50(1)_7 1.55 1.71 28.00 25.00 4108 N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 28.00 4012 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67	
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N30K25P50(1)_8 1.76 1.53 28.00 28.00 3053 N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 28.00 4012 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	
N30K25P50(1)_9 1.38 1.97 28.00 27.00 3102 N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 28.00 4012 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	3461
N30K25P50(1)_10 1.53 1.53 28.00 29.00 3331 N30K25P50(2)_1 1.03 0.85 28.00 28.00 4012 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 4744 N30K25P50(2)_7 0.83 0.68 30.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	4451
N30K25P50(2)_1 1.03 0.85 28.00 28.00 4012 N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 6821 N30K25P50(2)_7 0.83 0.68 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	3212
N30K25P50(2)_2 1.17 1.17 28.00 27.00 5487 N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 6821 N30K25P50(2)_7 0.83 0.68 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	3550
N30K25P50(2)_3 0.85 1.04 30.00 27.00 5027 N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 6821 N30K25P50(2)_7 0.83 0.68 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	5617
N30K25P50(2)_4 0.84 0.85 30.00 29.00 3803 N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 6821 N30K25P50(2)_7 0.83 0.68 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	4564
N30K25P50(2)_5 0.99 0.69 29.00 30.00 6823 N30K25P50(2)_6 0.67 0.83 30.00 30.00 6821 N30K25P50(2)_7 0.83 0.68 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	4111
N30K25P50(2)_6 0.67 0.83 30.00 30.00 6821 N30K25P50(2)_7 0.83 0.68 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	4652
N30K25P50(2)_7 0.83 0.68 30.00 30.00 4744 N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	5584
N30K25P50(2)_8 0.86 0.86 29.00 30.00 7106 N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	6176
N30K25P50(2)_9 0.83 0.67 30.00 30.00 4723	4547
	5050
1 - N20V25D50(2) 10 - 1 104 - 109 - 10000 - 2000 - 4990	5061
N30K25P50(2)_10 1.04 1.03 29.00 30.00 4320 N30K25P50(3)_1 0.34 1.10 29.00 28.00 5530	6594 5395
N30K25P50(3)_2 0.83 0.93 27.00 28.00 4354 N30K25P50(3)_3 0.59 0.67 29.00 29.00 5083	3996 4335
N30K25P50(3)_4 0.57 0.35 29.00 30.00 4934	6226
N30K25F50(3)_5	3419
N30K25P50(3)_6 0.55 0.38 29.00 30.00 6086	5289
N30K25P50(3)_7 0.74 0.44 28.00 29.00 5443	7913
N30K25F50(3)_8 0.77 0.58 29.00 29.00 4543	4656
N30K25P50(3)_9	5977
N30K25P50(3)_10 0.75 0.71 30.00 30.00 5486	4307
N30K25P50(4)_1 0.30 0.55 29.00 27.00 3501	3781
N30K25P50(4)_2 0.13 0.55 27.00 27.00 5450	3094
N30K25P50(4)_3 0.24 0.56 28.00 27.00 5964	4515
N30K25P50(4)_4 0.27 0.74 30.00 27.00 4396	3234
N30K25P50(4)_5 0.17 0.73 28.00 27.00 3823	3974
N30K25P50(4)_6 0.38 0.49 30.00 25.00 4057	4000
N30K25P50(4)_7	5654
N30K25P50(4)_8 0.12 0.76 30.00 28.00 4387	2615
N30K25P50(4)_9 0.06 0.28 28.00 30.00 3750	4496
N30K25P50(4)_10	4130
N30K25P50(5)_1 1.33 1.32 29.00 28.00 6553	
N30K25P50(5)-2 1.29 1.31 30.00 29.00 7408	6973
N30K25P50(5)_3 1.45 1.32 30.00 30.00 6150	
N30K25P50(5)_4 1.31 1.28 30.00 29.00 5378	6973
N30K25P50(5)_5 1.45 1.30 29.00 30.00 5677	6973 4449

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K25P50(5)_6	1.31	1.30	30.00	30.00	4198	5074
N30K25P50(5)_7	1.46	1.32	29.00	30.00	5917	4630
N30K25P50(5)_8	1.49	1.30	28.00	30.00	5915	6065
N30K25P50(5)_9	1.42	1.28	29.00	28.00	5467	3934
N30K25P50(5)_10	1.31	1.31	30.00	30.00	4988	5497
N30K25P50(6)_1	0.70	0.77	30.00	30.00	6352	4305
N30K25P50(6)_2	0.53	0.61	30.00	29.00	5612	4920
N30K25P50(6)_3	0.42	0.74	28.00	29.00	5555	5692
N30K25P50(6)_4	0.60	0.77	30.00	30.00	8715	5184
N30K25P50(6)_5	0.78	0.72	29.00	28.00	4386	4844
N30K25P50(6)_6	0.42	0.60	29.00	29.00	3955	5731
N30K25P50(6)_7	0.60	0.82	30.00	29.00	5402	5800
N30K25P50(6)_8	0.66	0.42	28.00	29.00	5718	4361
N30K25P50(6)_9	0.61	1.03	28.00	29.00	4198	4340
N30K25P50(6)_10	0.79	0.87	30.00	29.00	5239	5914
N30K25P50(7) ₋ 1	0.27	0.20	29.00	28.00	4408	2649
N30K25P50(7)_2	0.20	0.20	28.00	27.00	3082	2944
N30K25P50(7)_3	0.27	0.24	26.00	28.00	3057	2664
N30K25P50(7)_4	0.09	0.20	28.00	27.00	6950	2626
N30K25P50(7)_5	0.45	0.20	27.00	27.00	2871	3046
N30K25P50(7)_6	0.20	0.20	29.00	28.00	2848	3288
N30K25P50(7)_7	0.28	0.20	29.00	29.00	2495	4393
N30K25P50(7)_8	0.26	0.20	26.00	27.00	4530	4464
N30K25P50(7)_9	0.45	0.10	27.00	28.00	2670	3068
N30K25P50(7)_10	0.26	0.27	27.00	28.00	3040	2835
N30K25P50(8)_1	1.48	1.47	28.00	29.00	4192	4668
N30K25P50(8)_2	1.43	1.25	29.00	28.00	6624	5028
N30K25P50(8)_3	1.48	1.43	29.00	29.00	4531	5100
N30K25P50(8)_4	1.47	1.47	29.00	29.00	4424	5769
N30K25P50(8)_5	1.47	1.52	27.00	27.00	5799	6072
N30K25P50(8)_6	1.52	1.47	28.00	28.00	3951	4642
N30K25P50(8)_7	1.43	1.48	28.00	29.00	6965	6502
N30K25P50(8)_8	1.28	1.49	30.00	29.00	3733	4857
N30K25P50(8)_9	1.43	1.47	29.00	29.00	6455	5513
N30K25P50(8)_10	1.33	1.52	28.00	28.00	4842	4671
N30K25P50(9)_1	3.55	3.39	30.00	30.00	5360	5474
N30K25P50(9)_2	3.38	3.68	29.00	30.00	4641	5303
N30K25P50(9)_3	3.50	3.76	30.00	30.00	4866	6253
N30K25P50(9)_4	3.36	3.56	30.00	30.00	5800	6456
N30K25P50(9)_5	3.37	3.50	30.00	30.00	7648	5288
N30K25P50(9)_6	3.48	3.27	30.00	30.00	6051	6212
N30K25P50(9)_7	3.30	$\frac{3.57}{3.27}$	30.00	30.00	7391	5994
N30K25P50(9)_8 N30K25P50(9)_9	3.46	3.27	30.00	30.00	5209	5805
N30K25P50(9)_9 N30K25P50(9)_10	3.40	3.45	30.00	30.00	5398 5819	5111 7247
N30K25P50(9)_10 N30K25P50(10)_1	3.49 0.76	$\frac{3.03}{0.65}$	28.00	30.00	3975	5956
N30K25P50(10)_1 N30K25P50(10)_2			28.00			
N30K25P50(10)_2 N30K25P50(10)_3	0.85	$\frac{0.78}{0.53}$	28.00	29.00 30.00	4166 4481	3800
N30K25P50(10)_3 N30K25P50(10)_4	0.94	$\frac{0.53}{0.42}$	28.00	30.00	5026	3800 4348
N30K25P50(10)_4 N30K25P50(10)_5	0.59	0.42 0.74	26.00	29.00	3800	4348
N30K25P50(10)_6	0.90	0.74	30.00	30.00	4076	5541
N30K25P50(10)_7	0.47	$\frac{0.38}{0.77}$	27.00	27.00	5878	5043
N30K25P50(10)_/ N30K25P50(10)_8	0.76	0.60	29.00	29.00	5131	4258
N30K25P50(10)_8 N30K25P50(10)_9	0.34	0.60	30.00	28.00	5933	5744
N30K25P50(10)_10	0.41	0.58	29.00	28.00	3675	6949
N30K25P60(1)_1	2.50	2.16	28.00	29.00	4198	7117
N30K25P60(1)_1	2.53	2.10	30.00	30.00	4198	5204
113011231 00(1)-2	∠.⊍⊍	2.21	50.00	50.00	4001	0204

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K25P60(1)_3	2.47	2.33	29.00	30.00	5179	4933
N30K25P60(1)_4	2.49	2.44	29.00	26.00	4431	4304
N30K25P60(1)_5	2.50	2.36	30.00	29.00	4591	4763
N30K25P60(1)_6	2.49	2.36	29.00	28.00	5452	4105
N30K25P60(1)_7	2.62	2.36	28.00	29.00	5602	5202
N30K25P60(1)_8	2.55	2.33	29.00	28.00	3365	4570
N30K25P60(1)_9	2.68	2.32	27.00	28.00	3669	6780
N30K25P60(1)_10	2.45	2.38	29.00	29.00	4275	4688
N30K25P60(2)_1	1.81	1.74	30.00	27.00	7277	8604
N30K25P60(2)_2	1.77	1.70	30.00	30.00	6880	5761
N30K25P60(2)_3	1.87	2.26	30.00	28.00	7467	5016
N30K25P60(2)_4	1.63	2.14	30.00	26.00	6012	6106
N30K25P60(2)_5	2.16	1.92	30.00	30.00	5931	4870
N30K25P60(2)_6	2.08	2.03	29.00	29.00	5959	4685
N30K25P60(2)_7	1.87	1.82	30.00	29.00	5965	6393
N30K25P60(2)_8	2.05	2.19	29.00	28.00	5357	6913
N30K25P60(2)_9	1.77	1.99	30.00	29.00	8468	5482
N30K25P60(2)_10	2.00	1.79	29.00	30.00	5630	7420
N30K25P60(3)_1	1.53	1.91	30.00	28.00	5168	6421
N30K25P60(3)_2	1.89	1.78	30.00	29.00	5051	6028
N30K25P60(3)_3	1.76	1.86	29.00	28.00	6574	5949
N30K25P60(3)_4	1.70	1.89	29.00	29.00	6739	5187
N30K25P60(3)_5	1.82	1.94	30.00	30.00	4627	6326
N30K25P60(3)_6	2.05	1.97	29.00	28.00	6165	6766
N30K25P60(3)_7	1.84	1.67	29.00	30.00	5516	7419
N30K25P60(3)_8	1.72	2.01	30.00	27.00	4597	6076
N30K25P60(3)_9	1.91	1.78	29.00	30.00	5230	8576
N30K25P60(3)_10	1.60	2.03	30.00	28.00	6047	5647
N30K25P60(4)_1	0.88	0.86	28.00	28.00	6720	6051
N30K25P60(4)_2	0.93	1.03	30.00	28.00	4752	4955
N30K25P60(4)_3	0.78	1.21	30.00	28.00	7894	5106
N30K25P60(4)_4	0.85	0.75	29.00	29.00	8423	8041
N30K25P60(4)_5	0.99	1.00	30.00	29.00	5258	8742
N30K25P60(4)_6	1.02	0.79	28.00	29.00	6946	5824
N30K25P60(4)_7	0.98	0.65	27.00	29.00	7488	7443
N30K25P60(4)_8	1.13	0.98	28.00	29.00	5628	5990
N30K25P60(4)_9	1.18	0.76	26.00	29.00	7558	6231
N30K25P60(4)_10	0.83	1.03	29.00	28.00	6746	5389
N30K25P60(5)_1	2.56	2.71	29.00	29.00	6718	6757
N30K25P60(5)_2	2.60	2.55	30.00	29.00	6139	6171
N30K25P60(5)_3	2.46	2.56	30.00	30.00	7200	5702
N30K25P60(5)_4	2.71	2.50	30.00	30.00	5738	4695
N30K25P60(5)_5	2.71	2.53	29.00	28.00	5876	8154 6724
N30K25P60(5)_6 N30K25P60(5)_7	2.65 2.46	$\frac{2.53}{2.58}$	30.00	30.00 29.00	5855 6777	6724 5076
3 /						
N30K25P60(5)_8	2.57	2.48	29.00	30.00	5652	6801
N30K25P60(5)_9 N30K25P60(5)_10	2.66 2.76	2.54	30.00	30.00	5556	7437 6405
N30K25P60(5)_10 N30K25P60(6)_1	2.76	$\frac{2.45}{2.16}$	29.00	29.00 29.00	$\frac{4864}{7257}$	6405 5687
N30K25P60(6)_1	2.07	1.92	30.00	29.00	4508	7984
N30K25P60(6)_2	1.89	2.08	29.00	29.00	7173	6373
N30K25P60(6)_3	1.99	2.08	30.00	29.00	7779	6007
N30K25P60(6)_4 N30K25P60(6)_5	1.94	2.13	30.00	29.00	5862	6911
N30K25P60(6)_5	2.05	2.04	30.00	30.00	7466	6739
N30K25P60(6)_6	2.03	1.90	29.00	30.00	6897	5826
N30K25P60(6)_7	2.24	1.86	30.00	29.00	6046	6225
N30K25P60(6)_8	1.98	2.11	30.00	29.00	5613	8629
113013231 00(0)_9	1.30	4.11	50.00	49.UU	9019	0049

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K25P60(6)_10	1.88	1.92	30.00	30.00	8278	6211
N30K25P60(7)_1	0.67	0.80	26.00	27.00	4851	4662
N30K25P60(7)_2	0.56	0.89	28.00	27.00	5069	3338
N30K25P60(7)_3	0.52	0.68	28.00	27.00	6187	5398
N30K25P60(7)_4	0.38	0.71	28.00	27.00	4065	4516
N30K25P60(7)_5	0.63	0.67	28.00	26.00	4215	5819
N30K25P60(7)_6	0.51	0.55	27.00	28.00	7515	4751
N30K25P60(7)_7	0.71	0.61	30.00	28.00	4833	6573
N30K25P60(7)_8	0.51	0.50	28.00	30.00	8070	4818
N30K25P60(7)_9	0.61	0.61	28.00	27.00	6163	5105
N30K25P60(7)_10	0.37	0.51	29.00	27.00	6151	4845
N30K25P60(8)_1	2.30	2.28	30.00	30.00	8390	6499
N30K25P60(8)_2	2.45	2.52	29.00	27.00	7242	5621
N30K25P60(8)_3	2.33	2.41	30.00	29.00	5974	8055
N30K25P60(8)_4	2.66	2.68	29.00	29.00	4903	5275
N30K25P60(8)_5	2.39	2.75	30.00	28.00	5876	5811
N30K25P60(8)_6	2.33	2.68	29.00	29.00	6675	5782
N30K25P60(8)_7	2.68	2.73	29.00	30.00	5097	5098
N30K25P60(8)_8	2.55	2.56	29.00	29.00	6402	5747
N30K25P60(8)_9	2.42	2.53	28.00	28.00	6130	7351
N30K25P60(8)_10	2.41	2.54	30.00	29.00	4644	8609
N30K25P60(9)_1	5.34	5.40	30.00	30.00	5796	6266
N30K25P60(9)_2	5.19	5.29	30.00	30.00	6644	8029
N30K25P60(9)_3	5.24	5.45	30.00	30.00	5009	5926
N30K25P60(9)_4	5.22	5.50	30.00	30.00	6717	3396
N30K25P60(9)_5	5.50	5.35	30.00	30.00	5317	7726
N30K25P60(9)_6	5.54	5.38	30.00	30.00	5210	5409
N30K25P60(9)_7 N30K25P60(9)_8	5.38	$\frac{5.61}{5.59}$	30.00	30.00	5001	5178 6608
N30K25P60(9)_8	5.26	$\frac{5.39}{5.24}$	30.00	30.00	4990 5462	5626
N30K25P60(9)_9	5.48	5.19	30.00	30.00	7850	5873
N30K25P60(10)_1	1.52	1.71	30.00	29.00	7268	6065
N30K25P60(10)_2	1.80	1.67	29.00	29.00	6074	8674
N30K25P60(10)_3	1.54	1.71	29.00	29.00	6010	5561
N30K25P60(10)_4	1.57	1.65	30.00	30.00	6725	7320
N30K25P60(10)_5	1.54	1.70	30.00	30.00	6797	8759
N30K25P60(10)_6	1.66	1.81	28.00	29.00	7075	6241
N30K25P60(10)_7	1.67	1.52	30.00	29.00	8422	6561
N30K25P60(10)_8	1.79	1.71	30.00	30.00	7966	4698
N30K25P60(10)_9	1.65	1.72	29.00	29.00	6721	6613
N30K25P60(10)_10	2.17	1.58	27.00	30.00	6420	6077
N30K25P70(1)_1	3.58	3.68	29.00	28.00	4846	5142
N30K25P70(1)_2	3.54	3.81	30.00	27.00	4658	4543
N30K25P70(1)_3	3.49	3.61	30.00	28.00	4166	8032
N30K25P70(1)_4	3.63	3.45	30.00	29.00	4323	4609
N30K25P70(1)_5	3.76	3.63	28.00	28.00	4618	4637
N30K25P70(1)_6	3.50	3.29	28.00	29.00	4886	4201
N30K25P70(1)_7	3.45	3.60	28.00	28.00	5015	4736
N30K25P70(1)_8	3.62	3.30	27.00	29.00	5583	5150
N30K25P70(1)_9	3.37	3.31	29.00	28.00	5266	5702
N30K25P70(1)_10	3.79	3.29	29.00	30.00	4218	5427
N30K25P70(2)_1	3.32	2.94	30.00	30.00	6209	6732
N30K25P70(2)_2	3.42	3.21	29.00	30.00	7339	5328
N30K25P70(2)_3	3.22	3.47	30.00	27.00	6382	6634
N30K25P70(2)_4	3.02	2.87	29.00	30.00	7059	6254
N30K25P70(2)_5	3.33	3.09	29.00	29.00	6247	4888
N30K25P70(2)_6	3.24	3.32	30.00	29.00	5758	7301

T / //D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K25P70(2)_7	3.34	3.30	29.00	29.00	4756	6329
N30K25P70(2)_8	3.02	3.10	30.00	30.00	5968	4780
N30K25P70(2)_9	3.31	3.32	29.00	29.00	5539	5262
N30K25P70(2)_10	3.12	3.18	29.00	29.00	4482	5696
N30K25P70(3)_1	3.61	3.40	29.00	29.00	4382	5739
N30K25P70(3)_2	3.42	3.44	29.00	30.00	6148	7814
N30K25P70(3)_3	3.43	3.45	29.00	29.00	4265	5742
N30K25P70(3)_4	3.81	3.39	29.00	29.00	6207	6425
N30K25P70(3)_5	3.69	3.52	28.00	29.00	4769	5638
N30K25P70(3)_6 N30K25P70(3)_7	3.34	$\frac{3.45}{3.30}$	29.00 29.00	28.00 30.00	5665 6114	7808 5781
N30K25P70(3)_8	3.39	3.22	29.00	30.00	5659	6642
N30K25P70(3)_9	3.22	3.43	28.00	29.00	6998	5598
N30K25P70(3)_10	3.56	3.20	30.00	30.00	4649	7336
N30K25P70(4)_1	2.36	2.15	30.00	29.00	5239	5308
N30K25P70(4)_2	2.22	2.08	28.00	30.00	4161	5690
N30K25P70(4)_3	2.12	2.11	29.00	29.00	4622	4902
N30K25P70(4)_4	2.32	2.46	28.00	29.00	4380	5357
N30K25P70(4)_5	2.25	2.07	29.00	28.00	6370	5104
N30K25P70(4)_6	2.12	2.05	30.00	29.00	5757	4901
N30K25P70(4)_7	2.06	2.21	30.00	28.00	6514	6736
N30K25P70(4)_8	2.22	2.20	29.00	28.00	6107	5389
N30K25P70(4)_9	2.15	2.09	29.00	29.00	4507	5741
N30K25P70(4)_10	1.96	2.14	30.00	29.00	4907	4682
N30K25P70(5)_1	4.12	4.09	28.00	29.00	5847	6043
N30K25P70(5)_2	4.04	4.05	29.00	29.00	8443	6171
N30K25P70(5)_3 N30K25P70(5)_4	4.06	3.94 4.20	30.00	30.00	6696 6088	7579 7715
N30K25P70(5)_5	3.98	4.00	30.00	30.00	5411	6148
N30K25P70(5)_6	4.04	4.07	30.00	29.00	4672	7886
N30K25P70(5)_7	3.98	3.78	29.00	30.00	6052	6979
N30K25P70(5)_8	4.03	3.96	29.00	29.00	4720	6659
N30K25P70(5)_9	4.12	4.04	29.00	29.00	6594	6527
N30K25P70(5)_10	3.81	3.87	30.00	30.00	7141	6065
N30K25P70(6)_1	3.63	3.58	29.00	29.00	6895	7807
N30K25P70(6)_2	3.57	3.48	28.00	28.00	5198	5758
N30K25P70(6)_3	3.78	3.56	28.00	30.00	6841	8306
N30K25P70(6)_4	3.67	3.59	30.00	29.00	6773	8342
N30K25P70(6)_5	3.73	3.70	30.00	29.00	6627	6931
N30K25P70(6)_6	3.60	3.63	30.00	29.00	5676	7182
N30K25P70(6)_7	3.78	3.65	30.00	30.00	8538	6608
N30K25P70(6)_8	3.70	3.53	29.00	29.00	5984	7559
N30K25P70(6)_9 N30K25P70(6)_10	3.67	$\frac{3.55}{3.57}$	30.00	30.00	4985 8604	6070 5307
N30K25P70(7)_1	3.75 1.35	$\frac{3.57}{1.52}$	28.00	26.00	4576	4456
N30K25P70(7)_2	1.33	1.52	27.00	30.00	4969	4039
N30K25P70(7)_3	1.42	1.53	28.00	28.00	4868	4762
N30K25P70(7)_4	1.31	1.22	28.00	28.00	5798	6145
N30K25P70(7)_5	1.22	1.30	30.00	29.00	5732	4908
N30K25P70(7)_6	1.35	1.56	29.00	27.00	5026	5922
N30K25P70(7)_7	1.27	1.34	28.00	27.00	5955	4882
N30K25P70(7)_8	1.43	1.34	28.00	29.00	5217	5931
N30K25P70(7)_9	1.49	1.47	27.00	26.00	4770	5667
N30K25P70(7)_10	1.33	1.47	30.00	27.00	5750	5895
N30K25P70(8)_1	4.13	3.80	28.00	29.00	4904	7648
N30K25P70(8)_2	3.58	3.86	30.00	30.00	7295	6859
N30K25P70(8)_3	4.03	3.91	29.00	30.00	5626	6219

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K25P70(8)_4	4.00	3.88	30.00	29.00	5758	5713
N30K25P70(8)_5	3.98	3.76	30.00	30.00	6085	7921
N30K25P70(8)_6	4.00	3.90	29.00	30.00	6514	5873
N30K25P70(8)_7	3.91	3.96	30.00	29.00	8178	5510
N30K25P70(8)_8	4.05	3.81	30.00	29.00	4726	7049
N30K25P70(8)_9	3.98	3.87	28.00	29.00	5756	5807
N30K25P70(8)_10	3.73	3.96	29.00	28.00	5978	8371
N30K25P70(9)_1	7.58	7.61	30.00	30.00	7656	5853
N30K25P70(9)_2	7.44	7.48	30.00	30.00	7258	5739
N30K25P70(9)_3	7.43	7.55	30.00	30.00	6875	5181
N30K25P70(9)_4	7.70	7.44	30.00	30.00	4379	6965
N30K25P70(9)_5	7.51	7.60	30.00	30.00	6083	6720
N30K25P70(9)_6	7.50	7.87	30.00	30.00	4866	5350
N30K25P70(9)_7	7.34	7.30	30.00	30.00	4638	7793
N30K25P70(9)_8	7.39	7.68	30.00	30.00	4899	5002
N30K25P70(9)_9	7.58	7.51	30.00	30.00	4042	5615
N30K25P70(9)_10	7.47	7.69	30.00	30.00	5660	7888
N30K25P70(10)_1	3.36	3.21	29.00	30.00	6068	5977
N30K25P70(10)_2	3.39	3.40	29.00	29.00	7062	8765
N30K25P70(10)_3	3.34	3.37	30.00	30.00	6199	7595
N30K25P70(10)_4	3.35	3.21	28.00	30.00	7003	6368
N30K25P70(10)_5	3.43	3.43	30.00	28.00	6223	6200
N30K25P70(10)_6	3.27	3.50	30.00	28.00	5150	7032
N30K25P70(10)_7	3.48	3.36	29.00	29.00	7978	7982
N30K25P70(10)_8	3.65	3.29	28.00	30.00	6914	7878
N30K25P70(10)_9	3.25	3.43	30.00	30.00	5640	5913
N30K25P70(10)_10	3.20	3.47	30.00	29.00	8486	5869
N30K25P80(1)_1	4.53	4.20	28.00	29.00	3524	4574
N30K25P80(1)_2	4.51	4.52	28.00	28.00	4528	5169
N30K25P80(1)_3	4.72	4.20	28.00	28.00	4484	4282
N30K25P80(1)_4	4.51	4.57	29.00	29.00	5276	4022
N30K25P80(1)_5	4.65	4.33	26.00	29.00	4888	4701
N30K25P80(1)_6	4.72	4.19	27.00	30.00	4254	3988
N30K25P80(1)_7	4.71	4.73	28.00	27.00	4390	3288
N30K25P80(1)_8	4.68	4.53	28.00	29.00	4170	3624
N30K25P80(1)_9	4.73	4.51	28.00	29.00	4326	4149
N30K25P80(1)_10	4.63	4.20	28.00	30.00	4852	4541
N30K25P80(2)_1	4.19	4.32	29.00	30.00	7063	4347
N30K25P80(2)_2	4.38	4.34	29.00	28.00	5338	3999
N30K25P80(2)_3	4.17	4.21	29.00	29.00	5983	5638
N30K25P80(2)_4 N30K25P80(2)_5	4.45	4.52	29.00 30.00	30.00 29.00	5020 5723	$\frac{4449}{5377}$
N30K25P80(2)_5 N30K25P80(2)_6	4.57	$\frac{4.17}{4.29}$	27.00	30.00	4851	3748
N30K25P80(2)_7	4.02	4.60	30.00	30.00	6233	4574
N30K25P80(2)_8	4.02	4.28	29.00	28.00	4627	6978
N30K25P80(2)_9	4.43	4.28	29.00	30.00	4329	4164
N30K25P80(2)_9	4.45	4.42	29.00	29.00	4670	5099
N30K25P80(2)_10	4.55	4.42	28.00	29.00	5413	6362
N30K25P80(3)_1	4.19	$\frac{4.92}{4.53}$	28.00	30.00	6398	5564
N30K25P80(3)_2	4.49	4.83	29.00	28.00	7009	5920
N30K25P80(3)_4	4.73	4.78	28.00	30.00	7521	6822
N30K25P80(3)_5	4.72	4.47	29.00	27.00	4743	8048
N30K25P80(3)_6	4.46	4.95	29.00	29.00	6913	6771
N30K25P80(3)_7	4.63	4.72	27.00	28.00	4882	4574
N30K25P80(3)_8	5.04	4.61	28.00	29.00	4669	5606
N30K25P80(3)_9	4.46	5.02	29.00	29.00	6410	5806
N30K25P80(3)_9	4.40	$\frac{3.02}{4.57}$	29.00	30.00	7653	7755
113011231 00(3)_10	4.01	4.01	20.00	50.00	1000	1100

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K25P80(4)_1	3.06	3.28	28.00	30.00	8220	4347
N30K25P80(4)_2	3.30	3.43	30.00	27.00	5171	4792
N30K25P80(4)_3	3.20	3.18	28.00	29.00	5708	3940
N30K25P80(4)_4	3.24	3.38	29.00	27.00	4248	3629
N30K25P80(4)_5	3.45	3.09	28.00	29.00	6525	6757
N30K25P80(4)_6	3.39	3.26	27.00	29.00	5610	4568
N30K25P80(4)_7	3.01	3.03	29.00	29.00	6684	5029
N30K25P80(4)_8	3.19	3.08	27.00	29.00	5253	6011
N30K25P80(4)_9	3.39	3.13	29.00	30.00	5770	4338
N30K25P80(4)_10	3.15	3.01	29.00	30.00	6854	6527
N30K25P80(5) ₋ 1	5.24	5.04	28.00	30.00	6322	8734
N30K25P80(5)_2	5.51	5.22	30.00	30.00	5929	8489
N30K25P80(5)_3	5.13	5.40	29.00	29.00	6623	6998
N30K25P80(5)_4	5.11	5.21	30.00	29.00	8355	7533
N30K25P80(5)_5	5.24	5.17	28.00	29.00	5655	6262
N30K25P80(5)_6	5.22	5.48	29.00	30.00	6824	6157
N30K25P80(5)_7	5.31	5.43	29.00	30.00	5160	5851
N30K25P80(5)_8	5.24	5.08	29.00	30.00	8309	8739
N30K25P80(5)_9	5.43	5.23	29.00	29.00	4488	5435
N30K25P80(5)_10	5.35	5.29	30.00	29.00	7430	5986
N30K25P80(6)_1	4.86	5.20	30.00	30.00	5680	6240
N30K25P80(6)_2	5.01	4.73	27.00	28.00	7423	6461
N30K25P80(6)_3	4.80	4.98	29.00	30.00	8531	6415
N30K25P80(6)_4	4.97	4.91	30.00	30.00	5397	7225
N30K25P80(6)_5	4.84	4.84	30.00	28.00	8328	8789
N30K25P80(6)_6	4.83	4.90	29.00	29.00	6957	8898
N30K25P80(6)_7	5.15	5.01	28.00	30.00	5131	6583
N30K25P80(6)_8	4.85	4.94	29.00	28.00	6783	6189
N30K25P80(6)_9	4.76	5.09	29.00	28.00	6051	7891
N30K25P80(6)_10	4.99	5.10	29.00	30.00 27.00	7455	6770
N30K25P80(7)_1	2.35	2.02	28.00		3594	5738
N30K25P80(7)_2 N30K25P80(7)_3	2.33	2.15		30.00	4134	6117
		$\frac{2.19}{2.22}$	30.00	27.00	5937	5506
N30K25P80(7)_4 N30K25P80(7)_5	1.90 2.41	$\frac{2.22}{2.25}$	29.00 29.00	27.00 27.00	4991 3262	5903 4005
N30K25P80(7)_6	$\frac{2.41}{2.55}$	2.29	30.00	26.00	4346	4236
N30K25P80(7)_7	2.33	2.29	28.00	28.00	6174	5181
N30K25P80(7)_8	2.23	2.20	27.00	27.00	5301	5090
N30K25P80(7)_9	2.23	$\frac{2.20}{2.21}$	29.00	29.00	5351	4510
N30K25P80(7)_10	2.38	$\frac{2.21}{2.47}$	26.00	28.00	3737	4965
N30K25P80(8)_1	5.20	5.47	29.00	27.00	5958	5724
N30K25P80(8)_2	5.71	5.35	27.00	28.00	6433	5765
N30K25P80(8)_3	5.47	5.70	28.00	27.00	6115	4553
N30K25P80(8)_4	5.21	5.13	29.00	30.00	6353	6659
N30K25P80(8)_5	5.22	5.51	29.00	27.00	5961	5737
N30K25P80(8)_6	5.27	5.26	30.00	30.00	5164	6673
N30K25P80(8)_7	5.25	5.34	30.00	30.00	6859	6598
N30K25P80(8)_8	5.27	5.18	27.00	28.00	5060	6060
N30K25P80(8)_9	5.29	5.20	29.00	28.00	4811	5660
N30K25P80(8)_10	5.58	5.11	29.00	30.00	6965	8703
N30K25P80(9)_1	9.45	9.57	30.00	30.00	7483	6956
N30K25P80(9)_2	9.43	9.39	30.00	30.00	5767	4870
N30K25P80(9)_3	9.61	9.84	30.00	30.00	4317	5189
N30K25P80(9)_4	9.55	9.50	30.00	30.00	7754	5433
N30K25P80(9)_5	9.56	9.45	30.00	30.00	6859	6611
N30K25P80(9)_6	9.53	9.46	30.00	30.00	7700	7796
N30K25P80(9)_7	9.55	9.37	30.00	30.00	6114	6686

Total loss value		Number	of active MDs	Time (ms)		
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N30K25P80(9)_8	9.58	9.51	30.00	30.00	6175	6992
N30K25P80(9)_9	9.43	9.68	30.00	30.00	4487	6029
N30K25P80(9)_10	9.80	9.75	30.00	30.00	5156	5480
N30K25P80(10)_1	4.88	4.75	30.00	30.00	6493	7213
N30K25P80(10)_2	4.59	4.70	29.00	30.00	8409	$\frac{7213}{7508}$
N30K25P80(10)_3	4.84		29.00	28.00		8274
. ,		4.67		29.00	5178	
N30K25P80(10)_4	5.00	4.76	28.00		5335	8638
N30K25P80(10)_5	4.71	5.08	30.00	29.00	5978	5764
N30K25P80(10)_6	4.74	4.82	30.00	30.00	8510	8206
N30K25P80(10)_7	4.55	4.81	30.00	28.00	8348	7985
N30K25P80(10)_8	4.91	4.95	29.00	28.00	5239	5530
N30K25P80(10)_9	4.72	4.74	29.00	30.00	6936	7877
N30K25P80(10)_10	5.08	4.76	30.00	30.00	4865	5891
N200K60P50(1)_1	0.50	0.00	187.00	60.00	13760	48
N200K60P50(1)_2	1.00	0.00	184.00	60.00	14613	48
N200K60P50(1)_3	0.00	0.00	190.00	60.00	9200	48
N200K60P50(1)_4	0.50	0.00	184.00	60.00	13272	47
N200K60P50(1)_5	0.50	0.00	174.00	60.00	14600	47
N200K60P50(1)_6	0.50	0.00	168.00	60.00	12815	48
N200K60P50(1)_7	0.50	0.00	175.00	60.00	13945	48
N200K60P50(1)_8	1.00	0.00	182.00	60.00	14526	48
N200K60P50(1)_9	0.00	0.00	181.00	60.00	15453	47
N200K60P50(1)_10	0.50	0.00	175.00	60.00	14109	48
N200K60P50(2)_1	1.00	0.00	184.00	60.00	12160	47
N200K60P50(2)_2	1.50	0.00	180.00	60.00	13729	47
N200K60P50(2)_3	0.00	0.00	179.00	60.00	9181	49
N200K60P50(2)_4	0.50	0.00	189.00	60.00	15896	47
N200K60P50(2)_5	0.50	0.00	182.00	60.00	14472	47
N200K60P50(2)_6	0.00	0.00	182.00	60.00	15698	47
N200K60P50(2)_7	0.50	0.00	190.00	60.00	11193	47
N200K60P50(2)_8	0.50	0.00	182.00	60.00	16794	48
N200K60P50(2)_9	1.50	0.00	184.00	60.00	11765	47
N200K60P50(2)_10	0.00	0.00	182.00	60.00	14496	47
N200K60P50(3)_1	0.00	0.00	183.00	60.00	11000	46
N200K60P50(3)_2	1.00	0.00	174.00	60.00	13799	47
N200K60P50(3)_3	1.00	0.00	166.00	60.00	12625	46
N200K60P50(3)_4	0.50	0.00	190.00	60.00	11903	$\frac{40}{47}$
N200K60P50(3)_5	0.50	0.00	179.00	60.00	16115	$\frac{47}{47}$
N200K60P50(3)_6	0.00	0.00	176.00	60.00	10048	$\frac{47}{47}$
N200K60P50(3)_7	0.50	0.00	176.00	60.00	15389	47
N200K60P50(3)_8	0.00	0.00	177.00	60.00	12495	47
N200K60P50(3)_9	0.50	0.00	190.00	60.00	14713	45
N200K60P50(3)_10	1.00	0.00	188.00	60.00	14713	46
N200K60P50(3)_10 N200K60P50(4)_1			187.00	60.00		
` '	0.50	0.00			16722	45
N200K60P50(4)_2	1.50	0.00	184.00	60.00	13004	46
N200K60P50(4)_3	1.00	0.00	197.00	60.00	11414	46
N200K60P50(4)_4	0.50	0.00	175.00	60.00	19413	45
N200K60P50(4)_5	1.50	0.00	179.00	60.00	14862	46
N200K60P50(4)_6	1.00	0.00	173.00	60.00	16869	45
N200K60P50(4)_7	0.00	0.00	180.00	60.00	19285	46
N200K60P50(4)_8	1.00	0.00	196.00	60.00	13275	46
N200K60P50(4)_9	1.00	0.00	159.00	60.00	15210	46
N200K60P50(4)_10	0.50	0.00	174.00	60.00	16738	46
N200K60P50(5)_1	0.00	0.00	189.00	60.00	10038	50
N200K60P50(5)_2	1.00	0.00	188.00	60.00	16337	50
N200K60P50(5)_3	0.50	0.00	179.00	60.00	18125	48
N200K60P50(5)_4	0.50	0.00	177.00	60.00	20147	53

	Total lo	ss value	Number o	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K60P50(5)_5	1.50	0.00	176.00	60.00	11749	50
N200K60P50(5)_6	0.00	0.00	171.00	60.00	13068	49
N200K60P50(5)_7	0.50	0.00	179.00	60.00	12918	48
N200K60P50(5)_8	0.00	0.00	188.00	60.00	7129	47
N200K60P50(5)_9	0.50	0.00	183.00	60.00	11658	47
N200K60P50(5)_10	0.00	0.00	176.00	60.00	8071	47
N200K60P50(6)_1	0.50	0.00	182.00	60.00	21400	46
N200K60P50(6)_2	0.50	0.00	176.00	60.00	20732	47
N200K60P50(6)_3	0.50	0.00	176.00	60.00	14430	46
N200K60P50(6)_4	1.00	0.00	181.00	60.00	18687	46
N200K60P50(6)_5	1.00	0.00	167.00	60.00	19885	46
N200K60P50(6)_6	1.50	0.00	182.00	60.00	14078	46
N200K60P50(6)_7	0.50	0.00	178.00	60.00	13223	46
N200K60P50(6)_8	2.00	0.00	170.00	60.00	14972	46
N200K60P50(6)_9	1.00	0.00	197.00	60.00	13247	45
N200K60P50(6) ₋ 10	1.00	0.00	180.00	60.00	13920	47
N200K60P50(7)_1	1.50	0.00	179.00	60.00	14445	41
N200K60P50(7)_2	1.50	0.00	187.00	60.00	14181	41
N200K60P50(7)_3	0.50	0.00	156.00	60.00	20498	41
N200K60P50(7)_4	1.00	0.00	180.00	60.00	24083	42
N200K60P50(7)_5	1.50	0.00	168.00	60.00	15162	41
N200K60P50(7)_6	1.00	0.00	192.00	60.00	19701	41
N200K60P50(7)_7	1.50	0.00	191.00	60.00	9895	42
N200K60P50(7)_8	1.00	0.00	176.00	60.00	19523	42
N200K60P50(7)_9	1.00	0.00	182.00	60.00	21834	41
N200K60P50(7)_10	0.50	0.00	188.00	60.00	17347	41
N200K60P50(8)_1	0.00	0.00	183.00	60.00	10898	51
N200K60P50(8)_2	0.50	0.00	171.00	60.00	18090	51
N200K60P50(8)_3	0.50	0.00	171.00	60.00	14234	51
N200K60P50(8)_4	0.50	0.00	183.00	60.00	12874	51
N200K60P50(8)_5	0.00	0.00	178.00	60.00	15884	51
N200K60P50(8)_6	0.50	0.00	177.00	60.00	18510	51
N200K60P50(8)_7	0.00	0.00	194.00	60.00	7862	52
N200K60P50(8)_8	0.50	0.00	183.00	60.00	10803	50
N200K60P50(8)_9	0.50	0.00	170.00	60.00	21869	50
N200K60P50(8)_10	0.00	0.00	180.00	60.00	7532	51
N200K60P50(9)_1	1.50	0.00	175.00	60.00	11537	46
N200K60P50(9)_2	0.50	0.00	193.00	60.00	15102	47
N200K60P50(9)_3	1.50	0.00	174.00	60.00	18745	46
N200K60P50(9)_4	0.00	0.00	172.00	60.00	13861	46
N200K60P50(9)_5	0.00	0.00	180.00	60.00	10067	46
N200K60P50(9)_6	0.00	0.00	184.00	60.00	10804	46
N200K60P50(9)_7	0.50	0.00	169.00	60.00	12073	48
N200K60P50(9)_8	0.00	0.00	181.00	60.00	7788	47
N200K60P50(9)_9	0.00	0.00	188.00	60.00	10473	46
N200K60P50(9)_10	0.50	0.00	181.00	60.00	15634	46
N200K60P50(10)_1	1.00	0.00	172.00	60.00	15797	48
N200K60P50(10)_2	0.00	0.00	178.00	60.00	10183	48
N200K60P50(10)_3	0.00	0.00	168.00	60.00	10596	48
N200K60P50(10)_4	1.50	0.00	184.00	60.00	14803	48
N200K60P50(10)_5	0.50	0.00	182.00	60.00	21052	48
N200K60P50(10)_6	1.50	0.00	189.00	60.00	14597	49
N200K60P50(10)_7	3.00	0.00	171.00	60.00	10163	49
N200K60P50(10)_8	0.50	0.00	178.00	60.00	15289	48
N200K60P50(10)_9	0.00	0.00	177.00	60.00	7357	47
N200K60P50(10)_10 N200K60P60(1)_1	0.00	0.00	183.00	60.00	12762	47
1N2UUKUUPUU(1)_1	1.20	0.00	183.00	60.00	12762	47

In the second #Door	Total lo	ss value	Number o	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K60P60(1)_2	1.80	0.00	185.00	60.00	12083	48
N200K60P60(1)_3	0.00	0.00	180.00	60.00	13052	47
N200K60P60(1)_4	1.20	0.00	190.00	60.00	12485	48
N200K60P60(1)_5	0.60	0.00	185.00	60.00	14489	48
N200K60P60(1)_6	1.20	0.00	182.00	60.00	13717	47
N200K60P60(1)_7	0.00	0.00	192.00	60.00	5342	46
N200K60P60(1)_8	0.00	0.00	179.00	60.00	12863	47
N200K60P60(1)_9	1.20	0.00	179.00	60.00	11874	48
N200K60P60(1)_10	0.00	0.00	193.00	60.00	13260	47
N200K60P60(2)_1	0.60	0.00	159.00	60.00	13119	47
N200K60P60(2)_2	1.80	0.00	169.00	60.00	13593	46
N200K60P60(2)_3	1.20	0.00	175.00	60.00	12905	47
N200K60P60(2)_4	0.60	0.00	175.00	60.00	13609	48
N200K60P60(2)_5	0.00	0.00	180.00	60.00	7754	47
N200K60P60(2)_6	0.60	0.00	178.00	60.00	15234	46
N200K60P60(2)_7	0.60	0.00	181.00	60.00	10357	46
N200K60P60(2)_8	0.60	0.00	164.00	60.00	17247	47
N200K60P60(2)_9	0.00	0.00	179.00	60.00	7536	47
N200K60P60(2)_10	0.60	0.00	186.00	60.00	14145	47
N200K60P60(3)_1	0.60	0.00	166.00	60.00	17563	46
N200K60P60(3)_2	0.60	0.00	169.00	60.00	12317	48
N200K60P60(3)_3	0.00	0.00	188.00	60.00	10658	46
N200K60P60(3)_4	2.40	0.00	184.00	60.00	12324	46
N200K60P60(3)_5	0.00	0.00	184.00	60.00	11028	46
N200K60P60(3)_6	0.00	0.00	164.00	60.00	9835	46
N200K60P60(3)_7	1.80	0.00	196.00	60.00	10346	47
N200K60P60(3)_8	1.20	0.00	190.00	60.00	11750	45
N200K60P60(3)_9	1.20	0.00	171.00	60.00	15003	46
N200K60P60(3)_10	1.20	0.00	182.00	60.00	11152	46
N200K60P60(4)_1	0.60	0.00	173.00 182.00	60.00	12811	45
N200K60P60(4)_2	1.80	0.00 0.00		60.00	11436	45
N200K60P60(4)_3 N200K60P60(4)_4			173.00	60.00	13389 10469	46
. ,	0.00	0.00	188.00			45
N200K60P60(4)_5 N200K60P60(4)_6	1.20	0.00	173.00 173.00	60.00	11195 21366	45 45
N200K60P60(4)_7	0.60	0.00	185.00	60.00	15213	46
N200K60P60(4)_/ N200K60P60(4)_8	0.60	0.00	184.00	60.00	13213	44
N200K60P60(4)_9	0.60	0.00	191.00	60.00	22108	$\frac{44}{45}$
N200K60P60(4)_10	0.60	0.00	185.00	60.00	18413	$\frac{45}{45}$
N200K60P60(5)_1	0.00	0.00	189.00	60.00	7398	47
N200K60P60(5)_2	0.00	0.00	181.00	60.00	14274	48
N200K60P60(5)_3	0.00	0.00	193.00	60.00	8300	46
N200K60P60(5)_4	1.20	0.00	184.00	60.00	11991	47
N200K60P60(5)_5	0.60	0.00	180.00	60.00	17363	46
N200K60P60(5)_6	0.00	0.00	180.00	60.00	8156	46
N200K60P60(5)_7	0.00	0.00	176.00	60.00	12113	47
N200K60P60(5)_8	0.60	0.00	191.00	60.00	12101	46
N200K60P60(5)_9	0.00	0.00	172.00	60.00	11688	47
N200K60P60(5)_10	0.60	0.00	166.00	60.00	18842	47
N200K60P60(6)_1	0.60	0.00	170.00	60.00	20327	46
N200K60P60(6)_2	0.00	0.00	173.00	60.00	12699	46
N200K60P60(6)_3	0.00	0.00	187.00	60.00	6938	46
N200K60P60(6)_4	0.60	0.00	187.00	60.00	13767	45
N200K60P60(6)_5	1.20	0.00	176.00	60.00	16736	47
N200K60P60(6)_6	1.20	0.00	188.00	60.00	12225	46
N200K60P60(6)_7	0.60	0.00	170.00	60.00	13968	46
N200K60P60(6)_8	0.00	0.00	177.00	60.00	10328	46

T	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K60P60(6)_9	0.00	0.00	177.00	60.00	10939	45
N200K60P60(6)_10	0.60	0.00	192.00	60.00	16048	47
N200K60P60(7)_1	1.80	0.00	184.00	60.00	15133	41
N200K60P60(7)_2	2.40	0.00	167.00	60.00	11491	42
N200K60P60(7)_3	1.20	0.00	159.00	60.00	18611	41
N200K60P60(7)_4	0.60	0.00	180.00	60.00	21318	42
N200K60P60(7)_5	0.60	0.00	171.00	60.00	15623	41
N200K60P60(7)_6	0.60	0.00	187.00	60.00	14426	41
N200K60P60(7)_7	0.00	0.00	178.00	60.00	14585	42
N200K60P60(7)_8 N200K60P60(7)_9	1.80 0.60	0.00	194.00 185.00	60.00	18334 16337	41 42
N200K60P60(7)_10	1.80	0.00	172.00	60.00	15772	42
N200K60P60(8)_1	0.60	0.00	177.00	60.00	14199	50
N200K60P60(8)_2	0.60	0.00	190.00	60.00	12547	51
N200K60P60(8)_3	0.60	0.00	176.00	60.00	11929	50
N200K60P60(8)_4	0.00	0.00	187.00	60.00	10596	51
N200K60P60(8)_5	0.00	0.00	190.00	60.00	12421	51
N200K60P60(8)_6	0.60	0.00	186.00	60.00	12904	51
N200K60P60(8)_7	0.60	0.00	190.00	60.00	11940	51
N200K60P60(8)_8	0.60	0.00	185.00	60.00	11328	50
N200K60P60(8)_9	0.00	0.00	185.00	60.00	8649	50
N200K60P60(8)_10	0.60	0.00	183.00	60.00	14106	51
N200K60P60(9)_1	0.60	0.00	197.00	60.00	11716	47
N200K60P60(9)_2	0.00	0.00	182.00	60.00	9436	45
N200K60P60(9)_3	1.20	0.00	186.00	60.00	16838	45
N200K60P60(9)_4	1.20	0.00	170.00	60.00	11541	46
N200K60P60(9)_5	1.20	0.00	190.00	60.00	13313	45
N200K60P60(9)_6	2.40	0.00	175.00	60.00	10611	46
N200K60P60(9)_7	0.00	0.00	188.00	60.00	11859	46
N200K60P60(9)_8	0.60	0.00	183.00	60.00	15630	47
N200K60P60(9)_9	2.40	0.00	166.00	60.00	12470	46
N200K60P60(9)_10	0.60	0.00	173.00	60.00	16276	46
N200K60P60(10)_1	1.20	0.00	193.00	60.00	10664	49
N200K60P60(10)_2	0.00	0.00	191.00	60.00	7477	47
N200K60P60(10)_3	0.00	0.00	171.00	60.00	14384	48
N200K60P60(10)_4 N200K60P60(10)_5	0.00	0.00	179.00	60.00	9759	49
N200K60P60(10)_5 N200K60P60(10)_6	0.60	0.00	186.00	60.00	16625	48
N200K60P60(10)_7	1.20	0.00	184.00 192.00	60.00	11033 11514	48 47
N200K60P60(10)_8	0.00	0.00	192.00	60.00	8036	47
N200K60P60(10)_9	0.00	0.00	189.00	60.00	10163	47
N200K60P60(10)_10	0.00	0.00	177.00	60.00	9545	47
N200K60P70(1)_1	0.70	0.00	187.00	60.00	14731	46
N200K60P70(1)_2	0.00	0.00	187.00	60.00	11343	47
N200K60P70(1)_3	0.00	0.00	188.00	60.00	7786	47
N200K60P70(1)_4	1.40	0.00	179.00	60.00	12153	48
N200K60P70(1)_5	0.00	0.00	187.00	60.00	9060	48
N200K60P70(1)_6	0.00	0.00	177.00	60.00	12131	46
N200K60P70(1)_7	0.70	0.00	187.00	60.00	13963	47
N200K60P70(1)_8	0.00	0.00	186.00	60.00	8485	48
N200K60P70(1)_9	0.00	0.00	188.00	60.00	13805	49
N200K60P70(1)_10	0.70	0.00	179.00	60.00	14561	47
N200K60P70(2)_1	0.00	0.00	169.00	60.00	12093	47
N200K60P70(2)_2	0.00	0.00	178.00	60.00	10878	47
N200K60P70(2)_3	1.40	0.00	182.00	60.00	16993	46
N200K60P70(2)_4	2.80	0.00	165.00	60.00	13364	48
N200K60P70(2)_5	0.70	0.00	183.00	60.00	15433	47

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K60P70(2)_6	1.40	0.00	180.00	60.00	14302	47
N200K60P70(2)_7	0.70	0.00	182.00	60.00	15792	48
N200K60P70(2)_8	0.00	0.00	182.00	60.00	11496	48
N200K60P70(2)_9	0.00	0.00	176.00	60.00	9423	46
N200K60P70(2)_10	2.10	0.00	181.00	60.00	11235	46
N200K60P70(3)_1	1.40	0.00	194.00	60.00	10157	47
N200K60P70(3)_2	0.70	0.00	193.00	60.00	11845	46
N200K60P70(3)_3	0.00	0.00	179.00	60.00	10309	46
N200K60P70(3)_4	0.70	0.00	180.00	60.00	15940	47
N200K60P70(3)_5	0.00	0.00	175.00	60.00	10279	47
N200K60P70(3)_6	1.40	0.00	178.00	60.00	17808	47
N200K60P70(3)_7	0.70	0.00	184.00	60.00	20405	46
N200K60P70(3)_8	1.40	0.00	181.00	60.00	12344	46
N200K60P70(3)_9	0.70	0.00	189.00	60.00	12341	46
N200K60P70(3) ₋ 10	0.00	0.00	179.00	60.00	8024	45
N200K60P70(4)_1	0.70	0.00	175.00	60.00	17685	46
N200K60P70(4)_2	0.70	0.00	184.00	60.00	12980	45
N200K60P70(4)_3	0.70	0.00	178.00	60.00	17266	46
N200K60P70(4)_4	0.70	0.00	179.00	60.00	13007	45
N200K60P70(4)_5	0.70	0.00	185.00	60.00	12613	45
N200K60P70(4)_6	0.00	0.00	186.00	60.00	6427	45
N200K60P70(4)_7	0.70	0.00	173.00	60.00	11880	45
N200K60P70(4)_8	0.00	0.00	193.00	60.00	10977	46
N200K60P70(4)_9	0.00	0.00	193.00	60.00	13287	45
N200K60P70(4)_10	1.40	0.00	172.00	60.00	12680	45
N200K60P70(5)_1	0.00	0.00	183.00	60.00	13462	47
N200K60P70(5)_2	0.70	0.00	177.00	60.00	16948	47
N200K60P70(5)_3	0.00	0.00	178.00	60.00	10119	47
N200K60P70(5)_4	0.00	0.00	179.00	60.00	12195	47
N200K60P70(5)_5	0.70	0.00	154.00	60.00	14486	46
N200K60P70(5)_6	0.70	0.00	169.00	60.00	21300	46
N200K60P70(5)_7	0.00	0.00	189.00	60.00	13900	47
N200K60P70(5)_8	0.70	0.00	178.00	60.00	15296	47
N200K60P70(5)_9	0.00	0.00	184.00	60.00	13118	47
N200K60P70(5)_10	0.00	0.00	164.00	60.00	16613	46
N200K60P70(6)_1	0.70	0.00	187.00	60.00	12574	46
N200K60P70(6)_2	1.40	0.00	186.00	60.00	15660	48
N200K60P70(6)_3	2.10	0.00	195.00	60.00	14136	46
N200K60P70(6)_4	0.70	0.00	188.00	60.00	12334	45
N200K60P70(6)_5	0.70	0.00	188.00	60.00	19103	46
N200K60P70(6)_6 N200K60P70(6)_7	1.40	0.00	178.00	60.00	16151 15896	46
N200K60P70(6)_7 N200K60P70(6)_8	0.70	0.00	173.00 177.00	60.00		$\frac{46}{45}$
N200K60P70(6)_9	0.70 2.10	0.00	174.00	60.00	16044 12785	48
N200K60P70(6)_10	0.70	0.00	187.00	60.00	11017	46
N200K60P70(7)_1	1.40	0.00	193.00	60.00	13802	40
N200K60P70(7)_2	2.80	0.00	193.00	60.00	13174	42
N200K60P70(7)_3	0.00	0.00	173.00	60.00	12876	41
N200K60P70(7)_3	0.00	0.00	181.00	60.00	21475	41
N200K60P70(7)_4 N200K60P70(7)_5	0.70	0.00	189.00	60.00	15656	41
N200K60P70(7)_6	1.40	0.00	182.00	60.00	12737	40
N200K60P70(7)_7	2.80	0.00	184.00	60.00	13282	40
N200K60P70(7)_8	2.10	0.00	187.00	60.00	13785	41
N200K60P70(7)_9	2.10	0.00	182.00	60.00	11838	41
N200K60P70(7)_10	0.00	0.00	192.00	60.00	10924	41
N200K60P70(8)_1	0.00	0.00	193.00	60.00	7022	51
N200K60P70(8)_2	0.00	0.00	179.00	60.00	11129	50
1120011001 /0(0)-2	1 0.00	0.00	110.00	50.00	11143	- 50

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K60P70(8)_3	0.00	0.00	169.00	60.00	12595	51
N200K60P70(8)_4	0.00	0.00	191.00	60.00	16080	51
N200K60P70(8)_5	0.00	0.00	174.00	60.00	13435	50
N200K60P70(8)_6	0.00	0.00	182.00	60.00	7099	50
N200K60P70(8)_7	0.00	0.00	184.00	60.00	13326	51
N200K60P70(8)_8	0.00	0.00	174.00	60.00	11172	51
N200K60P70(8)_9	0.00	0.00	171.00	60.00	13099	51
N200K60P70(8)_10	0.70	0.00	172.00	60.00	11998	50
N200K60P70(9)_1	0.70	0.00	190.00	60.00	20718	47
N200K60P70(9)_2	0.00	0.00	188.00	60.00	8660	46
N200K60P70(9)_3	0.70	0.00	168.00	60.00	12328	45
N200K60P70(9)_4	0.70	0.00	179.00	60.00	14152	46
N200K60P70(9)_5	0.70	0.00	165.00	60.00	17447	46
N200K60P70(9)_6	1.40	0.00	163.00	60.00	12131	46
N200K60P70(9)_7	2.10	0.00	179.00	60.00	15486	46
N200K60P70(9)_8	2.10	0.00	188.00	60.00	18102	45
N200K60P70(9)_9	0.00	0.00	190.00	60.00	9848	45
N200K60P70(9)_10	0.00	0.00	183.00	60.00	8639	47
N200K60P70(10)_1	0.00	0.00	169.00	60.00	13675	48
N200K60P70(10)_2	0.70	0.00	183.00	60.00	14533	47
N200K60P70(10)_3	0.70	0.00	171.00	60.00	13454	48
N200K60P70(10)_4	1.40	0.00	183.00	60.00	12293	48
N200K60P70(10)_5	0.70	0.00	169.00	60.00	20931	48
N200K60P70(10)_6	0.70	0.00	173.00	60.00	15246	47
N200K60P70(10)_7	0.70	0.00	173.00	60.00	14277	48
N200K60P70(10)_8	0.70	0.00	187.00	60.00	15371	48
N200K60P70(10)_9	0.00	0.00	183.00	60.00	9734	48
N200K60P70(10)_10	1.40	0.00	193.00	60.00	11077	46
N200K60P80(1)_1	0.45	0.10	192.00	169.00	28971	18570
N200K60P80(1)_2	0.43	0.09	198.00	127.00	29110	21282
N200K60P80(1)_3	1.14	0.06	190.00	178.00	29018	29179
N200K60P80(1)_4	0.43	0.09	189.00	155.00	28994	29011
N200K60P80(1)_5	0.34	0.10	194.00	133.00	28884	29021
N200K60P80(1)_6	0.33	0.16	185.00	136.00	29308	13758
N200K60P80(1)_7	0.37	0.11	193.00	136.00	29440	18888
N200K60P80(1)_8	0.41	0.11	189.00	171.00	29098	29182
N200K60P80(1)_9	0.38	0.12	198.00	129.00	29154	16473
N200K60P80(1)_10	0.32	0.87	192.00	174.00	29367	12638
N200K60P80(2)_1	0.47	0.26	191.00	173.00	28560	28496
N200K60P80(2)_2	0.52	0.23	192.00	193.00	28615	21930
N200K60P80(2)_3	0.47	$\frac{0.21}{0.93}$	195.00	186.00	28959	28757
N200K60P80(2)_4 N200K60P80(2)_5	1.22 0.46	0.93 0.17	190.00 194.00	161.00 189.00	28431 28606	28669 28701
N200K60P80(2)_6	0.46	0.17	194.00	177.00	28571	23716
N200K60P80(2)_7	0.43 0.52	0.18	193.00	184.00	28533	28519
N200K60P80(2)_8	0.52 0.52	0.23	193.00	198.00	28420	28491
N200K60P80(2)_9	0.32	0.26	194.00	194.00	28691	28776
N200K60P80(2)_10	0.49	0.20	184.00	175.00	28830	28572
N200K60P80(2)_10 N200K60P80(3)_1	0.47	0.19	184.00	179.00	28327	25547
N200K60P80(3)_2	0.41	0.16	200.00	134.00	28208	26005
N200K60P80(3)_3	0.28	0.10	193.00	120.00	28330	28710
N200K60P80(3)_4	0.45	0.10	195.00	123.00	28200	14747
N200K60P80(3)_5	0.43	0.30	192.00	104.00	28378	28097
N200K60P80(3)_6	0.33	0.12	192.00	150.00	27935	$\frac{23037}{22561}$
N200K60P80(3)_7	0.42	0.07	192.00	126.00	28338	28797
N200K60P80(3)_8	0.28	0.12	192.00	139.00	28303	28456
N200K60P80(3)_9	0.48	0.09	186.00	165.00	28510	14746
1120013001 00(3)_3	0.04	0.00	100.00	100.00	20010	14140

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K60P80(3)_10	0.39	0.10	182.00	145.00	28434	14351
N200K60P80(4)_1	0.38	0.20	188.00	187.00	27837	28700
N200K60P80(4)_2	0.54	0.22	191.00	162.00	27419	28148
N200K60P80(4)_3	0.46	0.27	187.00	170.00	27748	23378
N200K60P80(4)_4	1.26	0.21	188.00	186.00	27745	28547
N200K60P80(4)_5	0.52	0.21	198.00	194.00	27619	28456
N200K60P80(4)_6	0.52	0.22	189.00	167.00	27577	28185
N200K60P80(4)_7	0.54	0.19	191.00	137.00	27666	23820
N200K60P80(4)_8	0.52	0.19	180.00	170.00	27453	26395
N200K60P80(4)_9	0.49	0.18	196.00	140.00	27623	27827
N200K60P80(4)_10	0.32	0.16	200.00	171.00	27890	27973
N200K60P80(5)_1	0.44	0.03	194.00	180.00	28833	29632
N200K60P80(5)_2	0.37	0.09	191.00	182.00	28622	19740
N200K60P80(5)_3	0.34	0.08	192.00	177.00	28668	24692
N200K60P80(5)_4	0.40	0.13	189.00	133.00	28673	23854
N200K60P80(5)_5	0.35	0.09	190.00	141.00	28707	21843
N200K60P80(5)_6	0.42	0.15	188.00	181.00	28577	24684
N200K60P80(5)_7	0.38	0.08	196.00	191.00	28632	28619
N200K60P80(5)_8	0.36	0.05	193.00	172.00	28608	29624
N200K60P80(5)_9	0.36	0.09	197.00	182.00	28747	26839
N200K60P80(5)_10	0.42	0.08	193.00	148.00	28849	29293
N200K60P80(6)_1	0.44	0.96	195.00	191.00	28449	22667
N200K60P80(6)_2	1.27	0.99	178.00	147.00	28457	25149
N200K60P80(6)_3	0.51	0.21	195.00	145.00	28305	27801
N200K60P80(6)_4	0.39	0.21	190.00	172.00	28532	27842
N200K60P80(6)_5	0.38	0.16	191.00	177.00	28382	28356
N200K60P80(6)_6	0.46	0.22	190.00	167.00	28259	28002
N200K60P80(6)_7	0.45	0.17	198.00	191.00	28391	28161
N200K60P80(6)_8	0.46	0.15	182.00	154.00	28343	27855
N200K60P80(6)_9	0.46	0.97	192.00	176.00	28044	25193
N200K60P80(6)_10	1.18	0.17	188.00	170.00	28335	28267
N200K60P80(7)_1	0.59	0.16	190.00	172.00	25370	25871
N200K60P80(7)_2	1.24	0.21	192.00	189.00	25316	25875
N200K60P80(7)_3	0.59	0.22	196.00	158.00	25350	22629
N200K60P80(7)_4	0.64	0.23	191.00	152.00	25448	25726
N200K60P80(7)_5	2.87	0.18	191.00	179.00	25205	19688
N200K60P80(7)_6	0.64	0.22	199.00	167.00	25363	25837
N200K60P80(7)_7	1.35	0.23	190.00	168.00	25487	25855
N200K60P80(7)_8	0.55	0.25	198.00	165.00	25586	25721
N200K60P80(7)_9	0.55	0.23	181.00	152.00	25507	25637
N200K60P80(7)_10	1.31	$\frac{0.26}{0.03}$	197.00	166.00	25591	25759
N200K60P80(8)_1 N200K60P80(8)_2	0.27	0.03	188.00 195.00	85.00 85.00	30830 30804	7103 5880
N200K60P80(8)_3	0.23	0.03	188.00	85.00	30892	
N200K60P80(8)_4	0.97	0.03	187.00	85.00	30860	5900 5884
N200K60P80(8)_5	0.22	0.03	193.00	119.00	30711	6637
N200K60P80(8)_6	0.19	0.02	184.00	85.00	30989	5896
N200K60P80(8)_7	0.29	0.03	183.00	85.00	30693	5876
N200K60P80(8)_8	0.28	0.03	188.00	85.00	30901	5892
N200K60P80(8)_9	0.24	0.03	196.00	85.00	30923	5889
N200K60P80(8)_10	0.24	0.03	190.00	85.00	30746	5881
N200K60P80(9)_1	0.28	0.03	192.00	162.00	28091	14955
N200K60P80(9)_2	0.37	0.02	196.00	137.00	27975	14769
N200K60P80(9)_3	0.43	0.05	192.00	151.00	27919	10599
N200K60P80(9)_4	0.43	0.03	183.00	140.00	28012	11887
N200K60P80(9)_5	0.37	0.02	192.00	178.00	27881	24134
N200K60P80(9)_6	0.33	0.02	187.00	168.00	28075	14567
1120011001 00(7)20	0.00	0.00	101.00	100.00	20010	1 1001

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K60P80(9)_7	0.39	0.07	192.00	152.00	28554	13132
N200K60P80(9)_8	0.31	0.04	197.00	154.00	27982	17614
N200K60P80(9)_9	0.49	0.02	188.00	182.00	27923	18820
N200K60P80(9)_10	0.50	0.05	196.00	179.00	28489	13942
N200K60P80(10)_1	0.30	0.02	191.00	87.00	29217	5690
N200K60P80(10)_2	0.43	0.02	190.00	87.00	29332	10809
N200K60P80(10)_3	0.31	0.02	195.00	87.00	29275	5665
N200K60P80(10)_4	0.31	0.02	190.00	87.00	29429	5683
N200K60P80(10)_5	0.41	0.02	192.00	87.00	28962	5676
N200K60P80(10)_6	0.36	0.02	188.00	87.00	29155	8139
N200K60P80(10)_7	0.38	0.00	195.00	87.00	29455	7901
N200K60P80(10)_8	0.30	0.02	188.00	87.00	29131	5680
N200K60P80(10)_9	0.31	0.02	185.00	87.00	29077	5675
N200K60P80(10)_10	0.42	0.00	187.00	87.00	28938	4804
N200K80P50(1)_1	0.50	0.00	182.00	80.00	19286	51
N200K80P50(1)_2	0.00	0.00	186.00	80.00	24682	52
N200K80P50(1)_3	2.00	0.00	190.00	80.00	28394	51
N200K80P50(1)_4	1.00	0.00	183.00	80.00	23209	50
N200K80P50(1)_5	2.50	0.00	184.00	80.00	17506	52
N200K80P50(1)_6	0.00	0.00	190.00	80.00	23558	51
N200K80P50(1)_7	2.50	0.00	198.00	80.00	28797	50
N200K80P50(1)_8	2.50	0.00	178.00	80.00	19583	51
N200K80P50(1)_9	2.50	0.00	178.00	80.00	17875	49
N200K80P50(1)_10	4.00	0.00	183.00	80.00	18532	49
N200K80P50(2)_1	1.00	1.50	183.00	137.00	25241	8045
N200K80P50(2)_2	2.50	1.00	188.00	143.00	16361	9128
N200K80P50(2)_3	1.50	2.00	185.00	130.00	20919	8238
N200K80P50(2)_4	3.00	1.50	192.00	144.00	20947	13659
N200K80P50(2)_5	2.00	0.50	192.00	186.00	22240	15878
N200K80P50(2)_6	1.50	2.00	187.00	145.00	26740	9690
N200K80P50(2)_7	2.00	1.50	186.00	167.00	16821	11898
N200K80P50(2)_8	1.50	1.00	187.00	165.00	19418	9661
N200K80P50(2)_9	2.00	1.50	182.00	182.00	25625	8929
N200K80P50(2)_10	4.00	2.00	179.00	138.00	18750	10456
N200K80P50(3)_1	2.00	1.50	194.00	131.00	20070	7531
N200K80P50(3)_2	2.50	1.00	185.00	144.00	23640	10319
N200K80P50(3)_3	2.50	2.00	191.00	100.00	21480	7042
N200K80P50(3)_4	1.00	1.50	187.00	129.00	29111	8567
N200K80P50(3)_5	3.00	1.00	187.00	139.00	18605	9402
N200K80P50(3)_6	1.50	1.00	189.00	147.00	23989	8168
N200K80P50(3)_7	1.00	1.00	190.00	126.00	21322	15658
N200K80P50(3)_8	2.50	1.00	187.00	111.00	27233	10201
N200K80P50(3)_9	2.50	1.00	169.00	160.00	25438	8243
N200K80P50(3)_10	2.50	1.50	186.00	141.00	27069	7557
N200K80P50(4)_1	2.00	1.00	180.00	101.00	22395	5956
N200K80P50(4)_2	2.50	1.00	192.00	89.00	23793	6022
N200K80P50(4)_3	1.50	1.00	184.00	143.00	26750	5926
N200K80P50(4)_4	1.00	0.50	187.00	106.00	23167	8655
N200K80P50(4)_5	2.00	0.50	187.00	115.00	25042	6665
N200K80P50(4)_6	1.50	0.50	193.00	107.00	22352	8767
N200K80P50(4)_7	2.00	0.50	190.00	108.00	28132	7211
N200K80P50(4)_8	4.50	1.00	182.00	89.00	15724	6199
N200K80P50(4)_9	2.00	1.00	180.00	106.00	27895	6207
N200K80P50(4)_10	3.00	1.00	195.00	83.00	18905	6065
N200K80P50(5)_1	1.50	0.00	182.00	80.00	21837	51
N200K80P50(5)_2	1.00	0.00	177.00	80.00	23067	51
N200K80P50(5)_3	1.50	0.00	192.00	80.00	20264	52

Total loss value		Number	of active MDs	Time (ms)		
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K80P50(5)_4	1.00	0.00	181.00	80.00	29558	51
N200K80P50(5)_5	1.00	0.00	188.00	80.00	24757	50
N200K80P50(5)_6	1.00	0.00	187.00	80.00	24549	50
N200K80P50(5)_7	0.50	0.00	183.00	80.00	28553	50
N200K80P50(5)_8	2.00	0.00	174.00	80.00	26252	50
N200K80P50(5)_9	3.50	0.00	181.00	80.00	17625	50
N200K80P50(5)_10	0.50	0.00	179.00	80.00	25485	50
N200K80P50(6)_1	3.00	0.00	189.00	80.00	17492	50
N200K80P50(6)_2		0.00	193.00	80.00	27400	49
. ,	1.00					
N200K80P50(6)_3	3.50	0.00	190.00	80.00	14511	50
N200K80P50(6)_4	3.50	0.00	182.00	80.00	19827	50
N200K80P50(6)_5	0.50	0.00	195.00	80.00	29386	49
N200K80P50(6)_6	1.50	0.00	177.00	80.00	24547	51
N200K80P50(6)_7	1.00	0.00	192.00	80.00	21874	50
N200K80P50(6)_8	1.50	0.00	191.00	80.00	22874	49
N200K80P50(6)_9	1.50	0.00	194.00	80.00	17794	50
N200K80P50(6) ₋ 10	3.00	0.00	183.00	80.00	17293	50
N200K80P50(7)_1	5.50	3.50	189.00	114.00	17112	9815
N200K80P50(7)_2	5.50	3.50	178.00	117.00	21041	8790
N200K80P50(7)_3	5.00	3.50	180.00	134.00	16668	7251
N200K80P50(7)_4	5.00	4.00	172.00	115.00	18871	7150
N200K80P50(7)_5	3.50	3.50	181.00	124.00	24224	7936
N200K80P50(7)_6	5.00	3.50	182.00	178.00	20452	9052
N200K80P50(7)_7	4.50	3.50	179.00	161.00	22352	8984
N200K80P50(7)_8	4.00	3.50	173.00	116.00	26142	9736
N200K80P50(7)_9	3.00	3.00	197.00	151.00	19240	9542
N200K80P50(7)_10	6.50	3.50	186.00	123.00	20327	8362
N200K80P50(8)_1	2.00	0.50	193.00	125.00	24006	6681
N200K80P50(8)_2	0.50	0.50	172.00	113.00	26137	6720
N200K80P50(8)_3	2.00	0.50	187.00	101.00	17942	6727
N200K80P50(8)_4	3.50	0.50	160.00	103.00	18833	6420
N200K80P50(8)_5	1.50	0.50	184.00	130.00	21620	6732
N200K80P50(8)_6	2.00	$\frac{0.50}{0.50}$	179.00	93.00	16158	6574
N200K80P50(8)_7	1.50	0.50	190.00	98.00	24518	6742
N200K80P50(8)_8	1.50	$\frac{0.50}{0.50}$	193.00	95.00	25168	6425
N200K80P50(8)_9	3.00	0.50	179.00	126.00	16938	6603
N200K80P50(8)_10	1.00	0.50	187.00	84.00	24204	6724
N200K80P50(9)_1	1.50		191.00	80.00	18726	48
. ,		0.00				
N200K80P50(9)_2	1.50	0.00	181.00	80.00	24000	50
N200K80P50(9)_3	1.00	0.00	189.00	80.00	22181	48
N200K80P50(9)_4	3.50	0.00	186.00	80.00	14159	48
N200K80P50(9)_5	1.50	0.00	191.00	80.00	18064	50
N200K80P50(9)_6	2.00	0.00	184.00	80.00	17712	48
N200K80P50(9)_7	3.00	0.00	183.00	80.00	22586	49
N200K80P50(9)_8	2.50	0.00	186.00	80.00	28921	48
N200K80P50(9)_9	1.00	0.00	180.00	80.00	24762	49
N200K80P50(9)_10	1.50	0.00	188.00	80.00	17430	48
N200K80P50(10)_1	1.50	0.00	191.00	80.00	25894	51
N200K80P50(10)_2	2.50	0.00	189.00	80.00	17532	51
N200K80P50(10)_3	1.50	0.00	175.00	80.00	21848	51
N200K80P50(10)_4	1.00	0.00	176.00	80.00	23399	52
N200K80P50(10)_5	1.50	0.00	188.00	80.00	21719	52
N200K80P50(10)_6	0.50	0.00	175.00	80.00	24285	51
N200K80P50(10)_7	0.50	0.00	195.00	80.00	23228	52
N200K80P50(10)_8	1.50	0.00	180.00	80.00	25603	52
N200K80P50(10)_9	1.50	0.00	182.00	80.00	17962	51
N200K80P50(10)_10	3.50	0.00	187.00	80.00	15603	51
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	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K80P60(1)_1	2.40	0.00	185.00	80.00	23661	50
N200K80P60(1)_2	3.00	0.00	178.00	80.00	16938	50
N200K80P60(1)_3	4.20	0.00	190.00	80.00	18450	50
N200K80P60(1)_4	3.60	0.00	179.00	80.00	23905	50
N200K80P60(1)_5	3.60	0.00	191.00	80.00	18669	51
N200K80P60(1)_6	0.60	0.00	181.00	80.00	29073	51
N200K80P60(1)_7	3.60	0.00	186.00	80.00	19828	49
N200K80P60(1)_8	6.00	0.00	186.00	80.00	18816	51
N200K80P60(1)_9	4.20	0.00	191.00	80.00	16047	51
N200K80P60(1)_10	1.80	0.00	180.00	80.00	21921	49
N200K80P60(2)_1	2.40	2.40	185.00	103.00	23019	8681
N200K80P60(2)_2	1.20	2.40	194.00	153.00	24476	7906
N200K80P60(2)_3	3.00	1.80	186.00	185.00	17437	8518
N200K80P60(2)_4	0.00	1.80	183.00	157.00	22576	8660
N200K80P60(2)_5	1.80	1.80	191.00	163.00	24213	12573
N200K80P60(2)_6	1.20	1.80	194.00	187.00	27905	7701
N200K80P60(2)_7	2.40	2.40	187.00	153.00	22066	8823
N200K80P60(2)_8	3.00	1.80	193.00	178.00	17809	11696
N200K80P60(2)_9	1.80	3.00	191.00	137.00	24186	8203
N200K80P60(2)_10	1.80	1.80	182.00	180.00	22980	7606
N200K80P60(3)_1	3.00	2.40	195.00	146.00	28980	7285
N200K80P60(3)_2	1.20	1.80	185.00	149.00	29312	7473
N200K80P60(3)_3	3.00	1.20	187.00	141.00	23807	12942
N200K80P60(3)_4	0.60	1.20	179.00	141.00	29220	8440
N200K80P60(3)_5	3.00	1.80	181.00	111.00	17843	11927
N200K80P60(3)_6	1.20	1.20	187.00	150.00	28796	8515
N200K80P60(3)_7	3.60	1.20	182.00	138.00	17620	10790
N200K80P60(3)_8	1.80	1.20	188.00	138.00	16796	14108
N200K80P60(3)_9	4.80	1.80	177.00	135.00	20155	7612
N200K80P60(3)_10	1.80	1.20	194.00	147.00	22097	9357
N200K80P60(4)_1	3.60	0.60	195.00	106.00	22039	8087
N200K80P60(4)_2	1.80	0.60	187.00	106.00	24470	6746
N200K80P60(4)_3	1.20	1.20	182.00	95.00	24641	6077
N200K80P60(4)_4	2.40	1.20	192.00	106.00	27621	6074
N200K80P60(4)_5	2.40	1.20	189.00	98.00	19304	6273
N200K80P60(4)_6	2.40	1.20	182.00	82.00	17981	6133
N200K80P60(4)_7	5.40	1.20	187.00	99.00	15489	6218
N200K80P60(4)_8	4.20	1.20	180.00	109.00	18394	6143
N200K80P60(4)_9	4.20	0.60	165.00	117.00	21651	11142
N200K80P60(4)_10	1.20	1.20	188.00	87.00	25959	6140
N200K80P60(5)_1	3.00	0.00	179.00	80.00	25810	50
N200K80P60(5)_2	2.40	0.00	182.00	80.00	26790	50
N200K80P60(5)_3	4.80	0.00	186.00	80.00	20025	50
N200K80P60(5)_4	1.20	0.00	180.00	80.00	22351	49
N200K80P60(5)_5	0.60	0.00	183.00	80.00	21907	51
N200K80P60(5)_6	0.60	0.00	190.00	80.00	26174	51
N200K80P60(5)_7	1.80	0.00	177.00	80.00	22758	50
N200K80P60(5)_8	2.40	0.00	176.00	80.00	21146	49
N200K80P60(5)_9	3.60	0.00	193.00	80.00	15809	51
N200K80P60(5)_10	2.40	0.00	184.00	80.00	19669	53
N200K80P60(6)_1	3.00	0.00	189.00	80.00	19347	48
N200K80P60(6)_2	3.00	0.00	182.00	80.00	21090	48
N200K80P60(6)_3	2.40	0.00	174.00	80.00	19795	50
N200K80P60(6)_4	1.20	0.00	179.00	80.00	29021	52
N200K80P60(6)_5	1.20	0.00	194.00	80.00	29173	49
N200K80P60(6)_6	2.40	0.00	181.00	80.00	19288	49
N200K80P60(6)_7	3.60	0.00	180.00	80.00	18852	49

	Total lo	ss value	Number o	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K80P60(6)_8	2.40	0.00	177.00	80.00	25893	49
N200K80P60(6)_9	2.40	0.00	184.00	80.00	24586	48
N200K80P60(6)_10	3.60	0.00	189.00	80.00	18942	49
N200K80P60(7)_1	4.80	4.20	191.00	130.00	20457	7855
N200K80P60(7)_2	5.40	4.20	186.00	124.00	20199	12074
N200K80P60(7)_3	7.20	4.20	185.00	121.00	18497	8526
N200K80P60(7)_4	3.60	4.20	188.00	151.00	23351	9268
N200K80P60(7)_5	3.00	4.20	178.00	134.00	26272	10804
N200K80P60(7)_6	5.40	3.60	194.00	145.00	21691	7963
N200K80P60(7)_7	3.00	4.80	190.00	130.00	23611	8171
N200K80P60(7)_8	3.60	4.20	175.00	137.00	26001	8717
N200K80P60(7)_9	4.80	4.80	179.00	154.00	18679	7517
N200K80P60(7)_10	6.60	4.20	199.00	163.00	21699	7314
N200K80P60(8)_1	0.00	0.60	185.00	98.00	14322	6475
N200K80P60(8)_2	1.80	0.60	185.00	133.00	23356	6436
N200K80P60(8)_3	1.20	0.00	186.00	150.00	21613	1078
N200K80P60(8)_4	1.20	0.60	193.00	120.00	21905	6374
N200K80P60(8)_5	1.20	0.60	187.00	89.00	25386	6664
N200K80P60(8)_6	0.60	0.60	190.00	109.00	26500	6472
N200K80P60(8)_7	1.80	0.60	187.00	108.00	23234	6353
N200K80P60(8)_8	1.80	0.60	182.00	116.00	19136	6608
N200K80P60(8)_9	0.60	0.60	191.00	97.00	22305	6721
N200K80P60(8)_10	0.60	0.60	191.00	110.00	28324	6607
N200K80P60(9)_1	3.60	0.00	175.00	80.00	23581	48
N200K80P60(9)_2	2.40	0.00	188.00	80.00	18684	48
N200K80P60(9)_3	3.60	0.00	188.00	80.00	17253	49
N200K80P60(9)_4	1.20	0.00	180.00	80.00	27690	48
N200K80P60(9)_5	2.40	0.00	174.00	80.00	20506	49
N200K80P60(9)_6	4.20	0.00	181.00	80.00	21065	48
N200K80P60(9)_7	1.20	0.00	189.00	80.00	28655	49
N200K80P60(9)_8	1.20	0.00	188.00	80.00	23212	48
N200K80P60(9)_9	1.80	0.00	185.00	80.00	19891	48
N200K80P60(9)_10	1.80	0.00	180.00	80.00	28060	48
N200K80P60(10)_1	0.60	0.00	191.00	80.00	21969	52
N200K80P60(10)_2	3.00	0.00	193.00	80.00	17854	50
N200K80P60(10)_3	2.40	0.00	176.00	80.00	28070	50
N200K80P60(10)_4	2.40	0.00	190.00	80.00	15408	49
N200K80P60(10)_5	1.20	0.00	192.00	80.00	21068	51
N200K80P60(10)_6	1.80	0.00	187.00	80.00	20545	51
N200K80P60(10)_7	1.80	0.00	181.00	80.00	18691	50
N200K80P60(10)_8	0.00	0.00	192.00	80.00	20203	51
N200K80P60(10)_9	3.00	0.00	170.00	80.00	19728	51
N200K80P60(10)_10	0.00	0.00	181.00	80.00	24948	50
N200K80P70(1)_1	2.10	0.00	175.00	80.00	24764	50
N200K80P70(1)_2	0.00	0.00	185.00	80.00	23156	51
N200K80P70(1)_3	3.50	0.00	179.00	80.00	18303	51
N200K80P70(1)_4	2.10	0.00	191.00	80.00	24327	51
N200K80P70(1)_5	2.10	0.00	188.00	80.00	26731	50
N200K80P70(1)_6	1.40	0.00	189.00	80.00	26389	50
N200K80P70(1)_7	0.70	0.00	182.00	80.00	18276	50
N200K80P70(1)_8	2.80	0.00	187.00	80.00	17941	50
N200K80P70(1)_9	1.40	0.00	181.00	80.00	20292	50
N200K80P70(1)_10	3.50	0.00	185.00	80.00	18332	50
N200K80P70(2)_1	3.50	2.10	185.00	170.00	18338	9192
N200K80P70(2)_2	2.80	2.80	192.00	160.00	22112	7568
N200K80P70(2)_3	2.80	2.10	187.00	152.00	25489	8714
N200K80P70(2)_4	3.50	2.80	181.00	117.00	19164	7880

I	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K80P70(2)_5	2.80	2.80	188.00	147.00	28472	8134
N200K80P70(2)_6	1.40	2.80	191.00	154.00	25272	8268
N200K80P70(2)_7	3.50	2.80	183.00	145.00	20612	9055
N200K80P70(2)_8	5.60	2.10	183.00	194.00	17909	9211
N200K80P70(2)_9	4.90	2.80	193.00	157.00	19466	7887
N200K80P70(2)_10	3.50	2.10	184.00	179.00	24779	8414
N200K80P70(3)_1	2.10	1.40	183.00	110.00	19727	11861
N200K80P70(3)_2	2.10	2.10	183.00	147.00	20158	8928
N200K80P70(3)_3	2.80	2.80	180.00	140.00	21363	7327
N200K80P70(3)_4	0.70	2.10	190.00	84.00	29130	10315
N200K80P70(3)_5	1.40	2.80	184.00	139.00	25754	7608
N200K80P70(3)_6	4.20	1.40	189.00	131.00	22912	7655
N200K80P70(3)_7	2.10	1.40	184.00	121.00	24867	8804
N200K80P70(3)_8	2.80	2.10	178.00	127.00	28908	8392
N200K80P70(3)_9	4.90	2.10	184.00	127.00	22511	12473
N200K80P70(3)_10	1.40	1.40	186.00	137.00	22873	10576
N200K80P70(4)_1	4.20	1.40	182.00	94.00	19921	6164
N200K80P70(4)_2	4.90	1.40	183.00	82.00	22420	5940
N200K80P70(4)_3	4.20	1.40	187.00	104.00	20104	6438
N200K80P70(4)_4	2.80	1.40	184.00	107.00	19570	6152
N200K80P70(4)_5	5.60	1.40	188.00	91.00	18845	6493
N200K80P70(4)_6	3.50	0.70	193.00	104.00	27888	6394
N200K80P70(4)_7	1.40	1.40	185.00	86.00	26685	6097
N200K80P70(4)_8	2.80	0.70	193.00	95.00	23968	9189
N200K80P70(4)_9	3.50	1.40	164.00	104.00	23775	6141
N200K80P70(4)_10	3.50	1.40	190.00	101.00	21425	6175
N200K80P70(5)_1	1.40	0.00	198.00	80.00	19548	50
N200K80P70(5)_2	2.10	0.00	178.00	80.00	28098	50
N200K80P70(5)_3	0.00	0.00	189.00	80.00	21229	49
N200K80P70(5)_4	3.50	0.00	175.00	80.00	18636	50
N200K80P70(5)_5	0.00	0.00	180.00	80.00	15812	50
N200K80P70(5)_6	2.80	0.00	185.00	80.00	19417	50
N200K80P70(5)_7	1.40	0.00	196.00	80.00	24713	51
N200K80P70(5)_8	0.70	0.00	169.00	80.00	29360	50
N200K80P70(5)_9	0.70	0.00	185.00	80.00	15094	50
N200K80P70(5)_10	2.10	0.00	176.00	80.00	25122	50
N200K80P70(6) ₋ 1	4.20	0.00	188.00	80.00	19565	50
N200K80P70(6)_2	2.80	0.00	183.00	80.00	24619	49
N200K80P70(6)_3	2.80	0.00	195.00	80.00	17553	48
N200K80P70(6)_4	0.70	0.00	181.00	80.00	27185	49
N200K80P70(6)_5	2.10	0.00	193.00	80.00	21053	48
N200K80P70(6)_6	2.80	0.00	186.00	80.00	18192	50
N200K80P70(6)_7	4.90	0.00	191.00	80.00	17909	50
N200K80P70(6)_8	2.10	0.00	185.00	80.00	28876	49
N200K80P70(6)_9	4.90	0.00	189.00	80.00	22795	48
N200K80P70(6)_10	3.50	0.00	172.00	80.00	24986	49
N200K80P70(7)_1	6.30	4.20	192.00	168.00	21593	10104
N200K80P70(7)_2	9.10	5.60	179.00	137.00	13343	7919
N200K80P70(7)_3	5.60	6.30	191.00	114.00	20525	6909
N200K80P70(7)_4	6.30	5.60	182.00	130.00	19621	7727
N200K80P70(7)_5	4.90	4.90	188.00	131.00	24864	8479
N200K80P70(7)_6	6.30	5.60	189.00	113.00	22215	7804
N200K80P70(7)_7	7.00	4.90	183.00	168.00	25909	8516
N200K80P70(7)_8	6.30	4.20	182.00	112.00	26047	10152
N200K80P70(7)_9	10.50	4.90	190.00	128.00	18248	9180
N200K80P70(7)_10	4.90	4.90	182.00	165.00	26023	8644
N200K80P70(8)_1	1.40	0.70	180.00	103.00	22524	6664

In the second #Door	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K80P70(8)_2	0.70	0.70	189.00	88.00	28740	6591
N200K80P70(8)_3	1.40	0.70	187.00	99.00	18516	6730
N200K80P70(8)_4	0.00	0.70	194.00	96.00	20254	6529
N200K80P70(8)_5	1.40	0.00	190.00	173.00	22080	801
N200K80P70(8)_6	1.40	0.70	190.00	102.00	16105	6592
N200K80P70(8)_7	1.40	0.70	191.00	119.00	28659	6693
N200K80P70(8)_8	1.40	0.70	191.00	103.00	21756	6388
N200K80P70(8)_9	2.10	0.70	191.00	97.00	21524	6404
N200K80P70(8)_10	3.50	0.70	189.00	114.00	18289	6342
N200K80P70(9)_1	1.40	0.00	188.00	80.00	28204	49
N200K80P70(9)_2	2.80	0.00	178.00	80.00	21950	49
N200K80P70(9)_3	2.10	0.00	185.00	80.00	25420	48
N200K80P70(9)_4	2.10	0.00	182.00	80.00	28905	49
N200K80P70(9)_5	4.20	0.00	194.00	80.00	19241	48
N200K80P70(9)_6	4.20	0.00	187.00	80.00	18659	48
N200K80P70(9)_7	1.40	0.00	185.00	80.00	28886	48
N200K80P70(9)_8	2.80	0.00	188.00	80.00	21230	49
N200K80P70(9)_9	4.20	0.00	188.00	80.00	24338	48
N200K80P70(9)_10	3.50	0.00	181.00	80.00	23027	48
N200K80P70(10)_1	2.10	0.00	183.00	80.00	20106	50
N200K80P70(10)_2	0.70	0.00	174.00	80.00	22311	51
N200K80P70(10)_3	3.50	0.00	172.00	80.00	18983	51
N200K80P70(10)_4	2.80	0.00	173.00	80.00	22764	51
N200K80P70(10)_5	4.20	0.00	182.00	80.00	23838	52
N200K80P70(10)_6	4.20	0.00	183.00	80.00	18902	50
N200K80P70(10)_7	1.40	0.00	186.00	80.00	23213	51
N200K80P70(10)_8	0.70	0.00	183.00	80.00	24706	50
N200K80P70(10)_9	1.40	0.00	193.00 189.00	80.00	24355	51 51
N200K80P70(10)_10 N200K80P80(1)_1	0.70	0.00 1.34	191.00	80.00 176.00	29927 30917	31748
N200K80P80(1)_1 N200K80P80(1)_2	1.13	$\frac{1.34}{0.61}$	191.00	175.00	31155	31846
N200K80P80(1)_3	1.01	0.51	187.00	173.00	30697	32013
N200K80P80(1)_4	2.67	1.32	192.00	175.00	30902	$\frac{32013}{31740}$
N200K80P80(1)_5	1.94	$\frac{1.52}{0.67}$	196.00	174.00	30983	31640
N200K80P80(1)_6	1.07	0.60	193.00	196.00	30841	31786
N200K80P80(1)_7	1.75	0.58	193.00	171.00	30764	31661
N200K80P80(1)_8	0.97	1.32	199.00	175.00	30843	31806
N200K80P80(1)_9	2.51	1.42	195.00	186.00	30695	31869
N200K80P80(1)_10	1.06	1.29	194.00	179.00	30912	31885
N200K80P80(2)_1	2.03	2.30	189.00	189.00	30152	30669
N200K80P80(2)_2	1.99	1.67	193.00	181.00	30139	30536
N200K80P80(2)_3	4.42	2.39	195.00	180.00	29962	30646
N200K80P80(2)_4	2.74	1.56	188.00	195.00	29990	30925
N200K80P80(2)_5	3.57	1.76	195.00	167.00	30242	30486
N200K80P80(2)_6	1.97	1.61	194.00	188.00	30104	31077
N200K80P80(2)_7	2.82	3.85	186.00	191.00	30167	30441
N200K80P80(2)_8	2.82	1.69	181.00	185.00	30389	30595
N200K80P80(2)_9	2.10	2.27	195.00	198.00	30069	30742
N200K80P80(2)_10	2.78	1.65	192.00	172.00	30086	30400
N200K80P80(3)_1	2.62	1.40	196.00	190.00	29792	30790
N200K80P80(3)_2	1.27	1.39	194.00	167.00	30041	30548
N200K80P80(3)_3	1.12	2.09	193.00	197.00	29839	30885
N200K80P80(3)_4	2.09	3.69	189.00	189.00	29786	31086
N200K80P80(3)_5	1.90	1.36	193.00	187.00	29964	30858
N200K80P80(3)_6	1.02	0.57	196.00	191.00	30307	31008
N200K80P80(3)_7	2.56	1.37	191.00	193.00	29714	31187
N200K80P80(3)_8	1.72	2.93	186.00	195.00	30042	31029

N200K80P80(3).9 1.17 1.37 188.00 192.00 30009 3 N200K80P80(3).10 2.73 0.60 191.00 173.00 29874 3 N200K80P80(4).1 2.06 2.38 193.00 185.00 28779 2 N200K80P80(4).2 4.36 2.41 193.00 184.00 28543 2 N200K80P80(4).3 2.10 2.44 197.00 173.00 28700 2 N200K80P80(4).4 2.89 0.90 192.00 175.00 28524 2 N200K80P80(4).5 5.96 3.97 184.00 185.00 29743 2 N200K80P80(4).6 2.83 2.46 184.00 189.00 29129 2 N200K80P80(4).7 1.97 0.95 193.00 180.00 28552 2 N200K80P80(4).8 2.04 6.14 187.00 199.00 28729 2 N200K80P80(4).9 4.25 2.50 196.00 170.00 28661 2 N200K80P80(4).10 2.74 5.43 186.00 198.00 28854 2 N200K80P80(5).1 0.85 0.65 197.00 152.00 30649 3 N200K80P80(5).2 1.10 0.68 197.00 179.00 30649 3 N200K80P80(5).3 1.88 0.60 187.00 174.00 30619 3 N200K80P80(5).5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5).5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5).8 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5).8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(6).5 1.90 2.10 196.00 187.00 30030 3 N200K80P80(6).5 1.93 3.70 198.00 177.00 30283 N200K80P80(6).6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6).6 2.67	9922 9990 9912 9922 9408 9602 9667 9368 9575 9520 9658 1513 1831 1598 1708 1646 1808
N200K80P80(3).10 2.73 0.60 191.00 173.00 29874 3 N200K80P80(4).1 2.06 2.38 193.00 185.00 28779 2 N200K80P80(4).2 4.36 2.41 193.00 184.00 28543 2 N200K80P80(4).3 2.10 2.44 197.00 173.00 28700 2 N200K80P80(4).4 2.89 0.90 192.00 175.00 28524 2 N200K80P80(4).5 5.96 3.97 184.00 185.00 29743 2 N200K80P80(4).6 2.83 2.46 184.00 189.00 29129 2 N200K80P80(4).7 1.97 0.95 193.00 180.00 28552 2 N200K80P80(4).8 2.04 6.14 187.00 199.00 28729 2 N200K80P80(4).9 4.25 2.50 196.00 170.00 28661 2 N200K80P80(4).10 2.74 5.43 186.00 198.00 28854 2 N200K80P80(5).1 0.85 0.65 197.00 152.00 30838 3 N200K80P80(5).2 1.10 0.68 197.00 179.00 30649 3 N200K80P80(5).3 1.88 0.60 187.00 174.00 30619 3 N200K80P80(5).4 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5).5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5).5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5).8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(6).5 1.93 2.10 198.00 187.00 30030 3 N200K80P80(6).5 1.93 3.70 198.00 187.00 29870 3 N200K80P80(6).2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6).5 1.93 3.70 198.00 197.00 29885 3 N200K80P80(6).5 1.93 3.70 198.00 197.00 29885 3 N200K80P80(6).5 1.93 3.70 198.00 197.00 29885 3 N200K80P80(6).5 1.93 3.70 198.00 197.00 29855 3 N200K80P80(6).5 1.93 3.70 198.00 197.00 29985 3 N200K80P80(6).5 1.93 3.70 198.00 197.00 29995	9990 9912 9922 9408 9602 9690 9667 9368 9575 9520 9658 1513 1831 1898 1708 1646
N200K80P80(4)_1 2.06 2.38 193.00 185.00 28779 2	9912 9922 9408 9602 9667 9368 9575 9520 9658 1513 1831 1598 1708 1646
N200K80P80(4).2	9922 9408 9602 9690 9667 9368 9575 9520 9658 1513 1831 1598 1708 1646
N200K80P80(4).3 2.10 2.44 197.00 173.00 28700 2	9408 9602 9690 9667 9368 9575 9520 9658 1513 1831 1598 1708 1646
N200K80P80(4)_4 2.89 0.90 192.00 175.00 28524 2 N200K80P80(4)_5 5.96 3.97 184.00 185.00 28743 2 N200K80P80(4)_6 2.83 2.46 184.00 189.00 29129 2 N200K80P80(4)_7 1.97 0.95 193.00 180.00 28552 2 N200K80P80(4)_8 2.04 6.14 187.00 199.00 28729 2 N200K80P80(4)_9 4.25 2.50 196.00 170.00 28661 2 N200K80P80(4)_10 2.74 5.43 186.00 198.00 28854 2 N200K80P80(5)_1 0.85 0.65 197.00 152.00 30838 3 N200K80P80(5)_2 1.10 0.68 197.00 179.00 30649 3 N200K80P80(5)_3 1.88 0.60 187.00 174.00 30619 3 N200K80P80(5)_4 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5)_5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5)_6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 197.00 30283 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_5 1.93 3.70 198.00 179.00 29985 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29955 3 N200K80P80(6)_6 2.67 3.36 193.00 179.00 29946 3 N200K80P80(6)_6 3.43 3.43 189.00 199.00 29955 3 N200K80P80(6)_6 3.43 3.43 189.00 199.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946	9602 9690 9667 9368 9575 9520 9658 1513 1831 1598 1708 1646
N200K80P80(4)_5 5.96 3.97 184.00 185.00 28743 2	9690 9667 9368 9575 9520 9658 1513 1831 1598 1708 1646
N200K80P80(4).6 2.83 2.46 184.00 189.00 29129 2	9667 9368 9575 9520 9658 1513 1831 1598 1708 1646
N200K80P80(4)_7 1.97 0.95 193.00 180.00 28552 2	9368 9575 9520 9658 1513 1831 1598 1708 1646
N200K80P80(4)_8	0575 0520 0658 1513 1831 1598 1708 1646 1808
N200K80P80(4)_9 4.25 2.50 196.00 170.00 28661 2 N200K80P80(4)_10 2.74 5.43 186.00 198.00 28854 2 N200K80P80(5)_1 0.85 0.65 197.00 152.00 30838 3 N200K80P80(5)_2 1.10 0.68 197.00 179.00 30649 3 N200K80P80(5)_3 1.88 0.60 187.00 174.00 30619 3 N200K80P80(5)_4 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5)_5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5)_6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5)_7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 </td <td>0520 0658 1513 1831 1598 1708 1646 1808</td>	0520 0658 1513 1831 1598 1708 1646 1808
N200K80P80(4)_10	0658 1513 1831 1598 1708 1646 1808
N200K80P80(5)_1 0.85 0.65 197.00 152.00 30838 3 N200K80P80(5)_2 1.10 0.68 197.00 179.00 30649 3 N200K80P80(5)_3 1.88 0.60 187.00 174.00 30619 3 N200K80P80(5)_4 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5)_5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5)_6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5)_7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 <td>1513 1831 1598 1708 1646 1808</td>	1513 1831 1598 1708 1646 1808
N200K80P80(5)_2 1.10 0.68 197.00 179.00 30649 3 N200K80P80(5)_3 1.88 0.60 187.00 174.00 30619 3 N200K80P80(5)_4 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5)_5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5)_6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5)_7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(6)_1 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 <td>1831 1598 1708 1646 1808</td>	1831 1598 1708 1646 1808
N200K80P80(5).3 1.88 0.60 187.00 174.00 30619 3 N200K80P80(5).4 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5).5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5).6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5).7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5).8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5).9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(6).10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6).1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6).2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6).3 1.28 4.23 199.00 199.00 29857 3 <td>1598 1708 1646 1808</td>	1598 1708 1646 1808
N200K80P80(5)_4 2.64 0.60 194.00 181.00 30617 3 N200K80P80(5)_5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5)_6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5)_7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 177.00 30283 3 <td>1708 1646 1808</td>	1708 1646 1808
N200K80P80(5)_5 1.83 0.55 182.00 193.00 30155 3 N200K80P80(5)_6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5)_7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 177.00 30283 3 N200K80P80(6)_5 1.93 3.70 198.00 171.00 30109 3 <td>1646</td>	1646
N200K80P80(5)_6 1.90 2.10 196.00 187.00 30408 3 N200K80P80(5)_7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 177.00 30283 3 N200K80P80(6)_5 1.93 3.70 198.00 171.00 30109 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 <td>1808</td>	1808
N200K80P80(5)_7 1.10 0.59 193.00 188.00 30557 3 N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 <td></td>	
N200K80P80(5)_8 2.69 0.60 197.00 184.00 30436 3 N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 195.00 29955 3 <td>75/1</td>	75/1
N200K80P80(5)_9 0.96 0.72 200.00 195.00 30722 3 N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 </td <td></td>	
N200K80P80(5)_10 1.78 0.62 198.00 187.00 30611 3 N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 </td <td>1602</td>	1602
N200K80P80(6)_1 1.95 0.59 192.00 187.00 29870 3 N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2 <td>1766</td>	1766
N200K80P80(6)_2 1.16 0.85 191.00 176.00 30030 3 N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2 <td>1689</td>	1689
N200K80P80(6)_3 1.28 4.23 199.00 199.00 29885 3 N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2	0566
N200K80P80(6)_4 2.66 1.18 189.00 194.00 29857 3 N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2)210
N200K80P80(6)_5 1.93 3.70 198.00 177.00 30283 3 N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2)229
N200K80P80(6)_6 2.67 3.36 193.00 189.00 29901 3 N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2)464
N200K80P80(6)_7 1.22 1.51 192.00 171.00 30109 3 N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2)123
N200K80P80(6)_8 3.43 3.43 189.00 192.00 30012 3 N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2)533
N200K80P80(6)_9 1.87 2.72 194.00 195.00 29955 3 N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2	0075
N200K80P80(6)_10 1.90 0.73 199.00 179.00 29946 3 N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2)444
N200K80P80(7)_1 5.98 4.03 197.00 186.00 26693 2 N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2	0419
N200K80P80(7)_2 5.35 3.27 194.00 185.00 26581 2	7364
	7274
N200K80P80(7)_3 4.48 4.76 197.00 178.00 26636 2	7088
` '	7257
	$\frac{257}{7358}$
` '	7336
` '	7035
	7259
` '	$\frac{257}{7257}$
· ·	7160
` '	2582
` '	2149
	2164
, ,	
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	1873
	1873 1995 2108
	1873
	1873 1995 2108 2061
	1873 1995 2108 2061 1791
	1873 1995 2108 2061 1791 2116
	1873 1995 2108 2061 1791 2116 2271
	1873 1995 2108 2061 1791 2116 2271
N200K80P80(9)_5 1.90 0.50 190.00 184.00 29589 3	1873 1995 2108 2061 1791 2116 2271 0961

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K80P80(9)_6	1.21	1.20	198.00	173.00	29520	30808
N200K80P80(9)_7	2.71	0.48	196.00	181.00	29416	30700
N200K80P80(9)_8	2.81	0.43	189.00	193.00	29516	31090
N200K80P80(9)_9	1.12	0.44	195.00	199.00	29630	31055
N200K80P80(9)_10	2.62	1.29	184.00	200.00	29342	31052
N200K80P80(10)_1	0.96	0.27	195.00	188.00	30802	31469
N200K80P80(10)_2	0.95	0.29	192.00	187.00	30878	31372
N200K80P80(10)_3	1.11	0.28	186.00	180.00	30580	31353
N200K80P80(10)_4	1.10	0.41	191.00	168.00	30824	30983
N200K80P80(10)_5	1.91	0.29	195.00	186.00	30708	31353
N200K80P80(10)_6	0.95	0.37	195.00	175.00	30843	31352
N200K80P80(10)_7	1.12	0.25	192.00	186.00	30782	31547
N200K80P80(10)_8	1.01	0.36	191.00	180.00	30723	31224
N200K80P80(10)_9	1.02	0.25	198.00	171.00	30829	31359
N200K80P80(10)_10	1.09	0.34	193.00	166.00	30526	31346
N200K100P50(1)_1	5.00	4.00	192.00	126.00	31272	9320
N200K100P50(1)_2	4.50	2.50	192.00	171.00	30156	10317
N200K100P50(1)_3	3.50	3.00	190.00	182.00	26060	15776
N200K100P50(1)_4	3.50	2.00	186.00	135.00	31662	11765
N200K100P50(1)_5	3.50	2.00	191.00	145.00	27277	16538
N200K100P50(1)_6	7.50	1.00	186.00	188.00	19568	26543
N200K100P50(1)_7	3.50	2.00	190.00	188.00	31593	10505
N200K100P50(1)_8	4.00	2.50	185.00	142.00	28824	14591
N200K100P50(1)_9	3.50	3.50	194.00	151.00	31130	13885
N200K100P50(1)_10	5.00	1.50	187.00	174.00	31424	21043
N200K100P50(2)_1	7.00	10.00	189.00	144.00	21685	11654
N200K100P50(2)_2	6.00	8.50	187.00	177.00	27653	13560
N200K100P50(2)_3	6.00	8.50	188.00	187.00	30437	11210
N200K100P50(2)_4	5.50	8.50	192.00	173.00	28052	9458
N200K100P50(2)_5	6.50	7.50	191.00	170.00	30463	12778
N200K100P50(2)_6	6.50	7.00	194.00	191.00	30416	13630
N200K100P50(2)_7	5.50	7.50	177.00	187.00	30236	17503
N200K100P50(2)_8	6.50	6.50	188.00	148.00	25855	15190
N200K100P50(2)_9	8.50	8.50	188.00	160.00	26738	10859
N200K100P50(2)_10	5.00	8.50	193.00	179.00	30562	13303
N200K100P50(3)_1	6.50	6.00	181.00	167.00	25721	10681
N200K100P50(3)_2	4.50	6.50	189.00	185.00	30870	10785
N200K100P50(3)_3	5.50	5.00	184.00	177.00	30774	15084
N200K100P50(3)_4	5.00	5.50	194.00	156.00	27642	17231
N200K100P50(3)_5	5.50	5.00	191.00	177.00	27927	14821
N200K100P50(3)_6 N200K100P50(3)_7	9.00	5.50 6.00	185.00 187.00	$\frac{172.00}{167.00}$	18306 20694	$\frac{12371}{14427}$
N200K100P50(3)_/ N200K100P50(3)_8	6.00	$\frac{6.00}{6.50}$	187.00	181.00	27552	16597
N200K100P50(3)_8 N200K100P50(3)_9	5.50	$\frac{0.50}{5.50}$	193.00	170.00	30752	11249
N200K100P50(3)_9 N200K100P50(3)_10	3.50	4.50	199.00	163.00	30914	16639
N200K100P50(3)_10	7.00	5.50	199.00	185.00	25547	14410
N200K100F30(4)_1 N200K100P50(4)_2	6.50	7.00	188.00	158.00	29472	7873
N200K100P50(4)_2 N200K100P50(4)_3	8.00	6.50	180.00	160.00	28422	10945
N200K100P50(4)_5 N200K100P50(4)_4	5.50	5.50	194.00	186.00	29741	11903
N200K100P50(4)_4 N200K100P50(4)_5	6.50	$\frac{5.50}{6.50}$	186.00	180.00	27887	11317
N200K100F50(4)_5	9.00	6.00	187.00	175.00	24496	11213
N200K100F30(4)_0 N200K100P50(4)_7	5.50	5.50	185.00	134.00	24490	9698
N200K100F30(4)_7 N200K100P50(4)_8	5.50	6.00	185.00	167.00	29436	16017
N200K100F50(4)_9	4.50	6.00	190.00	169.00	29451	13454
N200K100F50(4)_10	7.50	6.50	182.00	181.00	24608	$\frac{13454}{10657}$
N200K100P50(5)_1	4.00	2.50	191.00	176.00	28157	8428
N200K100F50(5)_2	3.50	3.00	196.00	170.00	29775	8441
11200111001 30(3)-2	0.00	9.00	100.00	110.00	20110	0441

I 4 #D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K100P50(5)_3	5.00	2.50	187.00	169.00	30051	8792
N200K100P50(5)_4	4.50	3.00	187.00	169.00	31129	8230
N200K100P50(5)_5	6.50	3.00	188.00	127.00	23931	7858
N200K100P50(5)_6	3.50	2.00	185.00	180.00	25362	13076
N200K100P50(5)_7	6.50	3.50	179.00	147.00	27698	7758
N200K100P50(5)_8	4.50	3.00	189.00	166.00	28585	8348
N200K100P50(5)_9	5.50	2.50	184.00	158.00	23515	13160
N200K100P50(5)_10	6.00	2.50	175.00	137.00	22334	11912
N200K100P50(6)_1	7.00	5.00	191.00	161.00	28120	7876
N200K100P50(6)_2	4.00	5.00	185.00	162.00	30738	7670
N200K100P50(6)_3	4.00	5.00	191.00	178.00	30536	7319
N200K100P50(6)_4	5.50	4.00	185.00	187.00	30599	12726
N200K100P50(6)_5	5.00	4.50	198.00	122.00	29699	10522
N200K100P50(6)_6	4.00	5.00	192.00	125.00	30670	7886
N200K100P50(6)_7	7.00	5.00	184.00	163.00	18564	7384
N200K100P50(6)_8	6.00	5.00	182.00	172.00	30757	7445
N200K100P50(6)_9	5.00	5.00	195.00	187.00	30643	7607
N200K100P50(6)_10	8.00	5.00	184.00	165.00	18869	7062
N200K100P50(7)_1	11.00	11.00	197.00	153.00	27300	11511
N200K100P50(7)_2	8.50	10.00	186.00	165.00	22289	14627
N200K100P50(7)_3	12.50	11.00	193.00	161.00	16967	10084
N200K100P50(7)_4	9.50	11.50	191.00	156.00	22731	8617
N200K100P50(7)_5	10.00	12.00	194.00	149.00	21092	9037
N200K100P50(7)_6	11.00	11.50	175.00	172.00	26367	8780
N200K100P50(7)_7	11.00	11.00	187.00	153.00	20849	8378
N200K100P50(7)_8	11.00	10.00	189.00	145.00	23012	16362
N200K100P50(7)_9	10.00	12.00	188.00	156.00	24420	7861
N200K100P50(7)_10 N200K100P50(8)_1	10.00	$\frac{12.50}{2.50}$	184.00 193.00	149.00 174.00	27209	7956 18660
N200K100P50(8)_1 N200K100P50(8)_2	5.50	$\frac{2.30}{2.00}$	187.00	169.00	20466 28164	18433
N200K100P50(8)_2 N200K100P50(8)_3	3.00	$\frac{2.00}{2.50}$	180.00	164.00	31249	12572
N200K100F50(8)_4	4.50	$\frac{2.50}{3.50}$	191.00	160.00	32265	12298
N200K100P50(8)_5	7.00	2.00	185.00	156.00	20689	20437
N200K100F50(8)_6	3.00	$\frac{2.50}{2.50}$	190.00	159.00	26035	14202
N200K100P50(8)_7	4.50	2.00	188.00	172.00	32279	15425
N200K100P50(8)_8	3.50	3.00	190.00	134.00	32600	15082
N200K100P50(8)_9	8.00	3.00	173.00	172.00	22136	13067
N200K100P50(8)_10	2.50	3.00	194.00	170.00	32654	16721
N200K100P50(9)_1	5.00	4.50	195.00	167.00	23969	12278
N200K100P50(9)_2	4.50	5.00	194.00	118.00	27292	11101
N200K100P50(9)_3	4.00	5.00	189.00	134.00	30131	8392
N200K100P50(9)_4	6.00	4.00	186.00	169.00	28432	12709
N200K100P50(9)_5	5.50	4.50	189.00	175.00	26162	10706
N200K100P50(9)_6	5.00	4.50	188.00	175.00	30246	9206
N200K100P50(9)_7	4.50	4.50	185.00	167.00	25580	9256
N200K100P50(9)_8	7.00	4.00	184.00	163.00	29435	11740
N200K100P50(9)_9	5.50	4.00	199.00	165.00	30201	16449
N200K100P50(9)_10	6.00	5.00	188.00	137.00	29947	8680
N200K100P50(10)_1	5.00	1.00	184.00	125.00	30707	13888
N200K100P50(10)_2	3.00	2.00	187.00	157.00	31049	10782
N200K100P50(10)_3	4.00	2.00	194.00	183.00	30857	13222
N200K100P50(10)_4	5.50	1.00	188.00	186.00	22068	21587
N200K100P50(10)_5	5.50	2.00	179.00	178.00	30633	12996
N200K100P50(10)_6	3.00	1.50	196.00	166.00	31209	11847
N200K100P50(10)_7	6.50	2.50	186.00	180.00	30535	13079
N200K100P50(10)_8	3.50	1.50	181.00	176.00	24955	11345
N200K100P50(10)_9	4.00	2.00	192.00	168.00	30959	14124

T 4 //D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K100P50(10)_10	5.00	2.50	182.00	152.00	30527	12901
N200K100P60(1)_1	5.40	4.80	186.00	148.00	25481	9580
N200K100P60(1)_2	4.80	4.20	181.00	128.00	27793	14110
N200K100P60(1)_3	4.20	3.60	193.00	158.00	31857	9801
N200K100P60(1)_4	4.20	3.00	187.00	168.00	23376	10593
N200K100P60(1)_5	6.00	3.60	194.00	173.00	28260	9240
N200K100P60(1)_6	1.80	2.40	190.00	189.00	31567	12035
N200K100P60(1)_7	2.40	4.80	188.00	164.00	27615	8866
N200K100P60(1)_8	5.40	3.60	186.00	144.00	28166	11258
N200K100P60(1)_9	7.80	4.80	187.00	121.00	22922	9450
N200K100P60(1)_10	3.00	4.20	192.00	154.00	31709	8978
N200K100P60(2)_1	7.20	9.00	186.00	193.00	29165	12740
N200K100P60(2)_2	7.20	10.80	189.00	184.00	21208	10760
N200K100P60(2)_3	6.60	9.00	189.00	171.00	27615	14742
N200K100P60(2)_4	7.20	9.60	185.00	193.00	30334	17153
N200K100P60(2)_5	7.80	7.80	189.00	130.00	23807	21209
N200K100P60(2)_6	9.60	10.20	178.00	128.00	30142	10323
N200K100P60(2)_7	9.60	6.60	186.00	186.00	25710	16015
N200K100P60(2)_8	7.20	8.40	194.00	152.00	28626	12783
N200K100P60(2)_9	6.00	10.80	192.00	145.00	30570	10069
N200K100P60(2)_10	9.60	9.60	187.00	179.00	23908	10890
N200K100P60(3)_1	4.20	6.60	187.00	181.00	30779	13871
N200K100P60(3)_2	6.00	8.40	187.00	148.00	27612	11136
N200K100P60(3)_3	7.80	7.20	177.00	181.00	30241	10822
N200K100P60(3)_4	6.00	6.00	191.00	136.00	27753	14951
N200K100P60(3)_5	6.00	7.20	182.00	136.00	27749	10584
N200K100P60(3)_6	7.20	7.20	187.00	164.00	26699	14531
N200K100P60(3)_7	4.80	5.40	183.00	161.00	30690	14525
N200K100P60(3)_8	4.20	7.80	193.00	138.00	30716	10887
N200K100P60(3)_9	6.00	6.60	187.00	163.00	30466	20829 22319
N200K100P60(3)_10 N200K100P60(4)_1	9.60	5.40 7.20	188.00 183.00	157.00 148.00	25406 21038	11194
N200K100P60(4)_1 N200K100P60(4)_2	9.00	6.60	191.00	135.00	24900	11194
N200K100F00(4)_2 N200K100P60(4)_3	7.80	8.40	191.00	164.00	27778	8914
N200K100P60(4)_4	8.40	8.40	185.00	161.00	23781	8829
N200K100P60(4)_5	8.40	8.40	189.00	156.00	23262	8634
N200K100P60(4)_6	6.60	7.20	191.00	176.00	28652	9292
N200K100P60(4)_7	10.80	8.40	186.00	149.00	22991	8196
N200K100P60(4)_8	8.40	7.20	180.00	149.00	25039	11978
N200K100P60(4)_9	7.80	7.20	189.00	180.00	25847	12670
N200K100P60(4)_10	7.80	8.40	190.00	155.00	29343	9664
N200K100P60(5)_1	5.40	3.60	189.00	175.00	27220	11096
N200K100P60(5)_2	6.60	2.40	188.00	144.00	29246	13881
N200K100P60(5)_3	4.80	3.00	184.00	164.00	25702	9072
N200K100P60(5)_4	4.80	3.60	193.00	174.00	30949	8849
N200K100P60(5)_5	6.60	3.60	182.00	166.00	25632	7416
N200K100P60(5)_6	4.80	2.40	191.00	120.00	28618	17018
N200K100P60(5)_7	6.60	3.00	190.00	160.00	30885	9346
N200K100P60(5)_8	5.40	3.00	197.00	139.00	29992	11863
N200K100P60(5)_9	5.40	3.00	195.00	119.00	21553	10419
N200K100P60(5)_10	8.40	3.00	187.00	146.00	24823	9297
N200K100P60(6)_1	7.20	6.00	193.00	168.00	22782	7594
N200K100P60(6)_2	8.40	6.00	175.00	160.00	22036	8667
N200K100P60(6)_3	8.40	6.00	189.00	181.00	21509	7851
N200K100P60(6)_4	6.60	6.00	193.00	167.00	30274	7438
N200K100P60(6)_5	4.20	6.00	196.00	183.00	30705	7573
N200K100P60(6)_6	6.00	6.00	188.00	140.00	30595	7198

I4 4D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K100P60(6)_7	9.00	6.00	184.00	174.00	23311	7298
N200K100P60(6)_8	7.80	6.00	184.00	143.00	26060	7612
N200K100P60(6)_9	8.40	5.40	187.00	162.00	21476	13254
N200K100P60(6)_10	8.40	6.00	184.00	148.00	28730	7663
N200K100P60(7)_1	13.20	13.20	191.00	137.00	22551	9312
N200K100P60(7)_2	13.80	13.80	194.00	144.00	17020	8781
N200K100P60(7)_3	13.20	13.80	190.00	144.00	23936	13212
N200K100P60(7)_4	12.00	12.00	194.00	166.00	24932	12696
N200K100P60(7)_5	10.80	12.60	186.00	166.00	27245	10180
N200K100P60(7)_6	15.60	13.80	188.00	161.00	16424	9757
N200K100P60(7)_7	13.20	13.80	185.00	151.00	20212	9522
N200K100P60(7)_8	13.20	13.20	184.00	168.00	26809	8691
N200K100P60(7)_9	14.40	12.00	182.00	155.00	22457	15976
N200K100P60(7) ₋ 10	11.40	12.00	194.00	128.00	27224	18268
N200K100P60(8)_1	3.00	3.60	185.00	152.00	31836	14239
N200K100P60(8)_2	3.60	2.40	197.00	175.00	28124	14323
N200K100P60(8)_3	6.60	5.40	186.00	172.00	24706	11492
N200K100P60(8)_4	4.20	3.60	191.00	140.00	32206	13613
N200K100P60(8)_5	6.00	3.60	194.00	163.00	20856	11219
N200K100P60(8)_6	4.20	3.00	184.00	157.00	29413	18167
N200K100P60(8)_7	5.40	4.80	195.00	183.00	27287	11278
N200K100P60(8)_8	3.00	4.80	185.00	153.00	32545	11258
N200K100P60(8)_9	4.20	4.20	188.00	152.00	26243	15944
N200K100P60(8)_10	2.40	3.60	192.00	159.00	32419	11809
N200K100P60(9)_1	8.40	6.60	183.00	133.00	26717	7974
N200K100P60(9)_2	6.60	5.40	190.00	163.00	30183	9086
N200K100P60(9)_3	7.80	5.40	184.00	180.00	30049	10409
N200K100P60(9)_4	9.60	6.60	193.00 196.00	162.00	21609	7774
N200K100P60(9)_5	7.20	6.00		161.00	23927	8533
N200K100P60(9)_6 N200K100P60(9)_7	4.20 6.60	4.80 5.40	186.00 193.00	146.00 158.00	30033	$\frac{10477}{10135}$
N200K100P60(9)_7 N200K100P60(9)_8	9.60	$\frac{5.40}{5.40}$	181.00	126.00	25488	13541
N200K100P60(9)_8 N200K100P60(9)_9	3.60	6.00	190.00	164.00	30281	8275
N200K100P60(9)_10	6.60	6.60	182.00	143.00	26544	11234
N200K100P60(10)_1	6.00	1.80	184.00	157.00	27349	15781
N200K100P60(10)_1 N200K100P60(10)_2	4.20	1.80	191.00	176.00	30617	15002
N200K100P60(10)_3	5.40	1.80	190.00	181.00	28389	12042
N200K100P60(10)_4	3.00	3.00	182.00	154.00	30479	8724
N200K100P60(10)_5	4.20	3.00	189.00	161.00	31122	10022
N200K100P60(10)_6	4.80	1.80	190.00	185.00	25180	10898
N200K100P60(10)_7	5.40	2.40	186.00	177.00	24389	10091
N200K100P60(10)_8	3.00	3.00	196.00	144.00	31019	17116
N200K100P60(10)_9	3.00	3.00	188.00	191.00	31052	13172
N200K100P60(10)_10	4.20	3.60	189.00	156.00	28464	9223
N200K100P70(1)_1	6.30	3.50	183.00	160.00	24832	13139
N200K100P70(1)_2	6.30	4.20	181.00	176.00	31212	11482
N200K100P70(1)_3	4.20	3.50	195.00	170.00	26431	12731
N200K100P70(1)_4	4.90	4.90	185.00	142.00	25883	17121
N200K100P70(1)_5	4.20	4.20	189.00	173.00	31559	9406
N200K100P70(1)_6	7.00	4.90	180.00	139.00	26805	10638
N200K100P70(1)_7	9.10	4.20	178.00	179.00	24650	9832
N200K100P70(1)_8	7.70	4.20	192.00	151.00	31276	13879
N200K100P70(1)_9	6.30	3.50	189.00	187.00	21175	10146
N200K100P70(1)_10	9.10	4.90	182.00	151.00	26003	8963
N200K100P70(2)_1	9.10	10.50	191.00	177.00	30466	13425
N200K100P70(2)_2	9.10	9.80	185.00	177.00	30515	10773
N200K100P70(2)_3	7.00	10.50	188.00	157.00	30449	11106

	Total lo	ss value	Number o	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K100P70(2)_4	9.10	9.80	195.00	168.00	30336	15927
N200K100P70(2)_5	10.50	9.80	188.00	165.00	30163	22539
N200K100P70(2)_6	9.80	9.10	190.00	182.00	25610	16018
N200K100P70(2)_7	9.80	9.80	186.00	155.00	30265	12370
N200K100P70(2)_8	6.30	9.80	189.00	183.00	30731	15992
N200K100P70(2)_9	12.60	8.40	194.00	156.00	23166	20135
N200K100P70(2)_10	9.80	10.50	184.00	181.00	29438	12866
N200K100P70(3)_1	4.90	7.70	194.00	170.00	29087	23941
N200K100P70(3)_2	7.00	10.50	193.00	168.00	28028	10939
N200K100P70(3)_3	4.90	10.50	193.00	149.00	30935	9534
N200K100P70(3)_4	9.10	8.40	188.00	141.00	30664	12769
N200K100P70(3)_5	6.30	7.70	191.00	173.00	28656	20864
N200K100P70(3)_6	6.30	7.70	184.00	186.00	30849	15222
N200K100P70(3)_7	10.50	7.00	193.00	159.00	30678	19957
N200K100P70(3)_8	8.40	7.70	179.00	133.00	26288	16236
N200K100P70(3)_9	4.90	7.70	192.00	167.00	30928	14414
N200K100P70(3)_10	10.50	7.00	194.00	171.00	26233	16778
N200K100P70(4)_1	9.80	11.20	188.00	126.00	19548	9850
N200K100P70(4)_2	9.10	11.20	185.00	157.00	21017	9112
N200K100P70(4)_3	10.50	7.70	188.00	172.00	26351	13215
N200K100P70(4)_4	12.60	9.80	189.00	157.00	17925	11222
N200K100P70(4)_5	7.70	7.00	195.00	179.00	29573	12546
N200K100P70(4)_6	8.40	8.40	191.00	182.00	23956	9113
N200K100P70(4)_7	13.30	9.80	183.00	168.00	21074	8521
N200K100P70(4)_8	9.10	7.70	185.00	176.00	28454	17016
N200K100P70(4)_9	12.60	8.40	194.00	150.00	18910	12221
N200K100P70(4)_10 N200K100P70(5)_1	10.50	8.40 3.50	190.00 190.00	160.00 163.00	26605 31318	10245 9043
N200K100P70(5)_1 N200K100P70(5)_2	4.90	$\frac{3.50}{3.50}$	189.00	166.00	31065	10083
N200K100F70(5)_2 N200K100P70(5)_3	7.70	4.20	189.00	163.00	31005	8162
N200K100F70(5)_4	9.80	4.20	189.00	137.00	21485	7878
N200K100P70(5)_5	4.90	4.90	185.00	148.00	31128	7461
N200K100P70(5)_6	7.70	3.50	189.00	173.00	30252	8317
N200K100P70(5)_7	7.00	3.50	187.00	150.00	30874	9692
N200K100P70(5)_8	7.00	4.20	182.00	126.00	25770	7923
N200K100P70(5)_9	7.70	4.20	185.00	128.00	20502	10862
N200K100P70(5)_10	6.30	2.80	187.00	170.00	27480	12682
N200K100P70(6)_1	7.70	7.00	192.00	170.00	23429	7815
N200K100P70(6)_2	11.90	5.60	189.00	164.00	16512	12970
N200K100P70(6)_3	7.70	7.00	191.00	147.00	23777	7431
N200K100P70(6)_4	5.60	7.00	194.00	134.00	27238	7213
N200K100P70(6)_5	7.00	7.00	185.00	172.00	30483	8529
N200K100P70(6)_6	6.30	7.00	191.00	158.00	30769	7545
N200K100P70(6)_7	9.10	7.00	189.00	189.00	23141	7328
N200K100P70(6)_8	9.10	7.00	167.00	172.00	30352	8842
N200K100P70(6)_9	8.40	7.00	196.00	110.00	24189	7535
N200K100P70(6)_10	7.70	7.00	186.00	146.00	30437	7733
N200K100P70(7)_1	12.60	16.10	191.00	151.00	27139	12157
N200K100P70(7)_2	13.30	15.40	171.00	177.00	22614	12592
N200K100P70(7)_3	14.70	16.10	183.00	170.00	24851	13289
N200K100P70(7)_4	13.30	14.00	196.00	156.00	27481	13370
N200K100P70(7)_5	15.40	15.40	183.00	145.00	23926	9385
N200K100P70(7)_6	15.40	15.40	190.00	186.00	27235	14352
N200K100P70(7)_7	13.30	16.10	187.00	174.00	24489	7806
N200K100P70(7)_8	15.40	14.00	193.00	153.00	15593	13617
N200K100P70(7)_9	14.00	15.40	192.00	165.00	24983	8394
N200K100P70(7)_10	14.00	16.80	185.00	165.00	20036	10143

I	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K100P70(8)_1	2.10	4.20	187.00	172.00	32153	10571
N200K100P70(8)_2	7.00	3.50	183.00	182.00	23608	15076
N200K100P70(8)_3	4.90	4.20	187.00	161.00	32522	12786
N200K100P70(8)_4	6.30	4.20	184.00	170.00	32410	15969
N200K100P70(8)_5	4.20	3.50	183.00	147.00	32129	12954
N200K100P70(8)_6	5.60	4.90	195.00	168.00	32118	9934
N200K100P70(8)_7	7.00	3.50	192.00	133.00	23968	19142
N200K100P70(8)_8	3.50	5.60	195.00	146.00	30892	9024
N200K100P70(8)_9	4.90	4.90	184.00	153.00	30960	10156
N200K100P70(8)_10	9.80	3.50	183.00	185.00	23841	14423
N200K100P70(9)_1	10.50	6.30	184.00	148.00	23366	9304
N200K100P70(9)_2	7.00	6.30	190.00	172.00	26035	16405
N200K100P70(9)_3	9.10	6.30	190.00	165.00	20819	9843
N200K100P70(9)_4	7.00	7.00	182.00	133.00	27971	8182
N200K100P70(9)_5	9.10	5.60	191.00	145.00	19690	12211
N200K100P70(9)_6	6.30	5.60	193.00	133.00	21940	18198
N200K100P70(9)_7	5.60	6.30	188.00	158.00	30147	8822
N200K100P70(9)_8	4.90	6.30	187.00	159.00	30389	9699
N200K100P70(9)_9	7.00	6.30	182.00	165.00	30281	8934
N200K100P70(9)_10	7.70	7.70	191.00	128.00	30079	8448
N200K100P70(10)_1	7.00	2.10	184.00	181.00	21261	13725
N200K100P70(10)_2	7.00	2.10	192.00	180.00	24180	10654
N200K100P70(10)_3	8.40	2.10	172.00	185.00	23936	13159
N200K100P70(10)_4	5.60	2.10	181.00	179.00	30630	13182
N200K100P70(10)_5	3.50	2.80	185.00	164.00	30636	10154
N200K100P70(10)_6	4.90	2.10	179.00	141.00	28720	17738
N200K100P70(10)_7	4.90	2.80	194.00	163.00	30770	9526
N200K100P70(10)_8	5.60	2.80	184.00	152.00	26170	16753
N200K100P70(10)_9 N200K100P70(10)_10	7.00	3.50	190.00	164.00	22699	9868
N200K100P70(10)_10 N200K100P80(1)_1	6.30 4.08	$\frac{3.50}{3.60}$	192.00 198.00	147.00 185.00	29620 32174	8637 33428
N200K100P80(1)_1 N200K100P80(1)_2	6.39	3.79	196.00	179.00	31932	33359
N200K100P80(1)_2 N200K100P80(1)_3	7.31	3.66	190.00	173.00	31898	33354
N200K100F80(1)_3 N200K100P80(1)_4	4.88	5.76	197.00	189.00	31917	33572
N200K100F80(1)_5	4.96	5.83	197.00	181.00	32128	33582
N200K100P80(1)_6	4.19	3.64	193.00	190.00	32134	33608
N200K100P80(1)_7	4.13	2.84	199.00	183.00	32260	33649
N200K100P80(1)_8	5.01	4.43	197.00	190.00	32094	33590
N200K100P80(1)_9	3.52	3.69	197.00	172.00	32016	33155
N200K100P80(1)_10	5.15	5.22	189.00	187.00	31792	33485
N200K100P80(2)_1	9.09	10.78	197.00	181.00	30847	31283
N200K100P80(2)_2	8.32	8.55	188.00	191.00	30945	31375
N200K100P80(2)_3	7.54	10.78	197.00	176.00	30982	31366
N200K100P80(2)_4	10.35	10.74	196.00	196.00	30829	31307
N200K100P80(2)_5	11.20	12.23	196.00	184.00	30929	31388
N200K100P80(2)_6	9.75	9.25	192.00	196.00	30760	31445
N200K100P80(2)_7	8.31	10.75	194.00	199.00	30967	31499
N200K100P80(2)_8	10.60	11.57	198.00	197.00	30677	31571
N200K100P80(2)_9	10.51	10.66	195.00	194.00	31057	31653
N200K100P80(2)_10	8.22	7.85	194.00	198.00	30713	31545
N200K100P80(3)_1	6.60	8.33	198.00	186.00	31315	31476
N200K100P80(3)_2	7.31	6.74	195.00	176.00	31114	31886
N200K100P80(3)_3	9.50	9.69	193.00	190.00	31025	31793
N200K100P80(3)_4	6.59	6.71	196.00	183.00	31191	31745
N200K100P80(3)_5	5.83	8.37	195.00	198.00	31154	31673
N200K100P80(3)_6	10.30	6.78	195.00	188.00	31094	31798
N200K100P80(3)_7	7.40	6.78	187.00	197.00	31080	31955

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K100P80(3)_8	7.45	9.09	188.00	186.00	30920	31922
N200K100P80(3)_9	7.36	6.76	187.00	190.00	31099	31786
N200K100P80(3)_10	8.03	6.77	188.00	186.00	31230	31873
N200K100P80(4)_1	10.53	9.33	193.00	192.00	29915	30642
N200K100P80(4)_2	11.21	14.61	193.00	188.00	29896	30622
N200K100P80(4)_3	9.69	23.81	198.00	199.00	29871	30394
N200K100P80(4)_4	9.57	$\frac{23.81}{12.33}$	196.00	188.00	30174	30788
N200K100P80(4)_5	11.24	22.95	189.00	190.00	29873	30757
N200K100P80(4)_6	9.73	$\frac{22.93}{16.17}$	199.00	192.00	29801	30686
N200K100F80(4)_7	10.41	9.33	197.00	188.00	29797	30991
N200K100P80(4)_7 N200K100P80(4)_8	8.43	9.33	194.00	186.00		30807
N200K100P80(4)_8 N200K100P80(4)_9	12.06	8.59	194.00	196.00	29940 29678	30863
N200K100P80(4)_10	12.62	9.44	195.00	187.00	29989	30542
N200K100P80(5)_1	5.66	3.71	200.00	199.00	31972	33134
N200K100P80(5)_2	7.24	4.42	197.00	182.00	31516	32968
N200K100P80(5)_3	6.39	2.95	196.00	193.00	31923	33146
N200K100P80(5)_4	5.09	3.05	191.00	183.00	31858	32770
N200K100P80(5)_5	6.60	3.01	195.00	179.00	31554	32972
N200K100P80(5)_6	6.50	3.10	194.00	193.00	31878	32917
N200K100P80(5)_7	5.17	3.77	200.00	196.00	31445	33178
N200K100P80(5)_8	6.54	4.68	190.00	181.00	31624	32712
N200K100P80(5)_9	5.72	5.93	190.00	179.00	31754	32833
N200K100P80(5)_10	5.03	4.54	199.00	193.00	31901	32919
N200K100P80(6)_1	8.96	7.66	191.00	176.00	30996	31271
N200K100P80(6)_2	7.36	8.89	197.00	195.00	31003	31626
N200K100P80(6)_3	9.77	9.66	195.00	187.00	31008	31455
N200K100P80(6)_4	8.14	8.57	194.00	188.00	31178	31389
N200K100P80(6)_5	7.39	7.41	193.00	194.00	30958	31287
N200K100P80(6)_6	5.04	8.12	189.00	196.00	31268	31508
N200K100P80(6)_7	8.21	7.45	198.00	195.00	31124	31558
N200K100P80(6)_8	7.57	12.06	191.00	194.00	30986	31155
N200K100P80(6)_9	10.41	6.55	197.00	199.00	31184	31724
N200K100P80(6)_10	8.07	7.34	199.00	195.00	31193	31537
N200K100P80(7)_1	16.10	13.15	195.00	170.00	27528	28344
N200K100P80(7)_2	15.18	15.36	192.00	192.00	27523	28542
N200K100P80(7)_3	15.19	13.79	189.00	195.00	27681	28624
N200K100P80(7)_4	15.18	18.41	199.00	192.00	27779	28405
N200K100P80(7)_5	15.95	15.34	191.00	199.00	27640	28631
N200K100P80(7)_6	16.74	16.93	187.00	197.00	27670	28679
N200K100P80(7)_7	16.03	16.10	187.00	200.00	27442	28593
N200K100P80(7)_8	14.32	16.90	191.00	193.00	27700	28758
N200K100P80(7)_9	16.64	13.97	194.00	184.00	27558	28297
N200K100P80(7)_10	14.40	14.75	194.00	195.00	27775	28399
N200K100P80(8)_1	7.06	2.62	197.00	193.00	33003	33657
N200K100P80(8)_2	4.90	4.79	196.00	166.00	33279	33469
N200K100P80(8)_3	4.78	3.30	189.00	199.00	33166	33746
N200K100P80(8)_4	5.04	4.09	175.00	181.00	32686	33641
N200K100P80(8)_5	4.76	3.30	195.00	186.00	33130	33546
N200K100P80(8)_6	5.52	4.76	191.00	196.00	33384	33618
N200K100P80(8)_7	4.15	5.47	192.00	191.00	33349	33838
N200K100P80(8)_8	5.52	4.04	196.00	182.00	33212	33606
N200K100P80(8)_9	4.73	4.07	188.00	189.00	33213	33610
N200K100P80(8)_10	2.52	4.15	189.00	188.00	33272	33666
N200K100P80(9)_1	5.81	5.11	193.00	189.00	30784	32204
N200K100P80(9)_2	6.46	4.40	192.00	195.00	30963	32094
N200K100P80(9)_3	7.28	5.87	190.00	179.00	30655	32128
N200K100P80(9)_4	8.88	18.82	198.00	198.00	30637	31863
1120011100100(7)	1 0.00	10.02	100.00	100.00	55051	01000

T4 #D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K100P80(9)_5	7.98	7.27	192.00	176.00	30918	32171
N200K100P80(9)_6	6.56	5.88	195.00	190.00	30915	32040
N200K100P80(9)_7	6.49	7.22	196.00	189.00	30723	32198
N200K100P80(9)_8	8.83	17.23	187.00	195.00	30855	31920
N200K100P80(9)_9	5.97	7.31	195.00	198.00	30612	32142
N200K100P80(9)_10	7.34	5.00	188.00	194.00	30777	32325
N200K100P80(10)_1	5.00	7.16	197.00	197.00	31679	32331
N200K100P80(10)_2	6.48	2.61	196.00	167.00	31443	32102
N200K100P80(10)_3	5.76	4.90	196.00	180.00	31375	32249
N200K100P80(10)_4	7.11	2.75	196.00	174.00	31437	32186
N200K100P80(10)_5	4.78	4.81	190.00	198.00	31278	32419
N200K100P80(10)_6	5.54	3.33	197.00	191.00	31518	32302
N200K100P80(10)_7	4.03	3.43	194.00	173.00	31665	32137
N200K100P80(10)_8	4.24	4.13	194.00	186.00	31625	32159
N200K100P80(10)_9	3.45	3.39	193.00	170.00	31340	32051
N200K100P80(10)_10	5.87	2.66	199.00	198.00	31156	32301
N200K120P50(1)_1	6.50	8.50	192.00	179.00	32844	18067
N200K120P50(1)_2	9.50	10.00	188.00	152.00	30213	19414
N200K120P50(1)_3	10.00	8.00	189.00	180.00	26529	20529
N200K120P50(1)_4	8.50	8.00	188.00	181.00	32376	14525
N200K120P50(1)_5	7.50	9.50	190.00	147.00	32459	12100
N200K120P50(1)_6	10.00	9.50	188.00	184.00	32451	15031
N200K120P50(1)_7	10.00	8.00	188.00	181.00	28336	19410
N200K120P50(1)_8	11.50	8.00	184.00	169.00	25818	15148
N200K120P50(1)_9	7.50	10.00	185.00	164.00	32316	10700
N200K120P50(1)_10	10.50	9.00	195.00	184.00	30903	24564
N200K120P50(2)_1 N200K120P50(2)_2	14.50 12.50	13.00 15.00	192.00 196.00	180.00 177.00	31164 31369	23060 17913
N200K120F30(2)_2 N200K120P50(2)_3	12.50	$\frac{13.00}{14.00}$	193.00	157.00	31065	18324
N200K120F50(2)_3 N200K120P50(2)_4	14.00	13.00	181.00	169.00	24734	22236
N200K120F50(2)_5	15.00	14.00	189.00	175.00	27494	18276
N200K120P50(2)_6	14.00	14.00	195.00	186.00	25162	18421
N200K120P50(2)_7	12.50	13.50	199.00	187.00	30924	24324
N200K120P50(2)_8	14.00	14.50	191.00	170.00	26795	11015
N200K120P50(2)_9	13.50	14.50	197.00	154.00	26842	20621
N200K120P50(2)_10	14.00	13.50	194.00	187.00	17087	22824
N200K120P50(3)_1	13.50	13.00	187.00	183.00	26245	17611
N200K120P50(3)_2	10.50	11.00	192.00	171.00	31401	18329
N200K120P50(3)_3	10.00	11.00	193.00	175.00	31824	23205
N200K120P50(3)_4	11.50	12.50	192.00	178.00	31528	15302
N200K120P50(3)_5	8.50	12.50	181.00	163.00	31617	16127
N200K120P50(3)_6	10.50	12.50	193.00	162.00	31587	13820
N200K120P50(3)_7	11.50	13.00	187.00	157.00	30511	23763
N200K120P50(3)_8	12.00	12.00	179.00	178.00	23540	17079
N200K120P50(3)_9	11.00	12.00	191.00	155.00	31755	21941
N200K120P50(3)_10	12.50	11.50	195.00	164.00	31750	22022
N200K120P50(4)_1	15.50	13.00	187.00	193.00	30190	20060
N200K120P50(4)_2	14.00	13.50	192.00	172.00	26851	12436
N200K120P50(4)_3	12.00	14.50	197.00	159.00	30565	10534
N200K120P50(4)_4	13.00	13.50	194.00	177.00	30350	13033
N200K120P50(4)_5	11.50	13.00	196.00	169.00	30502	11746
N200K120P50(4)_6	12.50	14.00	195.00	160.00	30555	10149
N200K120P50(4)_7	12.50	14.00	191.00	177.00	25619	21941
N200K120P50(4)_8	15.00	13.00	181.00	164.00	30139	22000
N200K120P50(4)_9	14.50	13.50	194.00	152.00	23975	11592
N200K120P50(4)_10	14.00	14.50	191.00	188.00	26401	12600
N200K120P50(5)_1	9.00	7.50	183.00	182.00	32165	17968

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K120P50(5)_2	10.00	9.00	196.00	172.00	28496	13981
N200K120P50(5)_3	9.00	9.00	186.00	185.00	31964	10939
N200K120P50(5)_4	10.50	9.00	189.00	191.00	31820	10019
N200K120P50(5)_5	10.00	9.00	192.00	181.00	29234	10712
N200K120P50(5)_6	9.50	8.50	193.00	170.00	32079	11787
N200K120P50(5)_7	9.00	8.50	190.00	186.00	32141	15768
N200K120P50(5)_8	8.50	8.50	194.00	159.00	28405	17448
N200K120P50(5)_9	10.00	8.50	191.00	193.00	32000	18620
N200K120P50(5)_10	11.50	8.50	195.00	161.00	26089	20065
N200K120P50(6)_1	9.50	13.00	191.00	193.00	32095	8978
N200K120P50(6)_2	11.50	13.50	198.00	181.00	32010	9359
N200K120P50(6)_3	12.00	12.50	188.00	179.00	28540	14308
N200K120P50(6)_4	12.50	12.00	192.00	144.00	22597	12884
N200K120P50(6)_5	11.00	12.50	187.00	146.00	31908	13581
N200K120P50(6)_6	11.50	13.00	187.00	182.00	31975	10069
N200K120P50(6)_7	10.50	12.50	198.00	166.00	31911	13468
N200K120P50(6)_8	13.50	12.00	198.00	186.00	25257	14622
N200K120P50(6)_9	12.50	13.00	194.00	184.00	25882	9768
N200K120P50(6)_10	13.50	12.50	185.00	145.00	27362	10064
N200K120P50(7)_1	18.50	18.50	179.00	178.00	21036	16863
N200K120P50(7)_2	19.00	20.50	186.00	168.00	21748	9953
N200K120P50(7)_3	19.50	19.50	187.00	159.00	28221	16301
N200K120P50(7)_4	19.00	18.50	188.00	164.00	27328	13230
N200K120P50(7)_5	18.00	18.50	190.00	166.00	28307	16202
N200K120P50(7)_6	20.00	20.00	190.00	186.00	21223	11174
N200K120P50(7)_7	16.50	18.50	189.00	167.00	22852	19890
N200K120P50(7)_8	16.50	19.50	193.00	174.00	27806	12452
N200K120P50(7)_9	20.00	20.00	188.00	158.00	26191	11759
N200K120P50(7)_10 N200K120P50(8)_1	20.00 9.50	19.50	187.00 188.00	165.00 186.00	19221	13012
N200K120P50(8)_1 N200K120P50(8)_2	9.50	$\frac{11.00}{10.50}$	195.00	175.00	28681 33006	$\frac{14858}{14957}$
N200K120F50(8)_3	7.50	10.50	185.00	154.00	33008	14133
N200K120F50(8)_4	8.50	10.00	196.00	172.00	33404	18549
N200K120F50(8)_5	9.00	10.50	189.00	146.00	28405	18970
N200K120P50(8)_6	7.50	11.00	192.00	191.00	28842	15458
N200K120P50(8)_7	10.50	10.50	196.00	181.00	27822	17021
N200K120P50(8)_8	8.50	11.50	194.00	192.00	32981	10888
N200K120P50(8)_9	8.50	10.50	189.00	186.00	32822	13543
N200K120P50(8)_10	10.00	10.00	184.00	161.00	28153	20730
N200K120P50(9)_1	9.00	10.50	187.00	155.00	31394	23744
N200K120P50(9)_2	11.00	11.00	195.00	151.00	26503	14687
N200K120P50(9)_3	12.50	11.50	192.00	152.00	22392	16371
N200K120P50(9)_4	9.50	10.50	198.00	168.00	31381	16161
N200K120P50(9)_5	11.00	10.50	189.00	171.00	27279	19498
N200K120P50(9)_6	11.00	10.50	194.00	170.00	31110	14345
N200K120P50(9)_7	9.50	11.00	190.00	153.00	27447	18297
N200K120P50(9)_8	11.00	11.00	187.00	159.00	25814	20211
N200K120P50(9)_9	10.00	11.50	193.00	156.00	31422	11347
N200K120P50(9)_10	13.50	12.50	184.00	153.00	31025	16301
N200K120P50(10)_1	10.00	9.50	194.00	171.00	31873	17710
N200K120P50(10)_2	10.50	9.50	191.00	172.00	24192	12212
N200K120P50(10)_3	9.00	8.50	198.00	152.00	32076	21750
N200K120P50(10)_4	8.00	9.00	192.00	167.00	30265	15017
N200K120P50(10)_5	9.50	10.00	188.00	189.00	31714	12504
N200K120P50(10)_6	10.00	9.00	192.00	174.00	31876	14297
N200K120P50(10)_7	7.50	8.50	191.00	164.00	31990	14025
N200K120P50(10)_8	10.00	9.00	187.00	176.00	31780	13037
N200K120P50(10)_1 N200K120P50(10)_2 N200K120P50(10)_3 N200K120P50(10)_4 N200K120P50(10)_5 N200K120P50(10)_6 N200K120P50(10)_7	10.00 10.50 9.00 8.00 9.50 10.00 7.50	9.50 9.50 8.50 9.00 10.00 9.00 8.50	194.00 191.00 198.00 192.00 188.00 192.00 191.00	171.00 172.00 152.00 167.00 189.00 174.00 164.00	31873 24192 32076 30265 31714 31876 31990	1771 1221 2175 1501 1250 1429 1402

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K120P50(10)_9	13.50	10.00	195.00	179.00	25796	11260
N200K120P50(10)_10	9.50	9.00	195.00	179.00	32000	11059
N200K120P60(1)_1	10.80	9.00	197.00	158.00	30595	21757
N200K120P60(1)_2	10.80	10.80	191.00	183.00	32516	23013
N200K120P60(1)_3	12.00	11.40	192.00	160.00	25708	13419
N200K120P60(1)_4	9.60	11.40	192.00	143.00	32860	17947
N200K120P60(1)_5	10.80	11.40	195.00	168.00	32584	15963
N200K120P60(1)_6	11.40	10.20	197.00	189.00	28675	20172
N200K120P60(1)_7	8.40	10.80	190.00	166.00	32641	16592
N200K120P60(1)_8	10.80	10.80	190.00	168.00	32711	16748
N200K120P60(1)_9	11.40	10.80	193.00	190.00	32822	15391
N200K120P60(1)_10	12.00	10.80	183.00	152.00	32284	18525
N200K120P60(2)_1	15.60	16.20	192.00	174.00	26899	21710
N200K120P60(2)_2	15.60	19.20	187.00	192.00	31273	13878
N200K120P60(2)_3	14.40	16.80	192.00	173.00	26006	14132
N200K120P60(2)_4	13.80	16.20	195.00	174.00	30329	24663
N200K120P60(2)_5	13.80	16.80	195.00	159.00	31424	15345
N200K120P60(2)_6	14.40	16.80	199.00	175.00	31521	19813
N200K120P60(2)_7 N200K120P60(2)_8	15.60	18.60	198.00	183.00	23390	14844
N200K120P60(2)_8 N200K120P60(2)_9	15.60 16.20	16.20 17.40	196.00 188.00	159.00 188.00	28982	$\frac{17986}{12255}$
N200K120P60(2)_9 N200K120P60(2)_10	14.40	15.60	190.00	164.00	26693 31697	20287
N200K120P60(2)_10	13.80	$\frac{13.00}{13.20}$	187.00	172.00	25792	25951
N200K120F00(3)_1 N200K120P60(3)_2	13.80	12.60	193.00	180.00	29361	30453
N200K120F00(3)_2 N200K120P60(3)_3	16.80	13.80	186.00	164.00	22441	19351
N200K120P60(3)_4	13.20	13.20	190.00	162.00	30196	24954
N200K120P60(3)_5	13.20	12.60	190.00	183.00	31431	22889
N200K120P60(3)_6	14.40	13.20	192.00	159.00	27866	21896
N200K120P60(3)_7	13.20	13.80	193.00	164.00	26302	24956
N200K120P60(3)_8	13.20	12.60	190.00	162.00	26675	23302
N200K120P60(3)_9	12.60	14.40	193.00	182.00	30406	15212
N200K120P60(3)_10	14.40	13.80	189.00	179.00	24449	15541
N200K120P60(4)_1	16.20	15.60	183.00	195.00	28188	20014
N200K120P60(4)_2	16.80	15.60	191.00	195.00	30238	12756
N200K120P60(4)_3	16.80	16.20	185.00	168.00	30113	19269
N200K120P60(4)_4	15.60	15.00	195.00	180.00	20531	21063
N200K120P60(4)_5	15.60	15.00	184.00	168.00	30300	13870
N200K120P60(4)_6	14.40	17.40	190.00	177.00	30470	10694
N200K120P60(4)_7	14.40	17.40	189.00	163.00	30606	11292
N200K120P60(4)_8	14.40	16.20	195.00	169.00	28594	18772
N200K120P60(4)_9	13.80	15.00	189.00	174.00	30449	15932
N200K120P60(4)_10	16.20	17.40	189.00	159.00	30327	13636
N200K120P60(5)_1	11.40	10.20	186.00	179.00	31791	14978
N200K120P60(5)_2	12.00	9.60	195.00	149.00	31059	21810
N200K120P60(5)_3	10.80	9.60	190.00	180.00	32068	15935
N200K120P60(5)_4	13.20	9.60	192.00	174.00	28168	18418
N200K120P60(5)_5	12.60	10.20	187.00	164.00	32017	13133
N200K120P60(5)_6	12.60	10.20	192.00	161.00	32075	10743
N200K120P60(5)_7 N200K120P60(5)_8	9.60	9.60	194.00 182.00	168.00 175.00	32258 32219	18950 11108
N200K120P60(5)_8 N200K120P60(5)_9	10.20	9.60	182.00	175.00	32219	14787
N200K120P60(5)_9 N200K120P60(5)_10	10.20	10.20	186.00	166.00	31971	21375
N200K120P60(5)_10	13.80	15.00	188.00	153.00	31614	11761
N200K120P60(6)_1 N200K120P60(6)_2	15.00	$\frac{15.00}{15.00}$	190.00	178.00	25218	11266
N200K120F00(6)_2 N200K120P60(6)_3	16.20	14.40	196.00	138.00	21488	16756
N200K120F60(6)_4	13.80	$\frac{14.40}{15.60}$	195.00	174.00	31817	10187
N200K120P60(6)_5	13.20	15.00	198.00	175.00	31899	8472
11200111201 00(0)-3	10.20	10.00	100.00	110.00	91099	0114

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K120P60(6)_6	13.20	15.00	193.00	175.00	31709	9223
N200K120P60(6)_7	14.40	14.40	195.00	180.00	31942	21064
N200K120P60(6)_8	14.40	14.40	189.00	150.00	26240	10593
N200K120P60(6)_9	13.20	15.60	192.00	189.00	27603	15934
N200K120P60(6)_10	13.80	15.60	191.00	143.00	28359	12733
N200K120P60(7)_1	21.60	23.40	186.00	166.00	28102	11072
N200K120P60(7)_2	21.60	25.20	192.00	180.00	18548	11108
N200K120P60(7)_3	24.00	24.60	193.00	175.00	25103	9321
N200K120P60(7)_4	21.60	22.80	190.00	180.00	22955	13774
N200K120P60(7)_5	22.20	22.80	190.00	184.00	23697	19040
N200K120P60(7)_6	21.60	22.20	194.00	175.00	27570	22169
N200K120P60(7)_7	23.40	22.80	179.00	182.00	20741	15298
N200K120P60(7)_8	24.00	22.80	184.00	166.00	23400	16303
N200K120P60(7)_9	21.00	23.40	194.00	161.00	18328	14061
N200K120P60(7)_10	20.40	22.80	191.00	174.00	24988	12932
N200K120P60(8) ₋ 1	11.40	13.20	192.00	165.00	25395	16540
N200K120P60(8)_2	9.00	12.00	189.00	155.00	32513	17540
N200K120P60(8)_3	12.00	13.20	190.00	169.00	26896	13791
N200K120P60(8)_4	10.80	11.40	192.00	150.00	28808	25811
N200K120P60(8)_5	12.00	12.60	185.00	188.00	33023	19742
N200K120P60(8)_6	11.40	12.60	186.00	165.00	31823	15934
N200K120P60(8)_7	10.20	9.60	193.00	148.00	33277	20559
N200K120P60(8)_8	13.20	12.00	182.00	173.00	29978	22988
N200K120P60(8)_9	10.80	11.40	194.00	174.00	31637	20315
N200K120P60(8)_10	11.40	12.60	190.00	163.00	29209	15259
N200K120P60(9)_1	15.60	14.40	190.00	176.00	26242	10476
N200K120P60(9)_2 N200K120P60(9)_3	12.60 15.60	12.60 13.80	190.00 195.00	159.00 180.00	31409 21896	10967 9617
N200K120P60(9)_3 N200K120P60(9)_4	12.00	12.00	193.00	185.00	30456	19713
N200K120F60(9)_5	10.20	12.60	192.00	186.00	31779	15589
N200K120P60(9)_6	13.20	13.20	192.00	152.00	31284	14563
N200K120P60(9)_7	10.20	$\frac{13.20}{14.40}$	193.00	178.00	31391	10189
N200K120P60(9)_8	13.20	13.20	198.00	167.00	31358	18111
N200K120P60(9)_9	14.40	14.40	183.00	172.00	31282	11418
N200K120P60(9)_10	12.00	12.60	195.00	177.00	31336	12877
N200K120P60(10)_1	14.40	10.20	188.00	186.00	25966	17879
N200K120P60(10)_2	14.40	10.20	182.00	165.00	31520	15529
N200K120P60(10)_3	12.00	9.60	191.00	169.00	31528	14621
N200K120P60(10)_4	12.00	10.20	194.00	183.00	31890	15180
N200K120P60(10)_5	11.40	10.20	193.00	165.00	28225	17049
N200K120P60(10)_6	11.40	11.40	191.00	177.00	27266	11462
N200K120P60(10)_7	11.40	10.20	197.00	183.00	31825	11301
N200K120P60(10)_8	12.60	11.40	191.00	182.00	25687	11998
N200K120P60(10)_9	15.00	10.80	191.00	174.00	24718	17756
N200K120P60(10)_10	13.20	9.60	191.00	179.00	23043	15329
N200K120P70(1)_1	14.70	14.00	190.00	150.00	26330	20099
N200K120P70(1)_2	11.90	12.60	186.00	138.00	32856	20328
N200K120P70(1)_3	11.90	14.70	194.00	181.00	32313	13363
N200K120P70(1)_4	11.90	13.30	182.00	163.00	32524	12041
N200K120P70(1)_5	11.20	14.00	184.00	150.00	32853	16673
N200K120P70(1)_6	14.70	12.60	191.00	155.00	22761	12319
N200K120P70(1)_7	14.00	14.00	197.00	164.00	28264	19570
N200K120P70(1)_8	12.60	12.60	190.00	174.00	31818	16509
N200K120P70(1)_9	11.90	13.30	190.00	193.00	32696	13257
N200K120P70(1)_10	11.90	14.70	195.00	174.00	32214	15524
N200K120P70(2)_1	17.50	18.20	184.00	168.00	30135	22974
N200K120P70(2)_2	18.90	18.90	193.00	175.00	31226	22943

T / UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K120P70(2)_3	20.30	18.20	184.00	182.00	22666	21100
N200K120P70(2)_4	16.80	17.50	196.00	162.00	31532	20654
N200K120P70(2)_5	17.50	17.50	196.00	169.00	30292	18060
N200K120P70(2)_6	16.10	16.80	191.00	169.00	30645	30583
N200K120P70(2)_7	19.60	18.90	192.00	161.00	31171	22051
N200K120P70(2)_8	21.00	19.60	190.00	160.00	26033	18462
N200K120P70(2)_9	18.20	19.60	193.00	190.00	31222	20949
N200K120P70(2)_10	23.10	16.10	190.00	170.00	19165	27582
N200K120P70(3)_1	14.70	17.50	196.00	162.00	25361	18898
N200K120P70(3)_2	16.10	16.10	188.00	163.00	25479	16067
N200K120P70(3)_3	16.10	17.50	185.00	170.00	28478	14985
N200K120P70(3)_4	15.40	14.70	194.00	155.00	31507	22404
N200K120P70(3)_5	18.20	14.70	189.00	169.00	24805	19081
N200K120P70(3)_6	15.40	16.80	198.00	170.00	31536	14673
N200K120P70(3)_7	14.70	17.50	199.00	178.00	27630	15671
N200K120P70(3)_8	14.00	14.70	191.00	178.00	31500	16429
N200K120P70(3)_9	15.40	16.80	181.00	171.00	31029	19458
N200K120P70(3)_10	20.30	16.80	194.00	158.00	24177	18116
N200K120P70(4)_1	19.60	19.60	199.00	193.00	20329	11420
N200K120P70(4)_2	18.90	21.00	188.00	156.00	30306	11421
N200K120P70(4)_3	19.60	19.60	185.00	162.00	21662	11963
N200K120P70(4)_4	18.90	17.50	194.00	193.00	25121	18119
N200K120P70(4)_5	19.60	18.90	186.00	146.00	24237	12579
N200K120P70(4)_6	16.10	19.60	190.00	167.00	30577	15669
N200K120P70(4)_7	18.90	18.90	197.00	167.00	25933	16432
N200K120P70(4)_8	23.10	18.20	188.00	157.00	23576	22506
N200K120P70(4)_9	17.50	17.50	193.00	190.00	30541	20490
N200K120P70(4)_10	23.80	18.90	194.00	160.00	18441	18901
N200K120P70(5)_1 N200K120P70(5)_2	17.50 11.20	$\frac{10.50}{14.00}$	188.00 193.00	174.00 146.00	26212 32206	26737
N200K120P70(5)_2 N200K120P70(5)_3	9.80	14.00	193.00	166.00	32275	9956 9967
N200K120F70(5)_4	13.30	11.90	193.00	179.00	31204	16243
N200K120F70(5)_5	14.70	12.60	193.00	192.00	28942	11620
N200K120F70(5)_6	14.70	10.50	193.00	180.00	25352	19807
N200K120P70(5)_7	12.60	14.00	186.00	188.00	27401	9992
N200K120P70(5)_8	10.50	12.60	191.00	176.00	32405	10703
N200K120P70(5)_9	14.00	12.60	190.00	171.00	32026	12128
N200K120P70(5)_10	16.10	11.90	194.00	178.00	31036	14217
N200K120P70(6)_1	16.80	18.20	185.00	179.00	31736	14388
N200K120P70(6)_2	14.00	15.40	189.00	177.00	32053	22271
N200K120P70(6)_3	17.50	17.50	192.00	158.00	23333	9442
N200K120P70(6)_4	17.50	18.20	188.00	174.00	27308	9197
N200K120P70(6)_5	18.20	17.50	191.00	181.00	30024	10532
N200K120P70(6)_6	17.50	16.10	192.00	159.00	28435	12537
N200K120P70(6)_7	16.80	16.80	189.00	166.00	31689	10919
N200K120P70(6)_8	16.80	19.60	194.00	181.00	21318	10604
N200K120P70(6)_9	14.70	16.80	190.00	143.00	31693	16342
N200K120P70(6)_10	16.80	16.80	194.00	190.00	31474	18928
N200K120P70(7)_1	25.20	28.00	189.00	153.00	28364	15023
N200K120P70(7)_2	25.20	30.10	198.00	171.00	28178	12677
N200K120P70(7)_3	25.20	27.30	194.00	153.00	27171	18128
N200K120P70(7)_4	23.10	26.60	190.00	165.00	28635	16362
N200K120P70(7)_5	22.40	24.50	183.00	172.00	28274	19395
N200K120P70(7)_6	23.80	29.40	188.00	179.00	28449	10707
N200K120P70(7)_7	26.60	29.40	181.00	190.00	20532	9893
N200K120P70(7)_8	23.80	28.70	191.00	157.00	26258	12602
N200K120P70(7)_9	23.10	27.30	184.00	172.00	24900	13370

Instance_#Run Total loss value GA Number of active MDs GA N200K120P70(7)_10 24.50 27.30 185.00 156.00 N200K120P70(8)_1 14.00 14.00 197.00 181.00 N200K120P70(8)_2 13.30 14.70 186.00 142.00 N200K120P70(8)_3 14.70 13.30 177.00 156.00 N200K120P70(8)_4 14.00 14.70 189.00 156.00 N200K120P70(8)_5 14.00 12.60 187.00 169.00	GA 28144 30503 30616 32599 29895 28397 25044	GGA 12743 18332 14595 26351 14902
N200K120P70(8)_1 14.00 14.00 197.00 181.00 N200K120P70(8)_2 13.30 14.70 186.00 142.00 N200K120P70(8)_3 14.70 13.30 177.00 156.00 N200K120P70(8)_4 14.00 14.70 189.00 156.00 N200K120P70(8)_5 14.00 12.60 187.00 169.00	30503 30616 32599 29895 28397 25044	18332 14595 26351
N200K120P70(8)_2 13.30 14.70 186.00 142.00 N200K120P70(8)_3 14.70 13.30 177.00 156.00 N200K120P70(8)_4 14.00 14.70 189.00 156.00 N200K120P70(8)_5 14.00 12.60 187.00 169.00	30616 32599 29895 28397 25044	14595 26351
N200K120P70(8)_3 14.70 13.30 177.00 156.00 N200K120P70(8)_4 14.00 14.70 189.00 156.00 N200K120P70(8)_5 14.00 12.60 187.00 169.00	32599 29895 28397 25044	26351
N200K120P70(8)_4 14.00 14.70 189.00 156.00 N200K120P70(8)_5 14.00 12.60 187.00 169.00	29895 28397 25044	
N200K120P70(8)_5 14.00 12.60 187.00 169.00	28397 25044	14902
· ·	25044	-
**************************************		24083
N200K120P70(8)_6 14.00 14.00 189.00 171.00		14002
N200K120P70(8)_7 13.30	26229	19234
N200K120P70(8)_8 13.30 14.00 191.00 163.00	27285	17545
N200K120P70(8)_9 15.40 14.70 193.00 174.00	21988	18534
N200K120P70(8)_10	25499	18205
N200K120P70(9)_1 16.10 14.70 186.00 168.00	27285	14761
N200K120P70(9)_2 14.70 14.70 189.00 165.00	27429	13568
N200K120P70(9)_3 12.60 16.10 189.00 168.00	31433	12488
N200K120P70(9)_4 15.40 14.70 188.00 175.00	27511	18671
N200K120P70(9)_5 13.30 16.80 195.00 156.00	27843	10862
N200K120P70(9)_6 18.20 14.00 186.00 166.00	29435	20601
N200K120P70(9)_7 16.10 14.70 195.00 169.00	31129	20380
N200K120P70(9)_8 12.60 16.10 199.00 179.00	31624	16480
N200K120P70(9)_9 16.80 18.90 190.00 161.00	31208	9071
N200K120P70(9)_10 11.90 14.70 189.00 166.00	31356	22762
N200K120P70(10)_1 18.90 12.60 190.00 180.00	26033	11830
N200K120P70(10)_2	31880	15013
N200K120P70(10)_3 14.00 12.60 184.00 191.00	30957	16866
N200K120P70(10)_4 15.40 14.70 191.00 165.00	21567	10339
N200K120P70(10)_5 13.30 11.90 189.00 157.00	31849	21153
N200K120P70(10)_6	31939	14647
N200K120P70(10) -7	27601	27312
N200K120P70(10)_8 15.40 13.30 189.00 177.00 N200K120P70(10)_9 16.10 13.30 191.00 173.00	31802	10741
N200K120P70(10)_9 10.10 13.30 191.00 173.00 N200K120P70(10)_10 12.60 12.60 186.00 169.00	28896 30086	$\frac{11066}{16527}$
N200K120F80(1)_1 14.87 12.93 197.00 195.00	32984	34368
N200K120F80(1)_2 13.98 12.86 188.00 198.00	33102	34387
N200K120P80(1)_3 15.64 14.37 198.00 192.00	32969	34266
N200K120P80(1)_4 14.93 12.93 195.00 193.00	32638	34536
N200K120P80(1)_5 13.34 12.89 197.00 187.00	32943	34268
N200K120P80(1)_6 13.40 12.79 193.00 186.00	32413	34279
N200K120P80(1)_7 16.41 15.17 194.00 194.00	32683	34325
N200K120P80(1)_8 14.93 13.66 195.00 182.00	32418	34111
N200K120P80(1)_9 15.66 12.08 196.00 187.00	32638	34301
N200K120P80(1)_10	32860	34371
N200K120P80(2)_1 21.03 20.98 194.00 192.00	31460	32386
N200K120P80(2)_2 20.29 19.65 191.00 197.00	31704	32231
N200K120P80(2)_3 20.97 21.06 199.00 198.00	31691	31901
N200K120P80(2)_4 21.80 21.21 190.00 188.00	31536	32018
N200K120P80(2)_5 19.62 22.49 198.00 197.00	31467	31981
N200K120P80(2)_6 19.59 18.00 198.00 196.00	31498	32222
N200K120P80(2)_7 21.17 19.32 198.00 192.00	31506	32151
N200K120P80(2)_8 19.06 21.37 193.00 193.00	31596	32226
N200K120P80(2)_9 21.77 20.32 190.00 194.00	31664	32036
N200K120P80(2)_10 21.28 19.58 197.00 193.00	31444	31915
N200K120P80(3)_1 17.38 24.26 195.00 195.00	31494	32452
N200K120P80(3)_2 14.87 19.74 198.00 195.00	32009	32707
N200K120P80(3)_3 20.06 19.74 190.00 193.00	31793	32748
N200K120P80(3)_4 18.09 15.86 193.00 197.00	31522	32575
N200K120P80(3)_5 18.64 18.19 195.00 195.00	31919	32704
N200K120P80(3)_6 19.25 16.81 197.00 188.00	31728	32801

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K120P80(3)_7	15.69	15.94	197.00	198.00	31827	32793
N200K120P80(3)_8	17.36	16.75	195.00	200.00	31676	32785
N200K120P80(3)_9	16.30	17.48	187.00	198.00	31766	32673
N200K120P80(3)_10	18.50	16.64	198.00	197.00	31648	32680
N200K120P80(4)_1	22.11	22.21	197.00	198.00	30565	31410
N200K120P80(4)_2	19.76	29.12	199.00	196.00	30544	31329
N200K120P80(4)_3	19.61	26.08	198.00	192.00	30525	31523
N200K120P80(4)_4	21.01	45.13	199.00	181.00	30828	31033
N200K120P80(4)_5	23.42	39.77	200.00	195.00	30416	31023
N200K120P80(4)_6	19.65	32.80	198.00	198.00	30765	31414
N200K120P80(4)_7	21.84	45.11	195.00	183.00	30885	30569
N200K120P80(4)_8	19.67	38.95	199.00	194.00	30592	31398
N200K120P80(4)_9	18.20	29.09	189.00	198.00	30657	31390
N200K120P80(4)_10	19.52	21.58	195.00	193.00	30936	31241
N200K120P80(5)_1	14.95	15.15	190.00	194.00	32538	34017
N200K120P80(5)_2	15.01	17.24	193.00	194.00	32460	33180
N200K120P80(5)_3	15.65	13.70	199.00	189.00	32279	33710
N200K120P80(5)_4	14.12	16.39	196.00	199.00	32184	33101
N200K120P80(5)_5	13.67	16.77	191.00	184.00	32326	33370
N200K120P80(5)_6	15.67	14.58	191.00	186.00	32537	33856
N200K120P80(5)_7	14.15	14.42	192.00	194.00	32452	33914
N200K120P80(5)_8	14.09	15.19	191.00	197.00	32649	34201
N200K120P80(5)_9	16.30	13.50	200.00	196.00	32452	33439
N200K120P80(5)_10	16.56	22.82	192.00	197.00	32109	33753
N200K120P80(6)_1	17.96	19.48	194.00	198.00	32036	32688
N200K120P80(6)_2	17.23	18.75	195.00	196.00	32342	32441
N200K120P80(6)_3	17.11	18.13	198.00	195.00	32158	32413
N200K120P80(6)_4	17.36	17.25	196.00	196.00	32063	32584
N200K120P80(6)_5	17.21	18.04	198.00	197.00	32101	32505
N200K120P80(6)_6	20.14	17.89	193.00	196.00	31918	32620
N200K120P80(6)_7	19.53	20.33	192.00	193.00	31909	32241
N200K120P80(6)_8	19.45	17.36	187.00	195.00	32043	32604
N200K120P80(6)_9	20.18	18.63	194.00	200.00	32020	32157
N200K120P80(6)_10	19.37	19.49	191.00	197.00	31990	32318
N200K120P80(7)_1	28.12	32.90	197.00	193.00	28564	28831
N200K120P80(7)_2	28.22	32.84	191.00	193.00	28430	28889
N200K120P80(7)_3	27.39	30.51	196.00	181.00	28346	28939
N200K120P80(7)_4	29.64	35.12	190.00	192.00	28254	29218
N200K120P80(7)_5	31.07	30.61	193.00	197.00	28236	29164
N200K120P80(7)_6	30.24	42.78	192.00	197.00	28391	28604
N200K120P80(7)_7	26.50	32.93	200.00	196.00	28663	28926
N200K120P80(7)_8	29.60	32.78	194.00 196.00	199.00	28575	29163 29265
N200K120P80(7)_9	29.57 29.56	27.61		193.00	28701	
N200K120P80(7)_10 N200K120P80(8)_1		28.25	195.00 198.00	200.00 192.00	28375	29245
N200K120P80(8)_1 N200K120P80(8)_2	14.01 17.10	$\frac{14.67}{15.42}$	198.00	192.00	33263 33298	34440 34528
N200K120P80(8)_3	13.90	16.09	197.00	196.00	33547	34359
N200K120P80(8)_4 N200K120P80(8)_5	11.76 13.42	16.22 13.30	198.00 192.00	197.00 193.00	33365 33126	34381 34503
N200K120P80(8)_5 N200K120P80(8)_6	13.42	15.48	192.00	193.00	33406	34003
N200K120P80(8)_7	14.13	$\frac{13.48}{14.79}$	193.00	185.00	33334	34090
N200K120P80(8)_7 N200K120P80(8)_8	11.65	14.79	188.00	183.00	33546	34096
N200K120P80(8)_8 N200K120P80(8)_9	12.59	15.59	186.00	179.00	33409	33896
N200K120P80(8)_9 N200K120P80(8)_10	16.29	$\frac{13.39}{14.65}$	198.00	196.00	33293	34268
N200K120P80(8)_10	16.29	18.06	198.00	190.00	31673	32946
N200K120P80(9)_1 N200K120P80(9)_2	18.77	$\frac{16.00}{17.29}$	199.00	196.00	31605	32940
N200K120P80(9)_2 N200K120P80(9)_3	16.54	$\frac{17.29}{17.32}$	197.00	200.00	31443	33033
11200131201 00(9)_3	10.04	11.04	191.00	200.00	91449	99099

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K120P80(9)_4	17.24	16.50	198.00	196.00	31661	33028
N200K120P80(9)_5	18.09	21.02	197.00	195.00	31517	32801
N200K120P80(9)_6	18.05	15.06	199.00	195.00	31143	33082
N200K120P80(9)_7	15.74	35.44	199.00	197.00	31722	32309
N200K120P80(9)_8	17.73	15.90	191.00	197.00	31615	32914
N200K120P80(9)_9	16.58	14.97	193.00	188.00	31313	32998
N200K120P80(9)_10	17.15	17.26	196.00	198.00	31622	33149
N200K120P80(10)_1	16.44	14.10	191.00	188.00	32276	33029
N200K120P80(10)_2	16.35	23.95	197.00	197.00	32131	33196
N200K120P80(10)_3	14.20	19.47	193.00	196.00	32205	33120
N200K120P80(10)_4	16.48	13.40	195.00	194.00	32044	33075
N200K120P80(10)_5	14.88	25.49	195.00	191.00	32261	33030
N200K120P80(10)_6	14.97	21.02	190.00	193.00	32254	32788
N200K120P80(10)_7	16.47	14.80	189.00	190.00	32292	33274
N200K120P80(10)_8	14.07	19.37	192.00	194.00	32031	33091
N200K120P80(10)_9	15.02	21.65	191.00	195.00	32051	33035
N200K120P80(10)_10	12.69	21.71	193.00	199.00	32245	33034
N200K150P50(1)_1	19.00	20.00	193.00	174.00	33373	20647
N200K150P50(1)_2	19.00	19.00	196.00	190.00	33350	22643
N200K150P50(1)_3	18.00	18.00	194.00	173.00	33659	21570
N200K150P50(1)_4	20.00	20.50	197.00	177.00	33482	18364
N200K150P50(1)_5	21.50	20.00	191.00	168.00	29941	28607
N200K150P50(1)_6	19.00	20.50	192.00	173.00	33255	22316
N200K150P50(1)_7	19.50	20.50	193.00	178.00	33423	16744
N200K150P50(1)_8	19.50	21.50	192.00	181.00	28943	19176
N200K150P50(1)_9	20.50	19.50	188.00	179.00	33349	17981
N200K150P50(1)_10	21.00	20.00	194.00	167.00	30877	17627
N200K150P50(2)_1	23.50	24.00	193.00	182.00	23145	26812 20033
N200K150P50(2)_2 N200K150P50(2)_3	24.00	24.00	194.00 186.00	180.00 179.00	32084 29849	18277
N200K150P50(2)_5 N200K150P50(2)_4	25.00 25.50	$\frac{25.00}{25.50}$	198.00	184.00	27293	15856
N200K150P50(2)_5	24.00	$\frac{23.30}{24.00}$	196.00	183.00	26162	23228
N200K150P50(2)_6	23.00	$\frac{24.00}{25.00}$	191.00	179.00	32041	24330
N200K150F50(2)_7	25.00	29.00	190.00	198.00	28407	28421
N200K150P50(2)_8	24.00	23.00	192.00	173.00	22440	28162
N200K150P50(2)_9	24.50	22.00	197.00	186.00	29163	32908
N200K150P50(2)_10	23.00	24.00	193.00	181.00	32279	17598
N200K150P50(3)_1	21.00	22.00	191.00	184.00	32520	23465
N200K150P50(3)_2	23.00	23.50	185.00	170.00	27108	22962
N200K150P50(3)_3	24.50	22.00	195.00	187.00	27631	23371
N200K150P50(3)_4	24.00	21.50	189.00	185.00	30607	26924
N200K150P50(3)_5	25.00	22.50	191.00	182.00	25657	22662
N200K150P50(3)_6	23.50	23.00	189.00	187.00	24686	18717
N200K150P50(3)_7	24.00	24.50	193.00	187.00	23890	14928
N200K150P50(3)_8	19.50	23.50	195.00	182.00	32647	20672
N200K150P50(3)_9	22.00	24.00	187.00	187.00	32465	17500
N200K150P50(3)_10	25.00	22.00	195.00	192.00	23694	25794
N200K150P50(4)_1	26.00	26.50	192.00	177.00	31282	21191
N200K150P50(4)_2	24.50	26.00	194.00	190.00	31219	19984
N200K150P50(4)_3	24.50	26.50	192.00	183.00	31373	17505
N200K150P50(4)_4	24.00	26.50	199.00	180.00	31430	19778
N200K150P50(4)_5	24.00	31.50	194.00	183.00	31221	9355
N200K150P50(4)_6	28.00	28.50	194.00	184.00	22633	10897
N200K150P50(4)_7	27.50	25.50	195.00	186.00	26115	25834
N200K150P50(4)_8	26.50	26.00	193.00	185.00	23639	24780
N200K150P50(4)_9	24.50	26.00	196.00	179.00	31197	22224
N200K150P50(4)_10	24.50	26.50	185.00	177.00	31254	17706
N200K150P50(4)_6 N200K150P50(4)_7 N200K150P50(4)_8 N200K150P50(4)_9	28.00 27.50 26.50 24.50	28.50 25.50 26.00 26.00	194.00 195.00 193.00 196.00	184.00 186.00 185.00 179.00	22633 26115 23639 31197	10897 25834 24780 22224

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K150P50(5)_1	21.50	20.50	192.00	172.00	25675	22310
N200K150P50(5)_2	20.50	20.00	191.00	175.00	32758	17054
N200K150P50(5)_3	22.50	21.00	197.00	185.00	21560	17611
N200K150P50(5)_4	20.00	20.50	193.00	173.00	32708	28061
N200K150P50(5)_5	21.50	21.00	200.00	185.00	32370	16893
N200K150P50(5)_6	21.00	20.50	190.00	192.00	32962	21845
N200K150P50(5)_7	20.50	20.50	192.00	194.00	32954	19464
N200K150P50(5)_8	20.00	20.00	193.00	193.00	32880	18841
N200K150P50(5)_9	22.50	22.00	194.00	186.00	28578	18867
N200K150P50(5)_10	19.50	19.50	197.00	189.00	32873	21665
N200K150P50(6)_1	24.50	27.00	197.00	184.00	23398	17354
N200K150P50(6)_2	22.00	24.50	189.00	168.00	32532	25211
N200K150P50(6)_3	23.00	24.50	196.00	187.00	32523	19229
N200K150P50(6)_4	22.00	24.00	197.00	171.00	32498	18262
N200K150P50(6)_5	23.50	25.00	192.00	183.00	32455	15757
N200K150P50(6)_6	24.00	23.00	194.00	187.00	31694	23731
N200K150P50(6)_7	23.50	26.50	195.00	179.00	32568	9977
N200K150P50(6)_8	21.50	24.00	192.00	171.00	32591	23643
N200K150P50(6)_9	27.50	23.00	187.00	170.00	20169	25327
N200K150P50(6)_10	22.00	22.00	194.00	180.00	32460	29493
N200K150P50(7)_1	31.00	32.00	192.00	188.00	28961	20992
N200K150P50(7)_2	31.50	36.50	194.00	185.00	28043	10285
N200K150P50(7)_3	30.50	33.00	188.00	188.00	22643	17243
N200K150P50(7)_4	31.50	32.00	193.00	186.00	29048	18069
N200K150P50(7)_5	30.50	32.00	193.00	174.00	27390	17460
N200K150P50(7)_6	31.00	33.00	192.00	188.00	22300	17568
N200K150P50(7)_7	31.50	34.00	197.00	177.00	20686	13583
N200K150P50(7)_8	30.50	32.50	188.00	189.00	21841	18165
N200K150P50(7)_9	31.50	32.00	194.00	181.00	28833	18558
N200K150P50(7)_10 N200K150P50(8)_1	31.00 19.00	31.00	197.00 198.00	187.00 181.00	24301 34193	26844 18698
N200K150P50(8)_1 N200K150P50(8)_2	18.50	$\frac{20.00}{20.50}$	190.00	184.00	30673	25368
N200K150P50(8)_2 N200K150P50(8)_3	20.00	$\frac{20.50}{20.50}$	190.00	184.00	28814	24157
N200K150F50(8)_4	19.50	$\frac{20.50}{20.50}$	192.00	182.00	34039	17556
N200K150P50(8)_5	18.50	$\frac{20.50}{20.50}$	196.00	185.00	34374	20368
N200K150P50(8)_6	19.50	21.00	193.00	182.00	26262	27164
N200K150P50(8)_7	19.50	$\frac{21.00}{20.50}$	191.00	189.00	34019	20803
N200K150P50(8)_8	19.50	20.00	189.00	169.00	31598	21318
N200K150P50(8)_9	17.00	22.00	196.00	191.00	34290	14296
N200K150P50(8)_10	17.00	19.00	191.00	186.00	34340	21362
N200K150P50(9)_1	21.50	24.00	196.00	180.00	32108	23112
N200K150P50(9)_2	22.50	25.00	189.00	194.00	30353	14931
N200K150P50(9)_3	22.00	24.50	194.00	189.00	32262	12922
N200K150P50(9)_4	22.50	23.00	191.00	183.00	31942	30033
N200K150P50(9)_5	21.00	21.50	192.00	192.00	32289	19796
N200K150P50(9)_6	23.50	25.50	185.00	179.00	31803	23486
N200K150P50(9)_7	24.50	23.00	193.00	168.00	31740	23004
N200K150P50(9)_8	22.00	22.50	190.00	165.00	32034	25464
N200K150P50(9)_9	23.50	23.50	197.00	181.00	27433	17113
N200K150P50(9)_10	23.50	26.00	191.00	164.00	31798	12399
N200K150P50(10)_1	23.50	22.50	189.00	183.00	23827	21385
N200K150P50(10)_2	23.00	21.00	196.00	187.00	31704	22447
N200K150P50(10)_3	21.00	23.00	198.00	172.00	25743	16776
N200K150P50(10)_4	21.50	22.00	192.00	177.00	32896	12000
N200K150P50(10)_5	22.50	20.50	195.00	185.00	24619	20281
N200K150P50(10)_6	21.00	21.50	197.00	179.00	30937	16727
N200K150P50(10)_7	21.00	21.00	194.00	180.00	32740	23041
N200K150P50(10)_5 N200K150P50(10)_6	22.50 21.00	20.50 21.50	195.00 197.00	185.00 179.00	24619 30937	20281 16727

T / #FD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K150P50(10)_8	22.50	22.00	193.00	184.00	29507	12977
N200K150P50(10)_9	20.00	22.50	194.00	184.00	32963	11453
N200K150P50(10)_10	23.50	22.50	196.00	185.00	23510	15183
N200K150P60(1)_1	24.60	23.40	190.00	187.00	28470	19094
N200K150P60(1)_2	22.20	25.20	190.00	184.00	33619	17956
N200K150P60(1)_3	23.40	22.80	190.00	179.00	23690	27425
N200K150P60(1)_4	24.00	22.80	193.00	190.00	32080	22731
N200K150P60(1)_5	22.20	24.60	190.00	173.00	29057	22771
N200K150P60(1)_6	26.40	24.60	190.00	179.00	32992	15650
N200K150P60(1)_7	22.20	22.80	192.00	175.00	33621	28027
N200K150P60(1)_8	25.20	24.00	195.00	182.00	33283	20624
N200K150P60(1)_9	22.80	25.80	198.00	184.00	32289	20320
N200K150P60(1)_10	24.00	24.60	194.00	173.00	30281	15748
N200K150P60(2)_1	28.20	28.80	196.00	196.00	26226	21645
N200K150P60(2)_2	31.20	30.00	191.00	180.00	24192	29692
N200K150P60(2)_3	28.20	29.40	193.00	174.00	29128	24145
N200K150P60(2)_4	28.20	29.40	200.00	180.00	29716	21215
N200K150P60(2)_5	30.00	29.40	194.00	169.00	25439	23549
N200K150P60(2)_6	30.00	28.80	191.00	184.00	26407	32549
N200K150P60(2)_7	29.40	30.00	194.00	171.00	30853	23617
N200K150P60(2)_8	28.80	27.00	192.00	171.00	31820	31393
N200K150P60(2)_9	28.20	28.80	189.00	171.00	25274	18432
N200K150P60(2)_10	29.40	29.40	187.00	183.00	31932	18279
N200K150P60(3)_1	26.40	28.80	190.00	181.00	32431	26876
N200K150P60(3)_2	26.40	26.40	191.00	189.00	32528	25988
N200K150P60(3)_3	26.40	28.20	196.00	174.00	32583	21340
N200K150P60(3)_4	24.60	28.80	195.00	190.00	32616	19972
N200K150P60(3)_5 N200K150P60(3)_6	27.00 27.00	$\frac{27.00}{26.40}$	197.00 191.00	181.00 193.00	32468	26844 22494
N200K150P60(3)_7	28.20	$\frac{20.40}{27.60}$	191.00	195.00	24196 28429	23464
N200K150P60(3)_8	27.60	$\frac{27.60}{27.60}$	190.00	182.00	25529	16020
N200K150P60(3)_9	25.80	27.00	193.00	183.00	31732	22140
N200K150P60(3)_10	28.20	28.20	189.00	185.00	28555	19740
N200K150P60(4)_1	31.80	33.60	195.00	183.00	31077	11125
N200K150P60(4)_2	30.00	32.40	189.00	184.00	31246	13936
N200K150P60(4)_3	30.00	31.80	192.00	174.00	30345	21515
N200K150P60(4)_4	33.00	32.40	196.00	186.00	21557	21864
N200K150P60(4)_5	31.20	32.40	188.00	193.00	31206	12013
N200K150P60(4)_6	31.20	33.60	194.00	187.00	31313	13949
N200K150P60(4)_7	28.20	33.60	195.00	185.00	31498	18611
N200K150P60(4)_8	30.60	32.40	199.00	181.00	31183	21953
N200K150P60(4)_9	30.60	31.20	187.00	177.00	30916	23059
N200K150P60(4)_10	30.00	31.80	192.00	179.00	27572	13995
N200K150P60(5)_1	23.40	24.00	194.00	182.00	32997	19324
N200K150P60(5)_2	27.00	25.80	188.00	188.00	23834	20255
N200K150P60(5)_3	27.00	25.20	190.00	190.00	32592	15574
N200K150P60(5)_4	24.00	25.20	191.00	176.00	32960	19452
N200K150P60(5)_5	25.20	24.00	195.00	195.00	32905	22192
N200K150P60(5)_6	24.00	26.40	192.00	186.00	32906	15513
N200K150P60(5)_7	26.40	25.20	196.00	186.00	30610	14900
N200K150P60(5)_8	26.40	27.00	199.00	177.00	24589	16324
N200K150P60(5)_9	24.60	25.80	195.00	195.00	33008	13208
N200K150P60(5)_10	24.60	27.60	194.00	175.00	32610	18834
N200K150P60(6)_1	29.40	30.00	196.00	200.00	32413	14891
N200K150P60(6)_2	28.20	26.40	192.00	169.00	24600	29860
N200K150P60(6)_3	25.80	29.40	190.00	161.00	32682	21273
N200K150P60(6)_4	27.00	27.60	189.00	181.00	31086	32953

	Total lo	ss value	Number	of active MDs	Time	$\overline{(ms)}$
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K150P60(6)_5	24.60	29.40	190.00	185.00	32007	20072
N200K150P60(6)_6	27.60	29.40	188.00	190.00	32443	13449
N200K150P60(6)_7	30.00	28.80	196.00	173.00	23585	15825
N200K150P60(6)_8	25.80	31.20	191.00	166.00	29560	14829
N200K150P60(6)_9	26.40	29.40	194.00	172.00	31112	16469
N200K150P60(6)_10	28.20	30.00	190.00	165.00	32649	14197
N200K150P60(7)_1	36.00	39.00	191.00	193.00	28966	16558
N200K150P60(7)_2	37.20	37.20	199.00	194.00	22625	19939
N200K150P60(7)_3	36.60	36.60	194.00	176.00	28996	22168
N200K150P60(7)_4	37.80	40.80	192.00	182.00	21422	16993
N200K150P60(7)_5	39.60	39.00	191.00	169.00	28823	13389
N200K150P60(7)_6	34.80	39.00	186.00	176.00	29142	15798
N200K150P60(7)_7	37.80	36.00	194.00	186.00	22289	29719
N200K150P60(7)_8	37.80	38.40	190.00	179.00	23739	16870
N200K150P60(7)_9	37.20	36.60	196.00	180.00	29115	21334
N200K150P60(7)_10	37.20	36.60	188.00	181.00	26804	25821
N200K150P60(8)_1	22.80	25.20	195.00	179.00	34205	18337
N200K150P60(8)_2	21.60	25.80	195.00	174.00	34466	18627
N200K150P60(8)_3	23.40	23.40	193.00	184.00	34235	21462
N200K150P60(8)_4	25.20	25.20	192.00	192.00	29527	27595
N200K150P60(8)_5	21.60	22.80	195.00	176.00	34395	30517
N200K150P60(8)_6	21.60	25.20	199.00	170.00	34355	17142
N200K150P60(8)_7	22.20	22.20	196.00	194.00	34312	31145
N200K150P60(8)_8	22.20	23.40	193.00	180.00	34506	25146
N200K150P60(8)_9	23.40	25.20	191.00	184.00	26057	22286
N200K150P60(8)_10	19.80	24.60	193.00	182.00	34343	18042
N200K150P60(9)_1	27.00	28.20	194.00	181.00	29986	27988
N200K150P60(9)_2	25.80	28.20	197.00	188.00	30769	19382
N200K150P60(9)_3	28.20	27.00	191.00	183.00	32017	21520
N200K150P60(9)_4	28.20	28.80	191.00	181.00	28497	24648
N200K150P60(9)_5 N200K150P60(9)_6	27.00	27.00	193.00 192.00	182.00 179.00	32098	19343 16145
N200K150P60(9)_6 N200K150P60(9)_7	27.60 25.20	26.40 27.60	192.00	186.00	32012 32131	21511
N200K150P60(9)_7 N200K150P60(9)_8	30.00	28.80	190.00		32090	18432
N200K150P60(9)_8 N200K150P60(9)_9	26.40	28.20	197.00	188.00 179.00	28672	19025
N200K150P60(9)_9 N200K150P60(9)_10	31.20	$\frac{26.20}{26.40}$	193.00	171.00	27566	25450
N200K150P60(10)_1	25.20	$\frac{26.40}{26.40}$	195.00	188.00	28801	13517
N200K150P60(10)_2	25.80	$\frac{25.40}{25.20}$	192.00	173.00	28864	21108
N200K150P60(10)_3	25.80	$\frac{25.20}{25.20}$	194.00	182.00	32802	23790
N200K150P60(10)_4	25.80	24.00	196.00	195.00	32862	21027
N200K150P60(10)_5	27.00	26.40	192.00	191.00	32793	27979
N200K150P60(10)_6	27.00	24.00	195.00	186.00	28670	26068
N200K150P60(10)_7	25.80	26.40	192.00	168.00	24300	15639
N200K150P60(10)_8	27.00	27.00	195.00	171.00	26313	15428
N200K150P60(10)_9	28.20	25.20	190.00	190.00	26855	12930
N200K150P60(10)_10	24.60	25.20	195.00	198.00	33183	20435
N200K150P70(1)_1	28.70	31.50	196.00	193.00	33282	18407
N200K150P70(1)_2	25.20	26.60	194.00	186.00	33426	25357
N200K150P70(1)_3	29.40	27.30	195.00	182.00	29880	27914
N200K150P70(1)_4	28.70	28.00	196.00	184.00	31982	22176
N200K150P70(1)_5	28.70	28.70	194.00	164.00	31002	21857
N200K150P70(1)_6	27.30	26.60	191.00	181.00	33012	27828
N200K150P70(1)_7	28.00	28.00	190.00	187.00	28936	21281
N200K150P70(1)_8	27.30	30.10	191.00	171.00	33770	16131
N200K150P70(1)_9	28.00	25.90	193.00	173.00	33525	26787
N200K150P70(1)_10	30.10	26.60	187.00	170.00	33153	28507
N200K150P70(2)_1	33.60	34.30	195.00	181.00	32175	24563

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K150P70(2)_2	35.70	32.20	187.00	197.00	25607	18968
N200K150P70(2)_3	33.60	33.60	187.00	182.00	26229	20989
N200K150P70(2)_4	32.20	32.20	193.00	187.00	32164	26097
N200K150P70(2)_5	32.20	34.30	197.00	182.00	30597	23351
N200K150P70(2)_6	32.90	32.20	194.00	184.00	27723	30472
N200K150P70(2)_7	35.00	35.00	199.00	179.00	22907	16820
N200K150P70(2)_8	32.20	31.50	194.00	179.00	24081	25839
N200K150P70(2)_9	33.60	34.30	196.00	189.00	28823	24555
N200K150P70(2)_10	33.60	33.60	196.00	176.00	26812	28375
N200K150P70(3)_1	32.20	30.10	192.00	178.00	25620	31051
N200K150P70(3)_2	30.10	31.50	189.00	182.00	32495	30028
N200K150P70(3)_3	33.60	33.60	193.00	182.00	22917	23646
N200K150P70(3)_4	32.20	30.80	190.00	193.00	25277	25822
N200K150P70(3)_5	30.80	34.30	194.00	183.00	25258	14367
N200K150P70(3)_6	35.00	30.10	188.00	195.00	31254	32942
N200K150P70(3)_7	30.10	34.30	189.00	192.00	32392	19667
N200K150P70(3)_8	30.10	32.90	193.00	197.00	32662	22709
N200K150P70(3)_9	29.40	30.10	192.00	194.00	32507	23501
N200K150P70(3)_10	33.60	29.40	193.00	176.00	32100	23113
N200K150P70(4)_1	35.00	40.60	196.00	187.00	30693	14932
N200K150P70(4)_2	33.60	37.10	192.00	180.00	31536	19754
N200K150P70(4)_3	37.10	39.90	193.00	170.00	31282	10177
N200K150P70(4)_4	35.00	32.20	195.00	187.00	28488	32182
N200K150P70(4)_5	35.70	35.70	193.00	185.00	29095	31062
N200K150P70(4)_6	36.40	36.40	189.00	176.00	31132	18273
N200K150P70(4)_7	35.70	36.40	194.00	184.00	31383	17405
N200K150P70(4)_8	35.70	39.20	188.00	187.00	31344	13705
N200K150P70(4)_9	37.80	37.80	191.00	179.00	27582	18673
N200K150P70(4)_10	35.70	37.10	196.00	184.00	27349	24259
N200K150P70(5)_1	29.40	29.40	191.00 190.00	168.00	33097	16736
N200K150P70(5)_2 N200K150P70(5)_3	28.70 30.80	28.00	190.00	192.00 175.00	33163 32102	$\frac{24616}{24724}$
N200K150P70(5)_3 N200K150P70(5)_4	30.10	30.80	195.00	175.00	32575	13280
N200K150F70(5)_4 N200K150P70(5)_5	29.40	30.10	193.00	191.00	32903	21037
N200K150F70(5)_6	28.70	32.20	195.00	190.00	28456	13345
N200K150P70(5)_7	29.40	30.10	196.00	177.00	32819	16241
N200K150P70(5)_8	29.40	30.10	189.00	170.00	32840	15869
N200K150P70(5)_9	29.40	30.10	193.00	191.00	32812	17706
N200K150P70(5)_10	29.40	34.30	193.00	177.00	32852	11085
N200K150P70(6)_1	31.50	33.60	184.00	187.00	32678	21451
N200K150P70(6)_2	33.60	34.30	192.00	167.00	32479	19870
N200K150P70(6)_3	31.50	32.90	186.00	181.00	32690	13124
N200K150P70(6)_4	32.90	33.60	196.00	178.00	32538	17291
N200K150P70(6)_5	32.90	31.50	196.00	183.00	32344	29658
N200K150P70(6)_6	32.90	31.50	196.00	195.00	32515	21096
N200K150P70(6)_7	34.30	34.30	193.00	181.00	32545	20408
N200K150P70(6)_8	30.10	35.00	194.00	183.00	31111	11734
N200K150P70(6)_9	31.50	35.00	194.00	196.00	32637	13249
N200K150P70(6)_10	34.30	32.90	190.00	186.00	26427	28855
N200K150P70(7)_1	46.20	44.80	189.00	185.00	18024	17851
N200K150P70(7)_2	44.10	44.80	194.00	182.00	24150	17727
N200K150P70(7)_3	42.00	43.40	197.00	177.00	29102	17124
N200K150P70(7)_4	42.70	44.10	196.00	183.00	26882	22243
N200K150P70(7)_5	43.40	42.70	191.00	174.00	20618	18041
N200K150P70(7)_6	44.10	46.20	198.00	188.00	26509	10962
N200K150P70(7)_7	44.10	44.80	184.00	186.00	29029	19431
N200K150P70(7)_8	39.90	45.50	192.00	180.00	29154	16451
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Instance_#Run	GA					(ms)
	UA	GGA	GA	GGA	GA	GGA
N200K150P70(7)_9	42.00	44.80	189.00	188.00	28100	18101
N200K150P70(7)_10	42.00	46.20	195.00	183.00	28383	11717
N200K150P70(8)_1	27.30	28.00	198.00	189.00	34176	18544
N200K150P70(8)_2	24.50	26.60	198.00	172.00	34392	30605
N200K150P70(8)_3	25.90	28.00	199.00	179.00	32395	19480
N200K150P70(8)_4	28.70	30.10	193.00	182.00	28331	20467
N200K150P70(8)_5	25.20	28.70	195.00	183.00	34149	23932
N200K150P70(8)_6	27.30	26.60	195.00	179.00	34151	24679
N200K150P70(8)_7	26.60	26.60	190.00	176.00	28697	32418
N200K150P70(8)_8	25.20	29.40	196.00	184.00	34347	15829
N200K150P70(8)_9	26.60	30.80	188.00	184.00	33673	20458
N200K150P70(8) ₋ 10	28.70	26.60	195.00	180.00	23056	33619
N200K150P70(9)_1	32.90	32.20	190.00	191.00	31766	24741
N200K150P70(9)_2	32.20	34.30	192.00	184.00	32025	15681
N200K150P70(9)_3	34.30	35.00	191.00	189.00	26966	14651
N200K150P70(9)_4	31.50	36.40	194.00	182.00	32177	11669
N200K150P70(9)_5	30.10	33.60	192.00	186.00	32099	11954
N200K150P70(9)_6	27.30	33.60	194.00	174.00	32288	18251
N200K150P70(9)_7	32.20	32.90	197.00	178.00	28818	15578
N200K150P70(9)_8	29.40	34.30	187.00	184.00	32060	17776
N200K150P70(9)_9	31.50	30.80	191.00	176.00	32019	19853
N200K150P70(9)_10	30.80	31.50	193.00	182.00	29720	21187
N200K150P70(10)_1	31.50	28.70	197.00	182.00	30848	27694
N200K150P70(10)_2	29.40	30.80	189.00	174.00	32696	19524
N200K150P70(10)_3	30.10	30.80	192.00	189.00	30994	13894
N200K150P70(10)_4	28.70	30.80	196.00	189.00	32948	13529
N200K150P70(10)_5	32.90	30.80	193.00	195.00	27494	20210
N200K150P70(10)_6	30.10	30.10	194.00 191.00	188.00	27762	22688
N200K150P70(10)_7 N200K150P70(10)_8	30.10	29.40	191.00	188.00 189.00	32634	21934
N200K150P70(10)_8 N200K150P70(10)_9	30.10	$\frac{30.10}{28.70}$	198.00	164.00	$\frac{32830}{32873}$	$\frac{21435}{33538}$
N200K150P70(10)_9 N200K150P70(10)_10	30.10	31.50	192.00	191.00	30413	19250
N200K150P80(1)_1	31.24	31.98	199.00	199.00	33564	34441
N200K150P80(1)_2	32.48	33.32	190.00	194.00	33359	34669
N200K150F80(1)_3	35.62	34.14	194.00	192.00	33220	34747
N200K150P80(1)_4	31.26	34.21	197.00	199.00	33484	34470
N200K150P80(1)_5	32.04	31.93	198.00	195.00	33310	34516
N200K150P80(1)_6	31.25	31.37	199.00	195.00	33631	34550
N200K150P80(1)_7	33.46	31.13	198.00	199.00	33286	34619
N200K150P80(1)_8	32.79	32.63	193.00	199.00	33285	34722
N200K150P80(1)_9	33.43	34.89	199.00	192.00	33375	34313
N200K150P80(1)_10	31.94	31.96	191.00	197.00	33524	34711
N200K150P80(2)_1	36.79	40.42	200.00	197.00	32239	32517
N200K150P80(2)_2	40.38	38.24	199.00	195.00	32039	32788
N200K150P80(2)_3	38.23	38.04	199.00	194.00	32062	32928
N200K150P80(2)_4	38.81	39.57	199.00	198.00	32324	32757
N200K150P80(2)_5	38.24	38.87	200.00	196.00	32060	32945
N200K150P80(2)_6	37.49	39.66	196.00	191.00	32304	32929
N200K150P80(2)_7	38.90	40.36	196.00	195.00	32053	32629
N200K150P80(2)_8	38.09	37.38	196.00	196.00	32235	32853
N200K150P80(2)_9	38.86	38.60	197.00	200.00	31981	33016
N200K150P80(2)_10	40.27	39.71	200.00	197.00	32144	33071
N200K150P80(3)_1	38.69	55.98	192.00	199.00	32496	32264
N200K150P80(3)_2	37.85	53.63	195.00	199.00	32404	32288
N200K150P80(3)_3	35.74	55.12	196.00	199.00	32641	32437
N200K150P80(3)_4	38.00	54.42	195.00	198.00	32621	32400
N200K150P80(3)_5	36.57	58.18	198.00	198.00	32652	32487

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K150P80(3)_6	38.86	54.27	198.00	200.00	32417	32705
N200K150P80(3)_7	38.84	55.10	191.00	191.00	32335	32597
N200K150P80(3)_8	36.60	61.25	199.00	195.00	32362	32514
N200K150P80(3)_9	40.35	58.23	187.00	197.00	32275	32358
N200K150P80(3)_10	35.80	59.59	197.00	188.00	32533	32466
N200K150P80(4)_1	41.86	62.18	198.00	195.00	31237	31455
N200K150P80(4)_2	42.69	64.47	200.00	192.00	31232	31496
N200K150P80(4)_3	44.25	63.83	190.00	200.00	31046	31471
N200K150P80(4)_4	42.75	63.02	195.00	193.00	31204	31419
N200K150P80(4)_5	41.19	58.38	197.00	197.00	31253	31516
N200K150P80(4)_6	41.24	40.42	194.00	196.00	31241	32265
N200K150P80(4)_7	39.82	63.72	193.00	196.00	31447	31823
N200K150P80(4)_8	45.96	63.05	199.00	192.00	31111	31622
N200K150P80(4)_9	42.80	68.30	195.00	188.00	31312	31274
N200K150P80(4)_10	41.96	70.71	197.00	193.00	31397	31237
N200K150P80(5)_1	35.84	34.12	191.00	200.00	32832	34119
N200K150P80(5)_2	35.02	33.46	197.00	193.00	33053	34167
N200K150P80(5)_3	34.27	37.93	199.00	195.00	32883	33945
N200K150P80(5)_4	34.31	32.05	198.00	200.00	32993	34124
N200K150P80(5)_5	37.86	36.46	192.00	198.00	32900	34135
N200K150P80(5)_6	34.97	33.68	198.00	194.00	33042	34014
N200K150P80(5)_7	34.38	34.01	195.00	200.00	32873	34029
N200K150P80(5)_8	34.17	34.94	200.00	194.00	33250	34211
N200K150P80(5)_9	33.39	34.83	198.00	197.00	32927	33946
N200K150P80(5)_10	33.49	33.45	198.00	195.00	33033	34190
N200K150P80(6)_1	37.94	38.02	198.00	194.00	32636	33239
N200K150P80(6)_2	38.76	35.75	197.00	197.00	32555	33255
N200K150P80(6)_3	35.93	38.86	193.00	191.00	32422	32999
N200K150P80(6)_4	35.06	40.28	199.00	191.00	32588	32985
N200K150P80(6)_5	38.74	35.97	197.00	192.00	32774	33383
N200K150P80(6)_6	40.98	37.21	193.00	194.00	32396	33322
N200K150P80(6)_7	37.98	41.13	198.00	198.00	32489	33176
N200K150P80(6)_8	38.06	36.53	199.00	192.00	32777	33148
N200K150P80(6)_9	35.74	36.70	198.00	193.00	32930	33182
N200K150P80(6)_10	35.06	36.51	198.00	198.00	32818	33460
N200K150P80(7)_1	51.37	56.23	198.00	196.00	29031	29350
N200K150P80(7)_2	49.54	62.25	195.00	199.00	29146	29378
N200K150P80(7)_3	50.52	62.23	197.00	199.00	28902	29313
N200K150P80(7)_4	51.24	60.05	196.00	198.00	28893	29442
N200K150P80(7)_5	49.59	58.43	197.00	198.00 191.00	28859	29558
N200K150P80(7)_6 N200K150P80(7)_7	48.24 50.33	57.56 63.07	195.00 199.00	191.00	29165 28878	29670 29286
N200K150P80(7)_7 N200K150P80(7)_8	51.93	64.54	195.00	198.00	28952	29280
N200K150P80(7)_9	50.50	53.98	194.00	199.00	28908	29716
N200K150P80(7)_10	51.32	63.79	199.00	196.00	28963	29487
N200K150P80(8)_1	31.13	31.23	193.00	199.00	34311	35278
N200K150P80(8)_2	29.60	51.66	194.00	198.00	34408	34244
N200K150F80(8)_2 N200K150P80(8)_3	31.89	52.46	194.00	196.00	34269	34196
N200K150F80(8)_4	32.49	50.18	200.00	199.00	34110	34239
N200K150F80(8)_5	31.79	51.70	197.00	199.00	34456	34249
N200K150F80(8)_6	29.47	50.18	194.00	197.00	34351	34543
N200K150P80(8)_7	30.97	51.69	194.00	198.00	34547	34015
N200K150P80(8)_8	30.25	49.41	192.00	197.00	34524	34383
N200K150P80(8)_9	33.54	53.14	193.00	199.00	34133	34125
N200K150P80(8)_10	33.38	39.50	199.00	197.00	34354	34635
N200K150P80(9)_1	35.90	60.29	199.00	186.00	32106	32833
N200K150P80(9)_2	37.26	56.53	197.00	198.00	31901	33247
11200111301 00(7)-2	01.20	50.00	101.00	100.00	01001	55241

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N200K150P80(9)_3	38.15	59.53	195.00	193.00	32068	32840
N200K150P80(9)_4	36.42	57.21	198.00	197.00	32040	33061
N200K150P80(9)_5	35.82	44.26	198.00	199.00	32321	33442
N200K150P80(9)_6	37.26	54.96	199.00	199.00	32079	32955
N200K150P80(9)_7	35.85	45.02	196.00	199.00	32091	33389
N200K150P80(9)_8	34.94	58.03	196.00	197.00	32253	32907
N200K150P80(9)_9	38.19	58.70	194.00	197.00	31841	33142
N200K150P80(9)_10	35.09	56.51	199.00	199.00	32146	32830
N200K150P80(10)_1	35.82	59.47	195.00	200.00	32882	$\frac{32630}{32739}$
N200K150P80(10)_2	34.28	61.77	198.00	198.00	32922	32783
N200K150P80(10)_3	34.88	59.45	193.00	198.00	32988	33052
N200K150P80(10)_3	32.91	61.71	191.00	199.00	32768	33017
. ,		53.23				
N200K150P80(10)_5	37.97 34.82		194.00	194.00	32632	33308
N200K150P80(10)_6		54.77	195.00	198.00	33005	33135
N200K150P80(10)_7	35.04	56.30	198.00	198.00	32781	33369
N200K150P80(10)_8	35.84	47.92	195.00	196.00	32897	33279
N200K150P80(10)_9	36.40	35.92	194.00	186.00	33017	33627
N200K150P80(10)_10	35.85	57.15	192.00	198.00	32858	32984
LLN300K100P50(1)_1	2.00	0.00	270.00	100.00	39340	74
LLN300K100P50(1)_2	0.00	0.00	287.00	100.00	39004	74
LLN300K100P50(1)_3	1.00	0.00	286.00	100.00	39860	75
LLN300K100P50(1)_4	1.50	0.00	288.00	100.00	40997	76
LLN300K100P50(1)_5	1.00	0.00	285.00	100.00	38011	76
LLN300K100P50(1)_6	0.50	0.00	281.00	100.00	36310	75
LLN300K100P50(1)_7	1.50	0.00	287.00	100.00	37800	73
LLN300K100P50(1)_8	2.50	0.00	282.00	100.00	25462	74
LLN300K100P50(1)_9	1.50	0.00	285.00	100.00	31393	73
LLN300K100P50(1)_10	1.50	0.00	290.00	100.00	28064	74
LLN300K100P50(2)_1	1.00	0.00	276.00	100.00	35186	73
LLN300K100P50(2)_2	3.00	0.00	279.00	100.00	33216	72
LLN300K100P50(2)_3	0.50	0.00	266.00	100.00	39484	73
LLN300K100P50(2)_4	1.00	0.00	288.00	100.00	39797	73
LLN300K100P50(2)_5	2.00	0.00	292.00	100.00	40173	72
LLN300K100P50(2)_6	1.00	0.00	277.00	100.00	36589	72
LLN300K100P50(2)_7	3.50	0.00	287.00	100.00	25992	72
LLN300K100P50(2)_8	0.50	0.00	283.00	100.00	39869	72
LLN300K100P50(2)_9	3.00	0.00	282.00	100.00	31222	73
LLN300K100P50(2)_10	1.50	0.00	278.00	100.00	40249	73
LLN300K100P50(3)_1	1.00	0.00	283.00	100.00	32752	79
LLN300K100P50(3)_2	1.00	0.00	285.00	100.00	26866	79
LLN300K100P50(3)_3	1.00	0.00	289.00	100.00	38425	79
LLN300K100P50(3)_4	1.00	0.00	281.00	100.00	40245	79
LLN300K100P50(3)_5	2.00	0.00	289.00	100.00	35989	80
LLN300K100P50(3)_6	2.50	0.00	280.00	100.00	25850	79
LLN300K100P50(3)_7	0.00	0.00	275.00	100.00	35056	79
LLN300K100P50(3)_8	1.00	0.00	283.00	100.00	33863	80
LLN300K100P50(3)_9	2.00	0.00	268.00	100.00	37755	79
LLN300K100P50(3)_10	0.50	0.00	276.00	100.00	35116	79
LLN300K100P50(4)_1	1.50	2.00	291.00	161.00	41167	12770
LLN300K100P50(4)_2	2.00	2.50	265.00	169.00	40556	10144
LLN300K100P50(4)_3	2.00	2.00	293.00	221.00	41393	12678
LLN300K100P50(4)_4	2.00	2.00	285.00	185.00	40102	20824
LLN300K100P50(4)_5	3.00	2.50	290.00	267.00	34581	12291
LLN300K100P50(4)_6	2.00	2.00	292.00	166.00	41053	10330
LLN300K100P50(4)_7	0.50	2.00	266.00	148.00	40889	14150
LLN300K100P50(4)_8	3.50	1.00	279.00	247.00	34780	17786
LLN300K100P50(4)_9	2.00	2.50	260.00	230.00	29800	11334
				_50.00		

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K100P50(4)_10	1.50	2.00	279.00	270.00	38093	12327
LLN300K100P50(5)_1	3.00	0.00	285.00	100.00	36348	72
LLN300K100P50(5)_2	0.50	0.00	288.00	100.00	39917	72
LLN300K100P50(5)_3	1.50	0.00	282.00	100.00	34990	72
LLN300K100P50(5)_4	2.00	0.00	286.00	100.00	39717	71
LLN300K100P50(5)_5	2.50	0.00	280.00	100.00	39648	72
LLN300K100P50(5)_6	2.50	0.00	276.00	100.00	31868	72
LLN300K100P50(5)_7	1.50	0.00	266.00	100.00	39268	71
LLN300K100P50(5)_8	1.50	0.00	275.00	100.00	39982	71
LLN300K100P50(5)_9	3.50	0.00	270.00	100.00	31075	72
LLN300K100P50(5)_10	2.50	0.00	267.00	100.00	38908	71
LLN300K100P50(6)_1	1.00	0.00	286.00	100.00	39260	71
LLN300K100P50(6)_2	1.50	0.00	280.00	100.00	36605	71
LLN300K100P50(6)_3	3.50	0.00	286.00	100.00	28730	71
LLN300K100P50(6)_4	4.00	0.00	275.00	100.00	24631	71
LLN300K100P50(6)_5	2.50	0.00	289.00	100.00	34203	71
LLN300K100P50(6)_6	2.00	0.00	293.00	100.00	32074	71
LLN300K100P50(6)_7	3.50	0.00	280.00	100.00	39235	70
LLN300K100P50(6)_8	1.50	0.00	281.00	100.00	34133	71
LLN300K100P50(6)_9	2.00	0.00	271.00	100.00	38676	72
LLN300K100P50(6)_10	3.50	0.00	282.00	100.00	39203	73
LLN300K100P50(7)_1	2.00	0.50	278.00	174.00	35603	8849
LLN300K100P50(7)_2	2.00	0.50	277.00	137.00	32025	9006
LLN300K100P50(7)_3	0.00	0.50	293.00	191.00	33876	9175
LLN300K100P50(7)_4	2.50	0.50	285.00	146.00	25980	9190
LLN300K100P50(7)_5	2.50	0.50	283.00	129.00	26984	9217
LLN300K100P50(7)_6	1.00	0.50	283.00	136.00	38941	9403
LLN300K100P50(7)_7	2.00	0.50	279.00	138.00	37908	8927
LLN300K100P50(7)_8	1.00	0.00	269.00	138.00	33027	8082
LLN300K100P50(7)_9 LLN300K100P50(7)_10	2.00 0.50	$\frac{0.50}{0.50}$	290.00	135.00 145.00	41316 31951	9457
LLN300K100P50(8)_1	1.00	0.00	280.00	100.00	32283	9783 78
LLN300K100P50(8)_1 LLN300K100P50(8)_2	1.50	0.00	282.00	100.00	29702	76
LLN300K100P50(8)_3	0.00	0.00	276.00	100.00	41234	76
LLN300K100F50(8)_4	1.50	0.00	260.00	100.00	27650	77
LLN300K100P50(8)_5	0.50	0.00	276.00	100.00	41282	77
LLN300K100P50(8)_6	1.50	0.00	290.00	100.00	33376	78
LLN300K100P50(8)_7	0.50	0.00	265.00	100.00	41581	77
LLN300K100P50(8)_8	2.00	0.00	293.00	100.00	37443	76
LLN300K100P50(8)_9	1.00	0.00	283.00	100.00	36571	77
LLN300K100P50(8)_10	0.50	0.00	292.00	100.00	34185	78
LLN300K100P50(9)_1	2.00	0.00	280.00	100.00	27912	78
LLN300K100P50(9)_2	1.50	0.00	264.00	100.00	39016	77
LLN300K100P50(9)_3	0.00	0.00	286.00	100.00	30617	77
LLN300K100P50(9)_4	2.00	0.00	278.00	100.00	31174	78
LLN300K100P50(9)_5	3.00	0.00	291.00	100.00	25796	79
LLN300K100P50(9)_6	1.00	0.00	280.00	100.00	42222	78
LLN300K100P50(9)_7	0.00	0.00	273.00	100.00	28645	77
LLN300K100P50(9)_8	2.00	0.00	281.00	100.00	29487	79
LLN300K100P50(9)_9	2.00	0.00	290.00	100.00	32092	79
LLN300K100P50(9)_10	1.50	0.00	289.00	100.00	32254	80
LLN300K100P50(10)_1	2.00	0.00	285.00	100.00	37915	76
LLN300K100P50(10)_2	3.00	0.00	283.00	100.00	32992	75
LLN300K100P50(10)_3	0.50	0.00	285.00	100.00	41270	77
LLN300K100P50(10)_4	1.50	0.00	296.00	100.00	37126	76
LLN300K100P50(10)_5	2.00	0.00	281.00	100.00	29010	76
LLN300K100P50(10)_6	2.00	0.00	253.00	100.00	40749	76
DE113001X100130(10)_0	2.00	0.00	200.00	100.00	TO143	10

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K100P50(10)_7	1.50	0.00	274.00	100.00	37286	76
LLN300K100P50(10)_8	2.00	0.00	283.00	100.00	41276	77
LLN300K100P50(10)_9	1.50	0.00	287.00	100.00	41442	75
LLN300K100P50(10)_10	2.50	0.00	281.00	100.00	27762	78
LLN300K100P60(1)_1	3.00	0.00	279.00	100.00	31196	74
LLN300K100P60(1)_2	1.20	0.00	275.00	100.00	40627	75
LLN300K100P60(1)_3	1.20	0.00	286.00	100.00	40773	76
LLN300K100P60(1)_4	1.80	0.00	274.00	100.00	31555	74
LLN300K100P60(1)_5	1.80	0.00	284.00	100.00	28434	75
LLN300K100P60(1)_6	1.20	0.00	276.00	100.00	35583	73
LLN300K100P60(1)_7	3.60	0.00	270.00	100.00	25751	74
LLN300K100P60(1)_8	4.80	0.00	264.00	100.00	30080	74
LLN300K100P60(1)_9	2.40	0.00	281.00	100.00	40417	74
LLN300K100P60(1)_10	2.40	0.00	279.00	100.00	40754	74
LLN300K100P60(2)_1	1.80	0.00	291.00	100.00	39873	72
LLN300K100P60(2)_2	1.20	0.00	280.00	100.00	39816	74
LLN300K100P60(2)_3	5.40	0.00	289.00	100.00	26682	74
LLN300K100P60(2)_4	1.80	0.00	289.00	100.00	29978	73
LLN300K100P60(2)_5	2.40	0.00	275.00	100.00	39833	71
LLN300K100P60(2)_6	1.20	0.00	282.00	100.00	40032	72
LLN300K100P60(2)_7	2.40	0.00	267.00	100.00	29767	71
LLN300K100P60(2)_8	2.40	0.00	279.00	100.00	36794	71
LLN300K100P60(2)_9	2.40	0.00	269.00	100.00	31251	71
LLN300K100P60(2)_10	3.00	0.00	277.00	100.00	37401	72
LLN300K100P60(3)_1	1.20	0.00	281.00	100.00	30149	78
LLN300K100P60(3)_2	4.20	0.00	277.00	100.00	30464	80
LLN300K100P60(3)_3	1.80	0.00	288.00	100.00	35806	77
LLN300K100P60(3)_4	1.80	0.00	279.00	100.00	42123	77
LLN300K100P60(3)_5	1.20	0.00	270.00	100.00	36124	79
LLN300K100P60(3)_6	2.40	0.00	287.00	100.00	30926	80
LLN300K100P60(3)_7	1.80	0.00	279.00	100.00	38958	79
LLN300K100P60(3)_8	1.20	0.00	293.00	100.00	41584	80
LLN300K100P60(3)_9	1.80	0.00	291.00	100.00	30275	77
LLN300K100P60(3)_10	0.60	0.00	288.00	100.00	38860	80
LLN300K100P60(4)_1 LLN300K100P60(4)_2	3.00	3.00	286.00	177.00	35036	12813
LLN300K100P60(4)_2 LLN300K100P60(4)_3	3.60	2.40	284.00	200.00	32910	11896
LLN300K100P60(4)_3 LLN300K100P60(4)_4	3.60 1.20	3.00	281.00	188.00	32329	12982
	1.20	1.80	285.00	170.00	40851	14370
LLN300K100P60(4)_5	3.60	2.40	289.00 285.00	248.00	41410 30939	13425
LLN300K100P60(4)_6 LLN300K100P60(4)_7	3.00	2.40 1.80	280.00	252.00 245.00	29391	$\frac{11871}{21577}$
LLN300K100P60(4)_/ LLN300K100P60(4)_8	2.40	3.00	287.00	144.00	41403	11738
LLN300K100P60(4)_8 LLN300K100P60(4)_9	3.60	1.80	280.00	281.00	25935	13193
LLN300K100P60(4)_9 LLN300K100P60(4)_10	4.20	1.80	274.00	178.00	30800	14060
LLN300K100P60(5)_1	2.40	0.00	285.00	100.00	36119	72
LLN300K100P60(5)_1 LLN300K100P60(5)_2	1.80	0.00	289.00	100.00	33607	71
LLN300K100P60(5)_2 LLN300K100P60(5)_3	1.80	0.00	293.00	100.00	39742	71
LLN300K100P60(5)_3 LLN300K100P60(5)_4	4.80	0.00	290.00	100.00	29338	71
LLN300K100P60(5)_5	7.20	0.00	294.00	100.00	22001	70
LLN300K100P60(5)_6	0.60	0.00	280.00	100.00	39574	72
LLN300K100P60(5)_7	3.60	0.00	284.00	100.00	39541	71
LLN300K100P60(5)_8	4.20	0.00	274.00	100.00	38947	72
LLN300K100P60(5)_9	1.80	0.00	284.00	100.00	37273	70
LLN300K100P60(5)_10	1.80	0.00	277.00	100.00	39230	73
LLN300K100P60(6)_1	4.20	0.00	294.00	100.00	26481	71
LLN300K100P60(6)_2	1.20	0.00	292.00	100.00	39383	$\frac{71}{71}$
LLN300K100P60(6)_3	3.00	0.00	287.00	100.00	38949	$\frac{71}{71}$
LL13001X1001 00(0)_3	0.00	0.00	201.00	100.00	00049	1.1

ILIN300K100P60(6).4 1.80		Total lo	ss value	Number	of active MDs	Time	(ms)
LLN300K100P60(6).5	Instance_#Run			GA	GGA		. ,
LLN300K100P60(6).5	LLN300K100P60(6) 4	1.80	0.00	286.00	100.00	30441	72
LLN300K100P60(6).6 3.00 0.00 272.00 100.00 39088 69 LLN300K100P60(6).7 2.40 0.00 281.00 100.00 39226 70 LLN300K100P60(6).9 3.60 0.00 226.00 100.00 39226 70 LLN300K100P60(6).10 3.00 0.00 286.00 100.00 37633 70 LLN300K100P60(6).11 1.80 0.60 263.00 137.00 37826 9024 11.N300K100P60(7).2 3.00 0.60 291.00 141.00 37226 8955 LLN300K100P60(7).3 3.60 0.60 291.00 141.00 37202 8955 LLN300K100P60(7).3 3.60 0.60 276.00 164.00 37202 8955 LLN300K100P60(7).4 1.20 0.60 285.00 122.00 40737 8674 LLN300K100P60(7).5 1.20 0.60 285.00 122.00 40737 8674 LLN300K100P60(7).5 1.20 0.60 285.00 134.00 38420 9179 LLN300K100P60(7).7 3.00 0.60 285.00 134.00 38420 9179 LLN300K100P60(7).7 3.00 0.60 285.00 134.00 38420 9179 LLN300K100P60(7).7 3.00 0.60 285.00 134.00 38420 9179 LLN300K100P60(7).10 7.20 0.60 291.00 146.00 22614 9040 LLN300K100P60(7).10 7.20 0.60 291.00 146.00 22614 9040 LLN300K100P60(8).1 4.20 0.00 263.00 100.00 39278 76 LLN300K100P60(8).3 4.20 0.00 263.00 100.00 39278 76 LLN300K100P60(8).3 4.60 0.00 277.00 100.00 39278 76 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 38227 76 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 38221 76 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 38221 76 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 33221 76 LLN300K100P60(9).5 0.00 0.00 286.00 100.00 37407 77 LLN300K100P60(9).5 0.00 0.00 286.00 100.00 37407 77 LLN300K100P60(9).5 0.00 0.00 286.00 100.00 37457 77 LLN300K100P60(9).5 0.00 0.00	. ,						
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LLN300K100P60(7).2 3.00	` /						
LLN300K100P60(7).3 3.60 0.60 276.00 164.00 37202 8955 LLN300K100P60(7).5 1.20 0.60 280.00 122.00 40797 8674 LLN300K100P60(7).5 1.20 0.60 287.00 145.00 40971 9185 LLN300K100P60(7).5 2.40 0.60 287.00 145.00 38420 9179 LLN300K100P60(7).7 3.00 0.60 289.00 134.00 38420 9179 LLN300K100P60(7).8 2.40 0.60 286.00 131.00 32426 8917 LLN300K100P60(7).9 1.80 0.60 292.00 139.00 24352 9332 LLN300K100P60(7).10 7.20 0.60 292.00 139.00 24352 9332 LLN300K100P60(7).10 7.20 0.60 292.00 139.00 24352 9332 LLN300K100P60(8).1 4.20 0.00 273.00 100.00 25467 76 LLN300K100P60(8).2 1.80 0.00 273.00 100.00 39278 76 LLN300K100P60(8).3 0.60 0.00 277.00 100.00 39278 76 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 39288 75 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 35445 77 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 33221 76 LLN300K100P60(8).6 1.80 0.00 285.00 100.00 33221 76 LLN300K100P60(8).7 4.80 0.00 282.00 100.00 32100 76 LLN300K100P60(8).9 1.80 0.00 282.00 100.00 32100 76 LLN300K100P60(8).9 1.80 0.00 282.00 100.00 32100 76 LLN300K100P60(8).9 1.80 0.00 283.00 100.00 32100 76 LLN300K100P60(9).1 2.40 0.00 273.00 100.00 3799 75 LLN300K100P60(9).2 2.40 0.00 283.00 100.00 3799 75 LLN300K100P60(9).3 0.60 0.00 283.00 100.00 3799 75 LLN300K100P60(9).5 0.00 0.00 273.00 100.00 3799 75 LLN300K100P60(10).5 0.00 0.00 273.00 100.00 3799 75 LLN300K100P60(10).5 0.00 0.00 273.00 100.00 37482 78 LLN300K100P60(10).5 0.00 0.00 273.00 100.00	. ,						
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LLN300K100P60(8).4 0.60 0.00 277.00 100.00 35445 77 LLN300K100P60(8).5 1.20 0.00 286.00 100.00 28837 76 LLN300K100P60(8).6 1.80 0.00 285.00 100.00 41720 77 LLN300K100P60(8).7 4.80 0.00 285.00 100.00 43053 77 LLN300K100P60(8).8 1.20 0.00 284.00 100.00 40593 77 LLN300K100P60(8).10 0.60 0.00 286.00 100.00 32100 76 LLN300K100P60(9).1 2.40 0.00 283.00 100.00 32799 75 LLN300K100P60(9).2 2.40 0.00 283.00 100.00 41340 78 LLN300K100P60(9).3 0.60 0.00 283.00 100.00 40722 79 LLN300K100P60(9).4 2.40 0.00 274.00 100.00 3819 77 LLN300K100P60(9).5 0.00 0.00 283.00 100.00	` '						
LLN300K100P60(8).5	LLN300K100P60(8)_3	0.60	0.00	290.00	100.00	30098	75
LLN300K100P60(8).6 1.80 0.00 266.00 100.00 41720 77 LLN300K100P60(8).7 4.80 0.00 285.00 100.00 33221 76 LLN300K100P60(8).8 1.20 0.00 284.00 100.00 40593 77 LLN300K100P60(8).9 1.80 0.00 282.00 100.00 32100 76 LLN300K100P60(8).10 0.60 0.00 286.00 100.00 32799 75 LLN300K100P60(9).1 2.40 0.00 273.00 100.00 41340 78 LLN300K100P60(9).2 2.40 0.00 286.00 100.00 30265 79 LLN300K100P60(9).3 0.60 0.00 286.00 100.00 3079 78 LLN300K100P60(9).4 2.40 0.00 274.00 100.00 30819 77 LN300K100P60(9).5 0.00 0.00 283.00 100.00 30819 77 LLN300K100P60(9).6 0.60 0.00 279.00 100.00	LLN300K100P60(8)_4	0.60	0.00	277.00	100.00	35445	77
LLN300K100P60(8).7 4.80 0.00 285.00 100.00 33221 76 LLN300K100P60(8).8 1.20 0.00 284.00 100.00 40593 77 LLN300K100P60(8).9 1.80 0.00 282.00 100.00 32100 76 LLN300K100P60(9).1 2.40 0.00 286.00 100.00 32799 75 LLN300K100P60(9).2 2.40 0.00 283.00 100.00 41340 78 LLN300K100P60(9).2 2.40 0.00 283.00 100.00 40722 79 LLN300K100P60(9).3 0.60 0.00 286.00 100.00 31790 78 LLN300K100P60(9).4 2.40 0.00 274.00 100.00 30819 77 LLN300K100P60(9).5 0.60 0.00 283.00 100.00 39977 78 LLN300K100P60(9).6 0.60 0.00 279.00 100.00 39977 78 LLN300K100P60(9).9 2.40 0.00 277.00 100.00	LLN300K100P60(8)_5	1.20	0.00	286.00	100.00	28837	76
LLN300K100P60(8).8 1.20 0.00 284.00 100.00 40593 77 LLN300K100P60(8).9 1.80 0.00 282.00 100.00 32100 76 LLN300K100P60(8).10 0.60 0.00 286.00 100.00 32799 75 LLN300K100P60(9).1 2.40 0.00 273.00 100.00 41340 78 LLN300K100P60(9).2 2.40 0.00 283.00 100.00 30265 79 LLN300K100P60(9).3 0.60 0.00 286.00 100.00 30265 79 LLN300K100P60(9).4 2.40 0.00 274.00 100.00 31790 78 LLN300K100P60(9).5 0.00 0.00 230.00 100.00 39977 78 LLN300K100P60(9).6 0.60 0.00 279.00 100.00 39977 78 LLN300K100P60(9).7 0.60 0.00 277.00 100.00 37326 77 LLN300K100P60(9).9 2.40 0.00 277.00 100.00	LLN300K100P60(8)_6	1.80	0.00	266.00	100.00	41720	77
LLN300K100P60(8)_9 1.80 0.00 282.00 100.00 32100 76 LLN300K100P60(8)_10 0.60 0.00 286.00 100.00 32799 75 LLN300K100P60(9)_1 2.40 0.00 273.00 100.00 41340 78 LLN300K100P60(9)_2 2.40 0.00 283.00 100.00 30265 79 LLN300K100P60(9)_3 0.60 0.00 286.00 100.00 30722 79 LLN300K100P60(9)_4 2.40 0.00 274.00 100.00 31790 78 LLN300K100P60(9)_5 0.60 0.00 300.00 100.00 30819 77 LLN300K100P60(9)_6 0.60 0.00 283.00 100.00 39977 78 LLN300K100P60(9)_7 0.60 0.00 279.00 100.00 37326 77 LLN300K100P60(9)_9 2.40 0.00 271.00 100.00 30145 77 LLN300K100P60(10)_1 3.00 0.00 275.00 100.00	LLN300K100P60(8)_7	4.80	0.00	285.00	100.00	33221	76
LLN300K100P60(8)_10	LLN300K100P60(8)_8	1.20	0.00	284.00	100.00	40593	77
LLN300K100P60(9)_1 2.40 0.00 273.00 100.00 41340 78 LLN300K100P60(9)_2 2.40 0.00 283.00 100.00 30265 79 LLN300K100P60(9)_3 0.60 0.00 286.00 100.00 40722 79 LLN300K100P60(9)_4 2.40 0.00 274.00 100.00 31790 78 LLN300K100P60(9)_5 0.00 0.00 300.00 100.00 3819 77 LLN300K100P60(9)_6 0.60 0.00 283.00 100.00 39977 78 LLN300K100P60(9)_8 1.20 0.00 279.00 100.00 39977 78 LLN300K100P60(9)_8 1.20 0.00 277.00 100.00 37326 77 LLN300K100P60(9)_9 2.40 0.00 271.00 100.00 30145 77 LLN300K100P60(9)_10 0.60 0.00 275.00 100.00 30767 77 LLN300K100P60(10)_1 3.00 0.00 282.00 100.00	LLN300K100P60(8)_9	1.80	0.00	282.00	100.00	32100	76
LLN300K100P60(9)_1 2.40 0.00 273.00 100.00 41340 78 LLN300K100P60(9)_2 2.40 0.00 283.00 100.00 30265 79 LLN300K100P60(9)_3 0.60 0.00 286.00 100.00 40722 79 LLN300K100P60(9)_4 2.40 0.00 274.00 100.00 31790 78 LLN300K100P60(9)_5 0.00 0.00 300.00 100.00 3819 77 LLN300K100P60(9)_6 0.60 0.00 283.00 100.00 39977 78 LLN300K100P60(9)_8 1.20 0.00 279.00 100.00 39977 78 LLN300K100P60(9)_8 1.20 0.00 277.00 100.00 37326 77 LLN300K100P60(9)_9 2.40 0.00 271.00 100.00 30145 77 LLN300K100P60(9)_10 0.60 0.00 275.00 100.00 30767 77 LLN300K100P60(10)_1 3.00 0.00 282.00 100.00	LLN300K100P60(8)_10	0.60	0.00		100.00	32799	75
LLN300K100P60(9)_2 2.40 0.00 283.00 100.00 30265 79 LLN300K100P60(9)_3 0.60 0.00 286.00 100.00 40722 79 LLN300K100P60(9)_4 2.40 0.00 274.00 100.00 31790 78 LLN300K100P60(9)_5 0.00 0.00 300.00 100.00 30819 77 LLN300K100P60(9)_6 0.60 0.00 283.00 100.00 39977 78 LLN300K100P60(9)_7 0.60 0.00 279.00 100.00 37326 77 LLN300K100P60(9)_8 1.20 0.00 277.00 100.00 37326 77 LLN300K100P60(9)_10 0.60 0.00 275.00 100.00 30145 77 LLN300K100P60(10)_1 3.00 0.00 225.00 100.00 37482 78 LLN300K100P60(10)_2 3.60 0.00 282.00 100.00 36707 76 LLN300K100P60(10)_3 1.80 0.00 280.00 100.00	LLN300K100P60(9)_1	2.40	0.00	273.00	100.00	41340	78
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LLN300K100P70(1)_10 3.50 0.00 269.00 100.00 31802 73							
<u></u>	LLN300K100P70(1)_10	3.50	0.00	269.00	100.00	31802	73

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K100P70(2)_1	2.80	0.00	267.00	100.00	36956	71
LLN300K100P70(2)_2	1.40	0.00	279.00	100.00	39861	73
LLN300K100P70(2)_3	1.40	0.00	290.00	100.00	39733	71
LLN300K100P70(2)_4	2.10	0.00	266.00	100.00	35147	72
LLN300K100P70(2)_5	3.50	0.00	283.00	100.00	33772	70
LLN300K100F70(2)_6	3.50	0.00	276.00	100.00	31591	72
LLN300K100F70(2)_7	1.40	0.00	263.00	100.00	39750	73
LLN300K100P70(2)_7 LLN300K100P70(2)_8	2.10	0.00	278.00	100.00		72
` '					39834	
LLN300K100P70(2)_9	3.50	0.00	288.00	100.00	26301	71
LLN300K100P70(2)_10	1.40	0.00	281.00	100.00	37956	72
LLN300K100P70(3)_1	2.10	0.00	281.00	100.00	39674	79
LLN300K100P70(3)_2	2.10	0.00	282.00	100.00	33730	78
LLN300K100P70(3)_3	0.70	0.00	287.00	100.00	42393	78
LLN300K100P70(3)_4	2.10	0.00	274.00	100.00	34591	78
LLN300K100P70(3)_5	2.80	0.00	280.00	100.00	39141	79
LLN300K100P70(3)_6	1.40	0.00	263.00	100.00	25817	79
LLN300K100P70(3)_7	1.40	0.00	296.00	100.00	39304	78
LLN300K100P70(3)_8	2.10	0.00	277.00	100.00	25955	79
LLN300K100P70(3)_9	1.40	0.00	279.00	100.00	30474	79
LLN300K100P70(3)_10	0.70	0.00	280.00	100.00	31245	77
LLN300K100P70(4)_1	2.10	3.50	287.00	196.00	41097	12133
LLN300K100P70(4)_2	2.10	2.10	273.00	234.00	40950	13424
LLN300K100P70(4)_3	3.50	2.80	276.00	240.00	40794	11098
LLN300K100P70(4)_4	2.80	2.10	280.00	183.00	36533	13921
LLN300K100P70(4)_5	4.20	2.10	270.00	172.00	29488	12734
LLN300K100P70(4)_6	0.70	2.80	289.00	230.00	41285	15913
LLN300K100P70(4)_7	0.70	1.40	280.00	240.00	41020	22624
LLN300K100P70(4)_8	1.40	2.80	274.00	234.00	40905	11777
LLN300K100P70(4)_9	0.70	2.80	286.00	205.00	41078	16751
LLN300K100P70(4)_10	3.50	3.50	278.00	267.00	40643	12281
LLN300K100P70(5)_1	5.60	0.00	271.00	100.00	29481	71
LLN300K100P70(5)_2	2.10	0.00	278.00	100.00	30757	71
LLN300K100P70(5)_3	3.50	0.00	278.00	100.00	39836	72
LLN300K100P70(5)_4	2.10	0.00	284.00	100.00	35760	70
LLN300K100P70(5)_5	2.10	0.00	279.00	100.00	37133	71
LLN300K100P70(5)_6	0.70	0.00	286.00	100.00	38450	71
LLN300K100P70(5)_7	1.40	0.00	289.00	100.00	39538	71
LLN300K100P70(5)_8	1.40	0.00	290.00	100.00	35483	71
LLN300K100P70(5)_8 LLN300K100P70(5)_9	0.70	0.00		100.00		71
			291.00		38700	72
LLN300K100P70(5)_10	2.10	0.00	287.00	100.00	39347	
LLN300K100P70(6)_1	2.80	0.00	268.00	100.00	39117	70
LLN300K100P70(6)_2	3.50	0.00	289.00	100.00	39477	70
LLN300K100P70(6)_3	2.80	0.00	280.00	100.00	31994	69
LLN300K100P70(6)_4	2.10	0.00	285.00	100.00	38851	70
LLN300K100P70(6)_5	7.70	0.00	293.00	100.00	22638	70
LLN300K100P70(6)_6	5.60	0.00	272.00	100.00	27957	70
LLN300K100P70(6)_7	2.10	0.00	291.00	100.00	37389	70
LLN300K100P70(6)_8	2.80	0.00	281.00	100.00	38795	70
LLN300K100P70(6)_9	4.20	0.00	270.00	100.00	34417	69
LLN300K100P70(6)_10	4.20	0.00	286.00	100.00	25873	71
LLN300K100P70(7)_1	3.50	0.70	272.00	175.00	25297	9265
LLN300K100P70(7)_2	2.80	0.70	278.00	115.00	40945	9390
LLN300K100P70(7)_3	3.50	0.00	280.00	149.00	39828	6456
LLN300K100P70(7)_4	2.80	0.70	269.00	161.00	39085	9322
LLN300K100P70(7)_5	6.30	0.70	286.00	127.00	24520	8911
LLN300K100P70(7)_6	1.40	0.70	278.00	151.00	33551	9064
LLN300K100P70(7)_7	2.80	0.70	289.00	183.00	29663	9377
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-	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K100P70(7)_8	2.10	0.70	280.00	150.00	35027	9097
LLN300K100P70(7)_9	$\frac{2.10}{3.50}$	0.70	272.00	126.00	37492	8745
LLN300K100F70(7)_10	2.80	0.70	287.00	133.00	37156	9025
LLN300K100P70(8)_1	$\frac{2.30}{2.10}$	0.00	293.00	100.00	36437	$\frac{3025}{76}$
LLN300K100P70(8)_1 LLN300K100P70(8)_2	$\frac{2.10}{1.40}$	0.00	274.00	100.00	32448	75
` '						$\frac{76}{76}$
LLN300K100P70(8)_3	0.00	0.00	298.00	100.00	29541	
LLN300K100P70(8)_4	3.50	0.00	278.00	100.00	34371	75
LLN300K100P70(8)_5	2.80	0.00	276.00	100.00	34702	78
LLN300K100P70(8)_6	1.40	0.00	271.00	100.00	41341	76
LLN300K100P70(8)_7	2.10	0.00	277.00	100.00	35341	75
LLN300K100P70(8)_8	2.10	0.00	295.00	100.00	30003	77
LLN300K100P70(8)_9	1.40	0.00	282.00	100.00	33489	76
LLN300K100P70(8)_10	2.80	0.00	287.00	100.00	27958	76
LLN300K100P70(9)_1	0.00	0.00	279.00	100.00	30185	77
LLN300K100P70(9)_2	1.40	0.00	289.00	100.00	42582	78
LLN300K100P70(9)_3	0.70	0.00	272.00	100.00	42382	77
LLN300K100P70(9)_4	2.10	0.00	281.00	100.00	38071	78
LLN300K100P70(9)_5	2.80	0.00	279.00	100.00	39241	78
LLN300K100P70(9)_6	1.40	0.00	279.00	100.00	37216	77
LLN300K100P70(9)_7	2.10	0.00	284.00	100.00	37471	78
LLN300K100P70(9)_8	1.40	0.00	280.00	100.00	35007	77
LLN300K100P70(9)_9	2.10	0.00	281.00	100.00	42162	78
LLN300K100P70(9)_10	6.30	0.00	265.00	100.00	23359	77
LLN300K100P70(10)_1	1.40	0.00	285.00	100.00	36136	76
LLN300K100P70(10)_2	3.50	0.00	285.00	100.00	31595	75
LLN300K100P70(10)_3	3.50	0.00	277.00	100.00	34032	76
LLN300K100P70(10)_4	2.80	0.00	278.00	100.00	32563	76
LLN300K100P70(10)_5	2.10	0.00	276.00	100.00	33328	77
LLN300K100P70(10)_6	3.50	0.00	286.00	100.00	35468	76
LLN300K100P70(10)_7	2.10	0.00	292.00	100.00	34079	76
LLN300K100P70(10)_8	2.80	0.00	268.00	100.00	34764	76
LLN300K100P70(10)_9	1.40	0.00	293.00	100.00	39314	77
LLN300K100P70(10)_10	2.10	0.00	291.00	100.00	36044	76
LLN300K100P80(1)_1	$\frac{2.10}{1.25}$	0.10	292.00	270.00	42244	42585
LLN300K100P80(1)_2	2.01	0.16	296.00	258.00	42095	42185
LLN300K100F80(1)_3	1.89	0.10	286.00	294.00	41795	39076
LLN300K100P80(1)_3 LLN300K100P80(1)_4	1.72	0.17	292.00	214.00	42307	41949
LLN300K100P80(1)_4 LLN300K100P80(1)_5		0.14	293.00		42307	42525
	3.51			271.00	41937	
LLN300K100P80(1)_6	2.01	0.16	295.00	248.00		42083
LLN300K100P80(1)_7	1.98	0.19	293.00	252.00	42158	39765
LLN300K100P80(1)_8	2.13	0.17	297.00	267.00	42355	42499
LLN300K100P80(1)_9	1.17	0.89	290.00	281.00	42376	42479
LLN300K100P80(1)_10	1.30	0.16	289.00	282.00	42320	42238
LLN300K100P80(2)_1	1.22	0.23	298.00	295.00	41563	42047
LLN300K100P80(2)_2	2.26	0.27	300.00	291.00	41035	42126
LLN300K100P80(2)_3	2.91	0.25	298.00	287.00	41347	42042
LLN300K100P80(2)_4	2.37	0.28	294.00	283.00	41122	41980
LLN300K100P80(2)_5	2.93	0.27	292.00	292.00	40914	41880
LLN300K100P80(2)_6	4.47	1.84	276.00	276.00	40913	42008
LLN300K100P80(2)_7	2.13	0.31	285.00	282.00	41135	42028
LLN300K100P80(2)_8	1.31	0.24	295.00	282.00	41377	41815
LLN300K100P80(2)_9	2.87	0.24	295.00	289.00	41182	41893
LLN300K100P80(2)_10	2.81	0.23	290.00	292.00	41142	42006
LLN300K100P80(3)_1	1.77	0.94	298.00	289.00	44297	28175
LLN300K100P80(3)_2	2.44	0.25	286.00	257.00	44300	43850
LLN300K100P80(3)_3	2.02	0.16	291.00	244.00	43772	43284
LLN300K100P80(3)_4	1.09	0.20	290.00	215.00	44162	34601
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Instance_#Run	~ .					(ms)
	GA	GGA	GA	GGA	GA	GGA
LLN300K100P80(3)_5	1.27	0.11	298.00	275.00	43947	43569
LLN300K100P80(3)_6	2.68	0.13	294.00	251.00	43970	43370
LLN300K100P80(3)_7	2.62	0.21	293.00	253.00	44238	30049
LLN300K100P80(3)_8	1.74	0.10	290.00	277.00	44358	43840
LLN300K100P80(3)_9	1.92	0.92	286.00	267.00	44270	43402
LLN300K100P80(3)_10	1.90	0.15	286.00	261.00	44109	43146
LLN300K100P80(4)_1	2.90	0.49	299.00	240.00	41960	42301
LLN300K100P80(4)_2	3.00	2.10	287.00	230.00	41832	41539
LLN300K100P80(4)_3	2.22	1.27	292.00	220.00	42270	42032
LLN300K100P80(4)_4	4.48	0.65	294.00	276.00	42030	42171
LLN300K100P80(4)_5	2.89	1.98	295.00	254.00	42162	41969
LLN300K100P80(4)_6	3.01	1.18	280.00	271.00	42045	42950
LLN300K100P80(4)_7	1.19	2.85	294.00	246.00	42271	41569
LLN300K100P80(4)_8	4.26	2.83	289.00	266.00	42702	42294
LLN300K100P80(4)_9	4.30	2.11	290.00	246.00	42379	41697
LLN300K100P80(4)_10	2.88	2.07	291.00	266.00	42697	41858
LLN300K100P80(5)_1	2.25	0.61	294.00	261.00	40647	41257
LLN300K100P80(5)_2	4.47	7.47	281.00	296.00	40482	41368
LLN300K100P80(5)_3	3.08	1.34	286.00	291.00	40716	41404
LLN300K100P80(5)_4	2.12	0.56	297.00	299.00	41046	41522
LLN300K100P80(5)_5	3.66	0.60	294.00	279.00	40714	41479
LLN300K100P80(5)_6	2.74	1.37	299.00	215.00	41004	40832
LLN300K100P80(5)_7	5.44	2.09	298.00	290.00	40675	41596
LLN300K100P80(5)_8	3.70	0.55	288.00	274.00	40954	41427
LLN300K100P80(5)_9	2.18	0.62	291.00	289.00	40635	41505
LLN300K100P80(5)_10	2.14	0.54	285.00	252.00	40634	41123
LLN300K100P80(6)_1	2.17	0.47	284.00	285.00	40276	40996
LLN300K100P80(6)_2	3.68	0.37	290.00	292.00	40440	40997
LLN300K100P80(6)_3	2.99	1.24	293.00 294.00	289.00	39882	41142
LLN300K100P80(6)_4 LLN300K100P80(6)_5	$\frac{2.87}{3.47}$	0.49 1.22	294.00	293.00 254.00	40590	40787
LLN300K100P80(6)_6	4.53	$\frac{1.22}{0.47}$	290.00	284.00	40605	41073
LLN300K100P80(6)_7	1.38	1.98	296.00	281.00	40681	40788
LLN300K100P80(6)_8	4.49	1.39	289.00	194.00	40645	40213
LLN300K100P80(6)_9	3.71	0.49	295.00	270.00	40381	40932
LLN300K100P80(6)_10	6.12	0.43	284.00	280.00	40012	40901
LLN300K100P80(7)_1	2.00	$\frac{0.32}{0.37}$	299.00	217.00	42541	42092
LLN300K100P80(7)_2	1.88	0.31	298.00	218.00	43202	38755
LLN300K100P80(7)_3	2.00	1.10	288.00	207.00	42809	41929
LLN300K100P80(7)_4	3.73	0.23	295.00	276.00	42628	42803
LLN300K100P80(7)_5	1.98	1.04	295.00	245.00	42855	42571
LLN300K100P80(7)_6	1.97	0.30	297.00	234.00	42656	42663
LLN300K100P80(7)_7	3.37	0.27	289.00	252.00	42650	42376
LLN300K100P80(7)_8	2.07	0.29	287.00	230.00	42393	42751
LLN300K100P80(7)_9	4.36	1.16	287.00	242.00	42540	42210
LLN300K100P80(7)_10	2.56	0.28	294.00	214.00	42783	42402
LLN300K100P80(8)_1	1.17	0.08	300.00	236.00	43091	36252
LLN300K100P80(8)_2	1.21	0.94	293.00	295.00	43260	44387
LLN300K100P80(8)_3	2.13	0.15	282.00	290.00	43177	29625
LLN300K100P80(8)_4	2.73	0.12	288.00	227.00	43140	43418
LLN300K100P80(8)_5	1.90	0.12	294.00	275.00	43455	43694
LLN300K100P80(8)_6	1.80	0.17	297.00	215.00	43219	44084
LLN300K100P80(8)_7	1.92	0.14	298.00	256.00	43612	43781
LLN300K100P80(8)_8	1.20	0.12	287.00	279.00	43272	43474
LLN300K100P80(8)_9	3.55	0.15	274.00	223.00	43001	43252
LLN300K100P80(8)_10	4.34	0.12	286.00	288.00	43140	44003
LLN300K100P80(9)_1	1.33	0.08	287.00	232.00	43085	12382

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K100P80(9)_2	2.50	0.08	291.00	224.00	43830	15036
LLN300K100P80(9)_3	1.83	0.06	292.00	240.00	44246	21369
LLN300K100P80(9)_4	1.79	0.04	287.00	221.00	43917	38882
LLN300K100P80(9)_5	1.15	0.06	281.00	220.00	43448	17743
LLN300K100P80(9)_6	1.92	0.07	297.00	181.00	43657	17679
LLN300K100P80(9)_7	2.72	0.06	290.00	235.00	42983	21416
LLN300K100P80(9)_8	1.74	0.06	276.00	219.00	43511	25152
LLN300K100P80(9)_9	1.83	0.03	292.00	173.00	44336	32097
LLN300K100P80(9)_10	1.08	0.07	286.00	221.00	44194	17687
LLN300K100P80(10)_1	2.89	0.22	293.00	246.00	42628	43142
LLN300K100P80(10)_2	2.94	0.22	294.00	271.00	42501	43303
LLN300K100P80(10)_3	1.20	1.07	296.00	248.00	43214	37450
LLN300K100P80(10)_4	2.12	0.33	298.00	275.00	42764	42639
LLN300K100P80(10)_5	2.18	0.31	290.00	216.00	42771	35392
LLN300K100P80(10)_6	2.74	0.27	292.00	234.00	42725	42892
LLN300K100P80(10)_7	2.70	1.00	294.00	230.00	42725	42570
LLN300K100P80(10)_8	2.02	1.08	293.00	222.00	43335	42376
LLN300K100P80(10)_9	2.01	0.26	289.00	224.00	42893	42388
LLN300K100P80(10)_10	2.86	0.26	298.00	245.00	43189	42855
LLN300K140P50(1)_1	8.00	3.00	284.00	281.00	44064	20965
LLN300K140P50(1)_2	8.00	3.50	279.00	200.00	44084	12543
LLN300K140P50(1)_3	9.00	3.00	268.00	213.00	44117	12541
LLN300K140P50(1)_4	10.00	3.50	289.00	205.00	43660	11276
LLN300K140P50(1)_5	4.50	4.00	287.00	228.00	44420	11276
LLN300K140P50(1)_6	7.50	3.00	286.00	205.00	44377	16112
LLN300K140P50(1)_7	5.00	3.50	291.00	232.00	44515	13775
LLN300K140P50(1)_8 LLN300K140P50(1)_9	6.00	3.50	296.00 293.00	246.00 167.00	40910	12529 12940
LLN300K140P50(1)_9 LLN300K140P50(1)_10	9.50	3.00	293.00	258.00	44017	20293
LLN300K140P50(2)_1	9.00	4.00	292.00	248.00	43107	$\frac{20293}{15612}$
LLN300K140P50(2)_2	6.00	3.50	285.00	244.00	43481	27876
LLN300K140P50(2)_3	8.50	$\frac{3.50}{4.50}$	269.00	261.00	43053	12095
LLN300K140P50(2)_4	9.50	3.50	277.00	286.00	40174	16718
LLN300K140P50(2)_5	7.00	4.00	288.00	234.00	43056	13988
LLN300K140P50(2)_6	9.50	4.00	286.00	237.00	42861	18617
LLN300K140P50(2)_7	8.50	4.00	277.00	222.00	42717	17300
LLN300K140P50(2)_8	8.00	4.00	284.00	241.00	42950	13314
LLN300K140P50(2)_9	9.50	5.00	293.00	245.00	43132	11586
LLN300K140P50(2)_10	10.50	4.00	283.00	224.00	42757	20867
LLN300K140P50(3)_1	4.50	1.00	284.00	272.00	46409	15633
LLN300K140P50(3)_2	6.00	1.50	269.00	269.00	45937	15687
LLN300K140P50(3)_3	4.50	1.50	280.00	260.00	46344	20206
LLN300K140P50(3)_4	6.00	1.50	296.00	253.00	46164	13228
LLN300K140P50(3)_5	7.50	1.50	292.00	253.00	42013	14505
LLN300K140P50(3)_6	5.00	1.00	290.00	223.00	45543	25622
LLN300K140P50(3)_7	7.00	2.00	284.00	224.00	45954	13030
LLN300K140P50(3)_8	4.00	1.00	294.00	270.00	45849	15941
LLN300K140P50(3)_9	2.00	2.00	296.00	225.00	46453	12257
LLN300K140P50(3)_10	8.00	1.50	293.00	198.00	45447	18901
LLN300K140P50(4)_1	9.00	6.50	280.00	241.00	44667	36150
LLN300K140P50(4)_2	7.00	5.50	288.00	246.00	45165	37343
LLN300K140P50(4)_3	6.50	8.50	271.00	224.00	42432	27595
LLN300K140P50(4)_4	6.00	5.00	284.00	233.00	45398	31646
LLN300K140P50(4)_5	7.00	7.00	292.00	230.00	44854	25457
LLN300K140P50(4)_6	6.50	5.50	283.00	223.00	45005	41025
LLN300K140P50(4)_7	5.50	6.00	293.00	236.00	45610	44757
LLN300K140P50(4)_8	6.00	7.00	282.00	253.00	45299	28400

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K140P50(4)_9	7.00	8.00	286.00	215.00	45564	33507
LLN300K140P50(4)_10	6.00	5.00	288.00	241.00	45357	36363
LLN300K140P50(5)_1	11.00	7.00	286.00	266.00	42491	23315
LLN300K140P50(5)_2	10.50	8.00	291.00	244.00	42505	14722
LLN300K140P50(5)_3	9.50	7.00	287.00	253.00	42989	15409
LLN300K140P50(5)_4	8.00	6.50	292.00	256.00	42795	20878
LLN300K140P50(5)_5	9.50	8.00	296.00	280.00	42193	$\frac{20373}{15291}$
LLN300K140P50(5)_6	7.50	6.50	288.00	234.00	42728	$\frac{15251}{16951}$
LLN300K140P50(5)_7	8.00	7.00	293.00	254.00	43205	20280
LLN300K140F50(5)_8	9.00	8.00	277.00	229.00	43203	14908
LLN300K140P50(5)_8 LLN300K140P50(5)_9	7.50	7.00	276.00	251.00		17616
LLN300K140P50(5)_10	11.50		278.00	252.00	42903 42428	
LLN300K140P50(6)_1		$\frac{7.00}{6.50}$	291.00	281.00		19959
	8.00	6.00			43226	14198
LLN300K140P50(6)_2	8.00		286.00	276.00	43241	17694
LLN300K140P50(6)_3	8.50	6.50	281.00	248.00	43161	15075
LLN300K140P50(6)_4	11.50	5.50	277.00	241.00	42546	20272
LLN300K140P50(6)_5	8.00	6.50	277.00	276.00	43145	21547
LLN300K140P50(6)_6	8.50	6.50	296.00	234.00	43203	19015
LLN300K140P50(6)_7	7.50	5.50	292.00	218.00	43060	27336
LLN300K140P50(6)_8	8.00	5.50	295.00	267.00	42891	20886
LLN300K140P50(6)_9	7.50	6.00	292.00	246.00	43057	28567
LLN300K140P50(6)_10	7.50	6.00	295.00	199.00	43583	17153
LLN300K140P50(7)_1	5.00	6.50	290.00	224.00	44963	21001
LLN300K140P50(7)_2	6.00	5.00	284.00	244.00	45289	41995
LLN300K140P50(7)_3	6.50	5.00	288.00	239.00	44459	26578
LLN300K140P50(7)_4	9.00	5.00	290.00	268.00	44884	28555
LLN300K140P50(7)_5	5.50	6.50	295.00	224.00	44607	32410
LLN300K140P50(7)_6	8.00	5.50	289.00	231.00	44872	29618
LLN300K140P50(7)_7	7.00	4.50	284.00	242.00	44389	43593
LLN300K140P50(7)_8	6.50	5.00	287.00	237.00	44673	36127
LLN300K140P50(7)_9	8.00	6.00	283.00	288.00	44417	23558
LLN300K140P50(7)_10	7.00	5.50	283.00	258.00	44679	31433
LLN300K140P50(8)_1	7.50	1.50	295.00	240.00	45146	13418
LLN300K140P50(8)_2	5.50	1.50	296.00	249.00	45367	15615
LLN300K140P50(8)_3	8.00	1.50	283.00	234.00	44895	12797
LLN300K140P50(8)_4	5.50	1.50	294.00	256.00	45545	11686
LLN300K140P50(8)_5	5.50	2.00	287.00	258.00	45208	12173
LLN300K140P50(8)_6	7.50	2.00	288.00	262.00	45042	11041
LLN300K140P50(8)_7	7.00	2.00	287.00	218.00	45128	11416
LLN300K140P50(8)_8	7.00	2.00	293.00	230.00	45110	11828
LLN300K140P50(8)_9	6.00	1.50	293.00	241.00	45100	12422
LLN300K140P50(8)_10	6.50	1.50	281.00	242.00	44779	17913
LLN300K140P50(9)_1	5.00	1.00	277.00	261.00	46264	11134
LLN300K140P50(9)_2	5.50	1.50	290.00	178.00	45812	10306
LLN300K140P50(9)_3	6.00	1.50	292.00	186.00	46216	10004
LLN300K140P50(9)_4	7.50	1.50	282.00	153.00	46253	10275
LLN300K140P50(9)_5	4.00	1.50	289.00	167.00	46574	10460
LLN300K140P50(9)_6	5.00	1.50	288.00	190.00	46178	10674
LLN300K140P50(9)_7	4.00	1.50	285.00	154.00	46339	10741
LLN300K140P50(9)_8	4.50	1.50	292.00	195.00	45816	10254
LLN300K140P50(9)_9	5.00	1.50	284.00	165.00	46384	10259
LLN300K140P50(9)_10	6.00	1.50	287.00	159.00	46014	10607
LLN300K140P50(10)_1	7.00	7.50	275.00	231.00	45119	13366
LLN300K140P50(10)_2	7.50	7.00	291.00	249.00	45396	16965
LLN300K140P50(10)_3	7.50	7.50	281.00	266.00	45214	13973
LLN300K140P50(10)_4	8.50	7.00	294.00	240.00	45101	19008
LLN300K140P50(10)_5	8.00	7.50	285.00	219.00	45109	18035

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K140P50(10)_6	4.50	6.50	291.00	251.00	45524	20536
LLN300K140P50(10)_7	6.00	7.00	272.00	255.00	44891	16059
LLN300K140P50(10)_8	9.00	6.50	282.00	270.00	38278	17030
LLN300K140P50(10)_9	7.00	7.00	287.00	228.00	45135	15315
LLN300K140P50(10)_10	9.50	7.50	288.00	223.00	45201	19046
LLN300K140P60(1)_1	8.40	4.80	296.00	187.00	44442	11664
LLN300K140P60(1)_2	7.80	3.60	293.00	285.00	44282	24159
LLN300K140P60(1)_3	12.60	4.20	296.00	191.00	33920	16399
LLN300K140P60(1)_4	8.40	4.80	285.00	211.00	43938	11202
LLN300K140P60(1)_5	7.80	4.20	282.00	219.00	44110	11477
LLN300K140P60(1)_6	8.40	5.40	295.00	218.00	44056	10523
LLN300K140P60(1)_7	7.80	4.20	296.00	232.00	44162	11532
LLN300K140P60(1)_8	10.80	4.80	292.00	158.00	43680	10533
LLN300K140P60(1)_9	9.00	4.80	277.00	240.00	43808	15503
LLN300K140P60(1)_10	8.40	3.60	285.00	234.00	44190	21185
LLN300K140P60(2)_1	10.20	4.20	286.00	255.00	43444	16314
LLN300K140P60(2)_2	10.80	6.60	289.00	224.00	43049	10649
LLN300K140P60(2)_3	11.40	5.40	275.00	226.00	43004	19036
LLN300K140P60(2)_4	9.00	4.80	296.00	220.00	43175	14562
LLN300K140P60(2)_5	7.80	5.40	295.00	238.00	43333	11528
LLN300K140P60(2)_6	10.80	5.40	287.00	247.00	43084	12831
LLN300K140P60(2)_7	11.40	4.20	293.00	233.00	43025	13562
LLN300K140P60(2)_8	9.60	4.80	285.00	261.00	43455	11892
LLN300K140P60(2)_9	8.40	4.20	278.00	282.00	43496	13081
LLN300K140P60(2)_10	8.40	4.80	285.00	249.00	43181	13150
LLN300K140P60(3)_1	6.00	1.20	290.00	268.00	46173	17380
LLN300K140P60(3)_2	4.20	2.40	279.00	256.00	46074	12177
LLN300K140P60(3)_3	6.60	1.80	283.00	224.00	46054	12430
LLN300K140P60(3)_4	6.60	3.00	277.00	181.00	45719	15245
LLN300K140P60(3)_5	5.40	1.80	282.00	273.00	45807	13684
LLN300K140P60(3)_6	6.60	2.40	278.00	216.00	46120	12087
LLN300K140P60(3)_7	7.80	1.20	268.00	218.00	45783	23848
LLN300K140P60(3)_8	3.00	1.80	294.00	239.00	46325	15980
LLN300K140P60(3)_9	4.80	1.80	288.00	271.00	46228	20135
LLN300K140P60(3)_10	7.80	1.80	269.00	271.00	45904	16613
LLN300K140P60(4)_1	8.40	$\frac{9.00}{10.20}$	292.00 283.00	238.00	45635	27468
LLN300K140P60(4)_2 LLN300K140P60(4)_3	9.00			228.00	38362	38158
LLN300K140P60(4)_3 LLN300K140P60(4)_4	7.80	7.80	289.00	227.00 248.00	45486	35246
LLN300K140P60(4)_4 LLN300K140P60(4)_5		9.00	286.00 285.00	239.00	45112 45683	30509 23324
LLN300K140P60(4)_5 LLN300K140P60(4)_6	8.40 7.80		292.00	234.00		
LLN300K140P60(4)_6 LLN300K140P60(4)_7	10.80	6.60 7.20	292.00	249.00	45754 45093	34988 25211
LLN300K140P60(4)_7 LLN300K140P60(4)_8	9.60	9.00	291.00	225.00	45456	26672
LLN300K140P60(4)_8 LLN300K140P60(4)_9	7.80	6.00	286.00	215.00	45478	44761
LLN300K140P60(4)_9 LLN300K140P60(4)_10	7.80	8.40	288.00	246.00	45317	25201
LLN300K140P60(5)_1	12.00	8.40	285.00	208.00	42712	26325
LLN300K140P60(5)_1 LLN300K140P60(5)_2	9.00	10.80	287.00	233.00	42712	15936
LLN300K140P60(5)_3	9.60	8.40	292.00	202.00	42516	18276
LLN300K140P60(5)_4	10.20	8.40	279.00	262.00	42848	15737
LLN300K140P60(5)_5	10.20	9.00	289.00	246.00	42600	25379
LLN300K140P60(5)_6	9.60	8.40	289.00	279.00	43101	16683
LLN300K140P60(5)_7	12.60	8.40	277.00	192.00	42232	25338
LLN300K140P60(5)_8	9.00	9.60	275.00	246.00	42618	17575
LLN300K140P60(5)_9	12.00	7.80	289.00	280.00	42581	21033
LLN300K140P60(5)_10	10.80	8.40	282.00	236.00	42751	31574
LLN300K140P60(6)_1	13.80	8.40	293.00	225.00	42897	18257
LLN300K140P60(6)_2	10.80	5.40	271.00	265.00	42928	28997
221.00011110100(0)-2		5.10	1.00	_55.55		_0001

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K140P60(6)_3	14.40	7.20	275.00	253.00	33836	14176
LLN300K140P60(6)_4	9.60	6.00	294.00	281.00	43089	14928
LLN300K140P60(6)_5	10.80	7.80	298.00	196.00	42858	18487
LLN300K140P60(6)_6	13.80	7.80	279.00	282.00	42393	13388
LLN300K140P60(6)_7	10.80	5.40	292.00	284.00	43168	22836
LLN300K140P60(6)_8	10.20	6.60	277.00	265.00	42885	16213
LLN300K140P60(6)_9	11.40	8.40	285.00	254.00	42924	12655
LLN300K140P60(6)_10	9.00	4.80	282.00	203.00	42889	34107
LLN300K140P60(7)_1	9.60	7.20	289.00	230.00	44472	22206
LLN300K140P60(7)_2	10.80	6.00	293.00	276.00	35833	24659
LLN300K140P60(7)_3	6.60	6.00	290.00	258.00	44650	26146
LLN300K140P60(7)_4	10.20	7.80	271.00	233.00	44507	22595
LLN300K140P60(7)_5	11.40	9.00	283.00	235.00	44767	21659
LLN300K140P60(7)_6	7.20	9.60	292.00	215.00	45166	23605
LLN300K140P60(7)_7	10.20	6.60	288.00	259.00	44334	26434
LLN300K140P60(7)_8	9.60	11.40	281.00	198.00	44447	17034
LLN300K140P60(7)_9	6.60	8.40	280.00	231.00	44526	36044
LLN300K140P60(7)_10	9.60	8.40	270.00	275.00	44710	29622
LLN300K140P60(8)_1	7.20	1.80	287.00	243.00	44767	12394
LLN300K140P60(8)_2	7.20	2.40	283.00	193.00	44883	11565
LLN300K140P60(8)_3	7.80	2.40	296.00	231.00	44984	11082
LLN300K140P60(8)_4	7.20	2.40	293.00	257.00	45233	10710
LLN300K140P60(8)_5	9.60	2.40	289.00	242.00	45119	11620
LLN300K140P60(8)_6	9.00	1.80	289.00	242.00	44821	12967
LLN300K140P60(8)_7	7.20	1.80	280.00	220.00	45141	12013
LLN300K140P60(8)_8	9.00	2.40	297.00	284.00	45397	14164
LLN300K140P60(8)_9	8.40	2.40	299.00	200.00	45076	11100
LLN300K140P60(8)_10	6.60	2.40	286.00	179.00	45559	11494
LLN300K140P60(9)_1	9.00	1.80	282.00	175.00	45973	10175
LLN300K140P60(9)_2	9.00	1.80	291.00	185.00	37667	10098
LLN300K140P60(9)_3	8.40	1.80	280.00	171.00	45765	10296
LLN300K140P60(9)_4	7.80	1.80	287.00	147.00 175.00	45885	9583
LLN300K140P60(9)_5 LLN300K140P60(9)_6	9.00	1.80	280.00		45869	10162
LLN300K140P60(9)_7	4.80 6.60	1.80	285.00 280.00	152.00 178.00	46671 46064	10389 10015
LLN300K140P60(9)_7 LLN300K140P60(9)_8	6.00	1.80	280.00	190.00	46279	9971
LLN300K140P60(9)_9	4.20	1.80	287.00	177.00	46402	10428
LLN300K140P60(9)_10	7.20	1.80	286.00	148.00	45803	10348
LLN300K140P60(10)_1	7.20	8.40	296.00	269.00	45441	25832
LLN300K140P60(10)_2	11.40	9.60	295.00	238.00	45256	17533
LLN300K140P60(10)_3	8.40	9.00	288.00	286.00	45371	12849
LLN300K140P60(10)_4	12.00	8.40	276.00	247.00	44795	26059
LLN300K140P60(10)_5	10.80	9.00	292.00	240.00	44667	16037
LLN300K140P60(10)_6	12.60	8.40	279.00	243.00	39109	21487
LLN300K140P60(10)_7	7.80	9.00	288.00	215.00	45190	30190
LLN300K140P60(10)_8	5.40	9.00	286.00	196.00	45455	12913
LLN300K140P60(10)_9	13.20	8.40	289.00	255.00	44852	16027
LLN300K140P60(10)_10	10.20	7.80	275.00	261.00	45408	30913
LLN300K140P70(1)_1	11.90	4.90	293.00	211.00	44062	12440
LLN300K140P70(1)_2	11.90	5.60	289.00	182.00	44347	11319
LLN300K140P70(1)_3	9.80	4.90	290.00	212.00	43940	19459
LLN300K140P70(1)_4	10.50	5.60	287.00	232.00	43419	11350
LLN300K140P70(1)_5	11.90	3.50	291.00	281.00	44107	18835
LLN300K140P70(1)_6	8.40	4.20	292.00	205.00	44340	26881
LLN300K140P70(1)_7	8.40	6.30	289.00	195.00	44299	10824
LLN300K140P70(1)_8	9.10	4.90	281.00	190.00	44584	12387
LLN300K140P70(1)_9	9.80	4.90	280.00	204.00	44158	11983
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	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K140P70(1)_10	9.80	5.60	278.00	202.00	44267	12757
LLN300K140P70(2)_1	14.70	6.30	285.00	212.00	42865	13212
LLN300K140P70(2)_2	11.20	4.90	294.00	247.00	43114	17868
LLN300K140P70(2)_3	11.90	5.60	298.00	246.00	42753	15138
LLN300K140P70(2)_4	17.50	5.60	280.00	263.00	42793	12204
LLN300K140P70(2)_5	13.30	5.60	278.00	266.00	43206	18661
LLN300K140P70(2)_6	12.60	6.30	287.00	244.00	42826	11479
LLN300K140P70(2)_7	14.00	7.00	287.00	189.00	42961	12598
LLN300K140P70(2)_8	13.30	7.00	292.00	251.00	43024	11182
LLN300K140P70(2)_9	11.20	5.60	289.00	271.00	42933	13905
LLN300K140P70(2)_10	13.30	6.30	272.00	227.00	43053	11247
LLN300K140P70(3)_1	6.30	2.10	284.00	272.00	45937	13443
LLN300K140P70(3)_2	4.20	2.10	284.00	269.00	46095	12836
LLN300K140P70(3)_3	4.90	2.10	280.00	226.00	46212	21791
LLN300K140P70(3)_4	9.80	2.80	281.00	230.00	45678	12317
LLN300K140P70(3)_5	10.50	3.50	289.00	207.00	45622	15726
LLN300K140P70(3)_6	4.20	2.10	297.00	238.00	46517	13076
LLN300K140P70(3)_7	7.00	2.10	281.00	260.00	45728	13175
LLN300K140P70(3)_8	6.30	2.80	292.00	221.00	46002	11932
LLN300K140P70(3)_9 LLN300K140P70(3)_10	7.70	2.10	297.00	221.00	41449	18057
· /	5.60 9.80	2.80	291.00	209.00	46211	24870
LLN300K140P70(4)_1	7.00	8.40	288.00 292.00	232.00 260.00	45269 45437	27189 33930
LLN300K140P70(4)_2 LLN300K140P70(4)_3	11.90	9.80	292.00	223.00	45149	30611
LLN300K140P70(4)_3 LLN300K140P70(4)_4	9.10	11.20	282.00	204.00	41361	27489
LLN300K140P70(4)_4 LLN300K140P70(4)_5	8.40	5.60	295.00	232.00	45624	44868
LLN300K140P70(4)_6	7.70	7.00	285.00	241.00	45329	43033
LLN300K140P70(4)_7	10.50	9.10	288.00	248.00	44849	33192
LLN300K140P70(4)_8	13.30	9.10	278.00	270.00	45471	28992
LLN300K140P70(4)_9	10.50	9.80	289.00	234.00	45579	27104
LLN300K140P70(4)_10	8.40	8.40	281.00	220.00	45403	28218
LLN300K140P70(5)_1	9.80	11.90	292.00	187.00	42680	27241
LLN300K140P70(5)_2	11.20	8.40	290.00	263.00	42804	26939
LLN300K140P70(5)_3	11.20	8.40	288.00	232.00	42660	23386
LLN300K140P70(5)_4	12.60	9.80	292.00	266.00	42402	18566
LLN300K140P70(5)_5	11.90	11.90	284.00	257.00	33435	15715
LLN300K140P70(5)_6	10.50	7.70	283.00	263.00	42618	25088
LLN300K140P70(5)_7	11.20	9.80	281.00	251.00	42721	25226
LLN300K140P70(5)_8	7.70	11.90	294.00	186.00	43232	15207
LLN300K140P70(5)_9	13.30	9.10	279.00	245.00	42494	25000
LLN300K140P70(5)_10	11.90	10.50	281.00	219.00	42386	16557
LLN300K140P70(6)_1	11.90	8.40	272.00	254.00	42892	21980
LLN300K140P70(6)_2	12.60	7.00	290.00	239.00	42876	31643
LLN300K140P70(6)_3	11.20	9.10	277.00	188.00	43144	18042
LLN300K140P70(6)_4	11.90	9.10	285.00	283.00	43255	15554
LLN300K140P70(6)_5	9.80	7.00	289.00	251.00	43359	29294
LLN300K140P70(6)_6	13.30	8.40	278.00	258.00	42891	17701
LLN300K140P70(6)_7	9.10	8.40	284.00	243.00	43107	15496
LLN300K140P70(6)_8	14.70	7.70	286.00	254.00	42761	18210
LLN300K140P70(6)_9	11.20	8.40	294.00	277.00	43125	15694
LLN300K140P70(6)_10	12.60	7.00	289.00	260.00	42889	16471
LLN300K140P70(7)_1	8.40	8.40	293.00	260.00	45001	21844
LLN300K140P70(7)_2	5.60	9.80	282.00	252.00	45765	20353
LLN300K140P70(7)_3	9.80	11.90	286.00	215.00	44995	20731
LLN300K140P70(7)_4	9.10	9.10	281.00	205.00 245.00	44626	24345
LLN300K140P70(7)_5 LLN300K140P70(7)_6	10.50 9.80	$\frac{7.70}{10.50}$	291.00 286.00	245.00	45081	$\frac{39260}{17322}$
LLN300K140F/0(/)_0	9.00	10.00	200.00	401.UU	44448	11044

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K140P70(7)_7	5.60	9.80	284.00	220.00	45052	31332
LLN300K140P70(7)_8	10.50	9.10	292.00	228.00	43403	24207
LLN300K140P70(7)_9	10.50	7.70	288.00	250.00	44765	33516
LLN300K140P70(7)_10	10.50	11.90	288.00	196.00	44810	20121
LLN300K140P70(8)_1	7.70	2.10	280.00	241.00	45030	17014
LLN300K140P70(8)_2	9.10	2.80	283.00	251.00	44978	11191
LLN300K140P70(8)_3	9.80	2.10	274.00	237.00	44678	12499
LLN300K140P70(8)_4	11.20	2.10	278.00	252.00	44969	14702
LLN300K140P70(8)_5	10.50	2.80	293.00	248.00	44901	10972
LLN300K140P70(8)_6	11.20	2.10	283.00	233.00	44949	12178
LLN300K140P70(8)_7	8.40	2.80	286.00	203.00	45180	11879
LLN300K140P70(8)_8	9.10	2.80	297.00	248.00	45114	11986
LLN300K140P70(8)_9	9.80	2.10	289.00	248.00	44974	12108
LLN300K140P70(8)_10	11.20	2.10	292.00	249.00	37399	15335
LLN300K140P70(9)_1	11.90	2.10	290.00	168.00	38271	10402
LLN300K140P70(9)_2	7.00	2.10	287.00	170.00	46293	10259
LLN300K140P70(9)_3	12.60	1.40	296.00	157.00	45557	18296
LLN300K140P70(9)_4	9.80	2.10	289.00	185.00	46137	10487
LLN300K140P70(9)_5	8.40	2.10	293.00	147.00	46256	10204
LLN300K140P70(9)_6	8.40	2.10	294.00	185.00	45860	9991
LLN300K140P70(9)_7 LLN300K140P70(9)_8	9.80 7.70	2.10	294.00 293.00	148.00	45944	10325 10012
LLN300K140P70(9)_8 LLN300K140P70(9)_9	9.80	2.10	279.00	147.00 176.00	46075 45591	10012
LLN300K140P70(9)_9 LLN300K140P70(9)_10	9.30	2.10	280.00	168.00	46496	10090
LLN300K140P70(10)_1	11.20	9.10	293.00	261.00	45142	15456
LLN300K140P70(10)_2	11.90	10.50	290.00	258.00	45087	17729
LLN300K140P70(10)_3	10.50	9.80	291.00	217.00	45033	18247
LLN300K140P70(10)_4	9.10	9.80	281.00	249.00	45381	16742
LLN300K140P70(10)_5	9.10	9.10	294.00	233.00	45576	33295
LLN300K140P70(10)_6	11.90	9.80	292.00	270.00	45089	16421
LLN300K140P70(10)_7	8.40	13.30	272.00	185.00	45162	12356
LLN300K140P70(10)_8	7.70	7.70	297.00	245.00	45344	29484
LLN300K140P70(10)_9	10.50	9.80	287.00	263.00	44866	21697
LLN300K140P70(10)_10	11.20	11.20	284.00	244.00	44882	17112
LLN300K140P80(1)_1	13.04	9.82	297.00	282.00	44467	45821
LLN300K140P80(1)_2	14.42	9.13	297.00	261.00	44807	45590
LLN300K140P80(1)_3	12.28	7.63	290.00	263.00	44761	45391
LLN300K140P80(1)_4	12.31	5.37	273.00	238.00	44508	45586
LLN300K140P80(1)_5	11.34	9.19	294.00	281.00	44425	45657
LLN300K140P80(1)_6	11.52	6.92	298.00	272.00	44953	45733
LLN300K140P80(1)_7	14.58	7.72	293.00	271.00	44722	45365
LLN300K140P80(1)_8	14.46	5.40	293.00	278.00	44965	45685
LLN300K140P80(1)_9	12.20	7.69	293.00	262.00	44992	45692
LLN300K140P80(1)_10	9.77	7.70	296.00	262.00	45120	45541
LLN300K140P80(2)_1	12.17	9.47	290.00	269.00	44150	44719
LLN300K140P80(2)_2	14.62	11.02	297.00	293.00	43863	44722
LLN300K140P80(2)_3	14.45	9.46	298.00	285.00	43581	44920
LLN300K140P80(2)_4	14.76	10.02	296.00	294.00	43631	45334
LLN300K140P80(2)_5 LLN300K140P80(2)_6	16.23 10.67	9.38	282.00 293.00	288.00 275.00	43255 43826	44743
LLN300K140P80(2)_6 LLN300K140P80(2)_7	10.67	9.38	293.00	298.00	43820	44885
LLN300K140P80(2)_7 LLN300K140P80(2)_8	11.63	8.58	294.00	267.00	43986	44700
LLN300K140P80(2)_8 LLN300K140P80(2)_9	12.87	16.93	298.00	296.00	43708	44700
LLN300K140P80(2)_10	14.68	9.38	299.00	296.00	43708	44810
LLN300K140P80(3)_1	13.51	5.14	300.00	274.00	46884	47196
LLN300K140P80(3)_2	7.31	5.93	299.00	287.00	46872	47607
LLN300K140P80(3)_3	8.17	5.02	293.00	262.00	47050	47244
221.00011110100(3)_3	U.11	3.02	200.00	202.00	11000	1,417

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K140P80(3)_4	9.98	5.92	292.00	281.00	46413	47503
LLN300K140P80(3)_5	10.24	5.90	299.00	276.00	47088	47219
LLN300K140P80(3)_6	9.06	5.12	298.00	283.00	46136	47488
LLN300K140P80(3)_7	12.73	5.77	291.00	300.00	46776	47835
LLN300K140P80(3)_8	12.75	5.97	297.00	294.00	46436	47427
LLN300K140P80(3)_9	8.37	5.04	299.00	271.00	46763	47243
LLN300K140P80(3)_10	10.39	3.64	297.00	293.00	47146	47326
LLN300K140P80(4)_1	11.94	9.46	296.00	250.00	46500	46595
LLN300K140P80(4)_2	13.70	11.90	299.00	266.00	45888	46634
LLN300K140P80(4)_3	11.86	11.34	294.00	292.00	46290	46505
LLN300K140P80(4)_4	11.07	12.85	296.00	298.00	46803	46796
LLN300K140P80(4)_5	10.45	8.12	300.00	256.00	45830	46424
LLN300K140P80(4)_6	11.17	11.88	297.00	296.00	46269	46943
LLN300K140P80(4)_7	12.86	5.81	296.00	249.00	46143	46664
LLN300K140P80(4)_8	15.71	10.90	298.00	288.00	46173	47101
LLN300K140P80(4)_9	10.52	7.08	293.00	276.00	46366	46724
LLN300K140P80(4)_10	11.85	5.54	300.00	294.00	46360	47175
LLN300K140P80(5)_1	13.80	11.31	295.00	289.00	43184	44679
LLN300K140P80(5)_2 LLN300K140P80(5)_3	15.38	12.12	296.00	283.00	43445	44653
· /	13.72	13.52	299.00	277.00	43469	44593
LLN300K140P80(5)_4	13.73 13.03	$\frac{15.75}{12.87}$	290.00 290.00	294.00 280.00	43349	44704
LLN300K140P80(5)_5 LLN300K140P80(5)_6	11.46	14.96	298.00	265.00	43615	$\frac{44477}{44502}$
LLN300K140P80(5)_7	13.82	12.83	294.00	290.00	43438	44657
LLN300K140P80(5)_8	12.32	12.11	297.00	295.00	43506	44747
LLN300K140P80(5)_9	16.82	13.48	291.00	277.00	43314	44314
LLN300K140P80(5)_10	14.60	13.58	293.00	278.00	43336	44510
LLN300K140P80(6)_1	15.37	8.30	290.00	279.00	43585	44566
LLN300K140P80(6)_2	12.16	11.05	298.00	285.00	43839	44686
LLN300K140P80(6)_3	12.95	11.01	293.00	278.00	43515	44572
LLN300K140P80(6)_4	12.48	12.54	295.00	287.00	43264	44580
LLN300K140P80(6)_5	13.97	9.61	278.00	295.00	43041	44527
LLN300K140P80(6)_6	12.35	9.47	285.00	270.00	43474	44641
LLN300K140P80(6)_7	16.27	10.34	296.00	287.00	43453	44354
LLN300K140P80(6)_8	16.84	9.59	297.00	288.00	43592	44705
LLN300K140P80(6)_9	15.45	11.82	297.00	274.00	43364	44218
LLN300K140P80(6)_10	15.26	11.95	294.00	290.00	43766	44575
LLN300K140P80(7)_1	13.57	7.12	299.00	271.00	45684	45980
LLN300K140P80(7)_2	10.61	10.75	296.00	276.00	45696	46278
LLN300K140P80(7)_3	14.29	7.85	288.00	257.00	45844	46029
LLN300K140P80(7)_4	10.54	6.99	297.00	269.00	45783	46158
LLN300K140P80(7)_5	12.00	10.11	297.00	229.00	45236	45499
LLN300K140P80(7)_6	12.09	9.29	292.00	295.00	45556	46360
LLN300K140P80(7)_7	11.90	10.11	300.00	273.00	45313	46120
LLN300K140P80(7)_8	11.02	10.00	290.00	268.00	45828	46162
LLN300K140P80(7)_9	14.16	9.35	295.00	242.00	45457	45912
LLN300K140P80(7)_10	14.56	6.06	292.00	298.00	45192	46257
LLN300K140P80(8)_1	8.08 13.66	6.06	295.00 289.00	286.00 293.00	46230 45736	47000 46739
LLN300K140P80(8)_2 LLN300K140P80(8)_3	9.62	6.99 5.42	289.00	293.00	45736	46739
LLN300K140P80(8)_3 LLN300K140P80(8)_4	8.22	8.42	298.00	284.00	45804	47019
LLN300K140P80(8)_4 LLN300K140P80(8)_5	12.88	$\frac{6.42}{7.45}$	298.00	294.00	45546	46893
LLN300K140P80(8)_6	12.11	5.49	290.00	293.00	45835	46823
LLN300K140P80(8)_7	12.11	7.82	295.00	258.00	45854	46647
LLN300K140P80(8)_8	8.92	5.55	296.00	283.00	46102	46767
LLN300K140P80(8)_9	12.64	17.51	295.00	293.00	45440	46530
LLN300K140P80(8)_10	10.51	7.60	295.00	268.00	45699	46696
221.50011110100(0)_10	10.01	1.00		200.00	10000	10000

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K140P80(9)_1	9.12	5.16	299.00	294.00	46915	47982
LLN300K140P80(9)_2	6.76	5.12	299.00	291.00	46724	48217
LLN300K140P80(9)_3	11.85	4.99	296.00	292.00	46762	47561
LLN300K140P80(9)_4	8.98	3.52	292.00	294.00	46962	47893
LLN300K140P80(9)_5	9.59	15.79	290.00	296.00	47326	47187
LLN300K140P80(9)_6	10.74	15.72	300.00	296.00	46521	47513
LLN300K140P80(9)_7	8.90	5.01	300.00	295.00	46755	47697
LLN300K140P80(9)_8	10.58	3.57	293.00	281.00	46968	47593
LLN300K140P80(9)_9	12.80	5.25	295.00	284.00	46747	47317
LLN300K140P80(9)_10	7.62	4.37	287.00	286.00	46979	47784
LLN300K140P80(10)_1	14.45	8.61	294.00	261.00	45293	46280
LLN300K140P80(10)_2	10.51	9.32	299.00	288.00	46007	46555
LLN300K140P80(10)_3	13.01	9.95	285.00	278.00	45747	46512
LLN300K140P80(10)_4	13.81	10.06	288.00	300.00	45775	46517
LLN300K140P80(10)_5	15.19	10.00	291.00	296.00	45550	46416
LLN300K140P80(10)_6	15.38	10.08	296.00	279.00	45374	46128
LLN300K140P80(10)_7	14.29	10.85	294.00	270.00	45892	46318
LLN300K140P80(10)_8	13.79	11.48	285.00	279.00	45898	46257
LLN300K140P80(10)_9	12.95	7.80	300.00	298.00	46000	46700
LLN300K140P80(10)_10	14.46	9.27	295.00	277.00	45990	46663
LLN300K180P50(1)_1	17.50	19.00	293.00	279.00	46638	16702
LLN300K180P50(1)_2	20.50	19.50	287.00	229.00	46249	20471
LLN300K180P50(1)_3	17.50	20.50	289.00	249.00	46592	18772
LLN300K180P50(1)_4	18.50	17.00	286.00	269.00	46316	31437
LLN300K180P50(1)_5	18.50	15.50	274.00	232.00	46187	37150
LLN300K180P50(1)_6	17.50	18.50	293.00	226.00	46928	30390
LLN300K180P50(1)_7	19.00	18.50	295.00	279.00	46532	20632
LLN300K180P50(1)_8	18.50	17.00	293.00	241.00	46443	26929
LLN300K180P50(1)_9	19.00	18.00	287.00	247.00	46321	19995
LLN300K180P50(1)_10	$\frac{17.50}{23.00}$	18.50	290.00	257.00	46659	$\frac{20217}{16541}$
LLN300K180P50(2)_1 LLN300K180P50(2)_2	19.00	20.00	291.00 296.00	271.00 273.00	44605 45807	23880
LLN300K180P50(2)_2 LLN300K180P50(2)_3	$\frac{19.00}{25.00}$	19.00	283.00	259.00	44546	39730
LLN300K180P50(2)_4	23.50	20.00	290.00	285.00	44832	22676
LLN300K180P50(2)_5	23.00	$\frac{20.00}{19.50}$	287.00	283.00	44832	35652
LLN300K180P50(2)_6	18.50	20.00	293.00	276.00	45461	18600
LLN300K180P50(2)_7	23.00	21.50	294.00	290.00	44929	24573
LLN300K180P50(2)_8	21.00	$\frac{21.50}{19.50}$	295.00	279.00	45270	23470
LLN300K180P50(2)_9	22.00	19.50	296.00	227.00	45076	22368
LLN300K180P50(2)_10	24.00	19.50	276.00	285.00	44549	23985
LLN300K180P50(3)_1	19.00	15.50	269.00	261.00	47755	22187
LLN300K180P50(3)_2	16.00	15.50	293.00	243.00	48006	37010
LLN300K180P50(3)_3	20.50	15.00	287.00	264.00	47836	19455
LLN300K180P50(3)_4	17.00	14.50	282.00	249.00	47677	32296
LLN300K180P50(3)_5	18.50	15.00	278.00	267.00	47695	31128
LLN300K180P50(3)_6	17.00	14.50	292.00	248.00	48050	35473
LLN300K180P50(3)_7	16.50	15.00	296.00	230.00	48005	25871
LLN300K180P50(3)_8	17.50	17.00	292.00	226.00	47919	22196
LLN300K180P50(3)_9	18.00	15.00	285.00	259.00	47565	39692
LLN300K180P50(3)_10	16.00	16.00	294.00	293.00	47792	27332
LLN300K180P50(4)_1	16.50	15.00	288.00	278.00	47604	37351
LLN300K180P50(4)_2	17.50	16.50	295.00	262.00	47537	43335
LLN300K180P50(4)_3	16.50	18.00	295.00	267.00	47529	36592
LLN300K180P50(4)_4	19.50	15.00	293.00	252.00	47214	48024
LLN300K180P50(4)_5	16.00	16.00	291.00	253.00	47748	45240
LLN300K180P50(4)_6	18.00	17.50	294.00	243.00	47842	47617
LLN300K180P50(4)_7	18.50	16.00	292.00	237.00	47498	47500
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	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K180P50(4)_8	16.50	14.50	293.00	251.00	47906	47866
LLN300K180P50(4)_9	18.50	16.00	293.00	247.00	47451	37773
LLN300K180P50(4)_10	18.00	15.50	287.00	274.00	47797	38169
LLN300K180P50(5)_1	19.00	21.00	292.00	266.00	44698	27691
LLN300K180P50(5)_2	20.50	20.50	291.00	268.00	44473	38858
LLN300K180P50(5)_3	22.00	21.50	288.00	260.00	44385	20338
LLN300K180P50(5)_4	19.50	19.00	296.00	267.00	45093	37218
LLN300K180P50(5)_5	22.00	21.00	288.00	238.00	44702	21402
LLN300K180P50(5)_6	21.50	20.50	294.00	228.00	44690	28396
LLN300K180P50(5)_7	22.50	23.50	289.00	216.00	44448	28231
LLN300K180P50(5)_8	22.00	18.50	291.00	251.00	44462	45170
LLN300K180P50(5)_9	22.50	22.00	298.00	248.00	44303	27296
LLN300K180P50(5)_10	22.50	21.50	294.00	247.00	44553	28555
LLN300K180P50(6)_1	22.50	21.00	295.00	264.00	44458	33041
LLN300K180P50(6)_2	23.50	21.00	290.00	230.00	44455	30695
LLN300K180P50(6)_3	22.00	20.50	293.00	231.00	44749	24470
LLN300K180P50(6)_4	24.00	24.00	283.00	276.00	44277	29870
LLN300K180P50(6)_5	20.00	20.00	297.00	264.00	44665	33893
LLN300K180P50(6)_6	23.50	22.50	290.00	270.00	44448	20097
LLN300K180P50(6)_7	22.50	19.50	286.00	286.00	44485	32579
LLN300K180P50(6)_8	22.50	20.00	290.00	279.00	44585	42679
LLN300K180P50(6)_9	23.00	22.00	284.00	236.00	44584	29417
LLN300K180P50(6)_10	21.00	20.50	297.00	273.00	44884	45038
LLN300K180P50(7)_1	18.00	18.50	293.00	268.00	46937	28066
LLN300K180P50(7)_2	20.00	18.00	296.00	254.00	46540	33478
LLN300K180P50(7)_3	18.50	15.50	291.00	277.00	46734	43239
LLN300K180P50(7)_4	17.00	16.50	297.00	256.00	46718	38787
LLN300K180P50(7)_5	20.00	15.50	294.00	245.00	46616	46969
LLN300K180P50(7)_6	18.50	16.00	292.00	273.00	46796	34629
LLN300K180P50(7)_7	17.00	16.50	297.00	256.00	46890	47042
LLN300K180P50(7)_8	18.50	15.50	287.00	269.00	46607	47214
LLN300K180P50(7)_9	17.50	17.50	295.00	250.00	46726	36492
LLN300K180P50(7)_10	19.50	16.00	294.00	268.00	46357	36895
LLN300K180P50(8)_1	19.00	16.00	276.00	249.00	46765	23972
LLN300K180P50(8)_2	18.50	16.00	293.00	238.00	46896	29780
LLN300K180P50(8)_3 LLN300K180P50(8)_4	19.00	16.50	285.00	276.00	46729 46798	29050
	17.50		293.00	231.00 259.00	46607	13553
LLN300K180P50(8)_5	19.00	15.00	289.00			34823 32021
LLN300K180P50(8)_6 LLN300K180P50(8)_7	20.00	15.00 16.00	291.00 291.00	239.00 264.00	46560 46700	32695
LLN300K180P50(8)_7 LLN300K180P50(8)_8	19.00	$\frac{16.00}{15.50}$	275.00	262.00	46465	26297
LLN300K180P50(8)_9	16.00	$\frac{15.50}{16.00}$	296.00	257.00	46994	$\frac{20297}{25382}$
LLN300K180P50(8)_10	17.00	16.00	297.00	263.00	47177	24036
LLN300K180P50(9)_1	18.50	13.50	270.00	244.00	47689	29712
LLN300K180P50(9)_2	15.00	$\frac{13.50}{13.50}$	295.00	257.00	48172	26831
LLN300K180P50(9)_3	19.50	$\frac{13.50}{13.50}$	284.00	245.00	47876	30056
LLN300K180P50(9)_4	17.00	$\frac{13.50}{14.50}$	289.00	266.00	47926	14974
LLN300K180P50(9)_5	16.50	$\frac{14.50}{15.50}$	290.00	235.00	48029	15299
LLN300K180P50(9)_6	15.50	14.00	297.00	228.00	48368	27326
LLN300K180P50(9)_7	15.00	14.00	296.00	246.00	48242	24087
LLN300K180P50(9)_8	15.00	15.00	289.00	245.00	47938	15573
LLN300K180P50(9)_9	16.00	14.00	288.00	250.00	48101	16084
LLN300K180P50(9)_10	16.50	14.50	293.00	258.00	48043	15193
LLN300K180P50(10)_1	19.00	18.00	278.00	249.00	47418	33799
LLN300K180P50(10)_2	18.50	18.00	296.00	247.00	47673	27649
LLN300K180P50(10)_3	18.50	17.00	295.00	261.00	47489	41587
LLN300K180P50(10)_4	20.00	19.00	289.00	252.00	47238	38897
2213001100130(10)24		10.00	200.00	202.00	11200	90091

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K180P50(10)_5	18.50	17.50	293.00	268.00	47124	42356
LLN300K180P50(10)_6	19.50	17.50	296.00	272.00	47253	38235
LLN300K180P50(10)_7	18.50	19.50	296.00	271.00	47045	23245
LLN300K180P50(10)_8	19.50	19.50	284.00	261.00	47297	28031
LLN300K180P50(10)_9	21.00	$\frac{13.50}{17.50}$	290.00	279.00	47127	39738
LLN300K180P50(10)_10	20.00	20.00	295.00	235.00	46988	26503
LLN300K180P60(1)_1	24.00	22.80	281.00	233.00	46419	$\frac{20303}{16075}$
LLN300K180P60(1)_2	21.00	21.60	287.00	263.00	46870	36624
LLN300K180P60(1)_3	22.20	21.00	291.00	286.00	46387	25961
LLN300K180P60(1)_3 LLN300K180P60(1)_4	$\frac{22.20}{25.20}$	22.20	288.00			
				247.00	46274	15993
LLN300K180P60(1)_5	21.60	20.40	295.00	254.00	45351	30690
LLN300K180P60(1)_6	23.40	20.40	286.00	261.00	46377	37221
LLN300K180P60(1)_7	22.20	21.00	292.00	225.00	46613	28297
LLN300K180P60(1)_8	25.20	22.20	284.00	249.00	46005	24873
LLN300K180P60(1)_9	21.00	23.40	287.00	272.00	46598	17988
LLN300K180P60(1)_10	22.20	21.00	288.00	253.00	46528	23939
LLN300K180P60(2)_1	27.00	25.80	293.00	262.00	45055	14414
LLN300K180P60(2)_2	25.80	24.60	293.00	243.00	44923	25440
LLN300K180P60(2)_3	24.00	24.00	294.00	233.00	45379	25425
LLN300K180P60(2)_4	24.60	24.00	290.00	266.00	45033	26270
LLN300K180P60(2)_5	27.60	22.80	289.00	271.00	44699	34643
LLN300K180P60(2)_6	29.40	26.40	291.00	232.00	44740	13655
LLN300K180P60(2)_7	22.80	23.40	288.00	232.00	45028	22367
LLN300K180P60(2)_8	24.60	25.20	292.00	227.00	45042	18594
LLN300K180P60(2)_9	25.20	22.20	298.00	246.00	45038	34433
LLN300K180P60(2)_10	23.40	25.20	278.00	273.00	45577	15234
LLN300K180P60(3)_1	18.60	19.20	287.00	268.00	47980	26495
LLN300K180P60(3)_2	21.60	18.00	288.00	255.00	47904	22057
LLN300K180P60(3)_3	18.60	18.60	286.00	236.00	47978	25446
LLN300K180P60(3)_4	19.20	18.00	278.00	222.00	47762	24880
LLN300K180P60(3)_5	18.00	18.60	288.00	241.00	48008	23326
LLN300K180P60(3)_6	21.60	21.00	295.00	240.00	47830	19206
LLN300K180P60(3)_7	21.60	17.40	291.00	258.00	48059	29121
LLN300K180P60(3)_8	20.40	17.40	293.00	253.00	48123	36504
LLN300K180P60(3)_9	18.00	19.20	296.00	257.00	48173	19578
LLN300K180P60(3)_10	21.00	19.80	292.00	264.00	47778	20678
LLN300K180P60(4)_1	21.60	21.00	298.00	253.00	48019	47412
LLN300K180P60(4)_2	21.60	18.00	294.00	255.00	47535	47860
LLN300K180P60(4)_3	21.00	20.40	287.00	259.00	47666	47408
LLN300K180P60(4)_4	21.00	18.00	281.00	242.00	47050	47708
LLN300K180P60(4)_5	19.20	20.40	295.00	265.00	47639	47773
LLN300K180P60(4)_6	18.60	21.00	294.00	255.00	47751	40688
LLN300K180P60(4)_7	21.00	19.20	285.00	257.00	47548	47521
LLN300K180P60(4)_8	17.40	19.80	291.00	251.00	48152	47974
LLN300K180P60(4)_9	19.20	19.20	297.00	259.00	47549	43925
LLN300K180P60(4)_10	22.80	21.00	295.00	279.00	47408	47361
LLN300K180P60(5)_1	25.80	$\frac{21.00}{25.80}$	297.00	280.00	45056	22305
LLN300K180P60(5)_2	25.80	$\frac{25.80}{25.80}$	290.00	262.00	44688	28235
LLN300K180P60(5)_2 LLN300K180P60(5)_3	28.20	24.00	290.00	265.00	44004	45328
LLN300K180P60(5)_4	$\frac{26.20}{25.20}$	$\frac{24.00}{24.60}$	298.00	237.00	44849	43328
LLN300K180P60(5)_5	$\frac{25.20}{27.60}$	24.60	289.00	282.00	44849	32028
, ,	25.80	$\frac{24.60}{24.60}$	289.00			
LLN300K180P60(5)_6				241.00	44585	36187
LLN300K180P60(5)_7	25.80	24.00	286.00	272.00	44556	28253
LLN300K180P60(5)_8	25.20	25.80	287.00	286.00	44265	30991
LLN300K180P60(5)_9	28.20	24.00	279.00	224.00	44340	39651
LLN300K180P60(5)_10	25.20	26.40	288.00	276.00	44652	24410
LLN300K180P60(6)_1	27.00	23.40	290.00	263.00	39616	31656

	Total lo	ss value	Number	of active MDs	Time	$\overline{(ms)}$
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K180P60(6)_2	27.60	24.60	290.00	272.00	44676	26372
LLN300K180P60(6)_3	29.40	25.20	292.00	251.00	44546	38447
LLN300K180P60(6)_4	24.60	25.20	290.00	276.00	45127	39539
LLN300K180P60(6)_5	27.60	27.00	285.00	271.00	44770	20354
LLN300K180P60(6)_6	27.60	24.60	294.00	262.00	44799	31359
LLN300K180P60(6)_7	24.00	25.80	280.00	267.00	44780	17441
LLN300K180P60(6)_8	27.00	24.00	290.00	296.00	44758	30604
LLN300K180P60(6)_9	25.20	30.00	289.00	241.00	44711	13242
LLN300K180P60(6)_10	26.40	21.60	282.00	273.00	44626	45384
LLN300K180P60(7)_1	24.60	19.80	285.00	283.00	46402	44825
LLN300K180P60(7)_2	22.20	19.20	287.00	253.00	46418	40214
LLN300K180P60(7)_3	18.60	20.40	294.00	273.00	46936	36583
LLN300K180P60(7)_4	22.20	24.60	299.00	264.00	46684	35552
LLN300K180P60(7)_5	22.20	19.20	296.00	244.00	46559	39148
LLN300K180P60(7)_6	22.80	21.00	296.00	249.00	46423	34710
LLN300K180P60(7)_7	24.60	18.00	287.00	264.00	46048	47457
LLN300K180P60(7)_8	22.20	22.20	293.00	225.00	46748	42473
LLN300K180P60(7)_9	21.60	18.00	283.00	257.00	46678	47211
LLN300K180P60(7)_10	21.00	21.00	295.00	259.00	46903	47071
LLN300K180P60(8)_1	19.80	19.20	290.00	237.00	46994	21213
LLN300K180P60(8)_2	22.80	21.00	291.00	255.00	46777	18634
LLN300K180P60(8)_3	24.00	19.20	291.00	259.00	46497	26344
LLN300K180P60(8)_4	21.00	19.80	296.00	258.00	47114	23791
LLN300K180P60(8)_5	19.80	19.80	292.00	273.00	47090	19089
LLN300K180P60(8)_6	24.60	22.20	285.00	243.00	46582	13446
LLN300K180P60(8)_7	21.00	19.20	292.00	257.00	47137	28218
LLN300K180P60(8)_8	25.80	21.00	291.00	237.00	46308	19356
LLN300K180P60(8)_9	18.00	22.20	292.00	264.00	46844	13906
LLN300K180P60(8)_10	22.20	19.80	283.00	264.00	46433	27923
LLN300K180P60(9)_1	19.80	15.00	293.00	249.00	48189	30527
LLN300K180P60(9)_2	20.40	14.40	296.00	277.00	47895	31570
LLN300K180P60(9)_3	16.80	16.20	297.00	237.00	48356	30798
LLN300K180P60(9)_4	18.60	16.20	289.00	254.00	48214	30111
LLN300K180P60(9)_5	22.20	18.00	297.00	207.00	46837	26024
LLN300K180P60(9)_6 LLN300K180P60(9)_7	21.00	16.20	295.00	285.00	48347	16940
LLN300K180P60(9)_7 LLN300K180P60(9)_8	20.40 19.20	$\frac{17.40}{16.80}$	292.00 285.00	283.00	47932	$\frac{15497}{21521}$
LLN300K180P60(9)_9	19.20	15.00	291.00	273.00 265.00	48089 48386	25330
LLN300K180P60(9)_10	16.80	$\frac{15.60}{15.60}$	288.00	216.00	48279	27336
LLN300K180P60(10)_1	22.20	23.40	298.00	273.00	46078	21147
LLN300K180P60(10)_2	22.80	$\frac{23.40}{23.40}$	288.00	270.00	47200	27845
LLN300K180P60(10)_3	22.80	$\frac{23.40}{22.80}$	297.00	252.00	47631	29201
LLN300K180P60(10)_4	22.20	21.00	290.00	259.00	47356	43938
LLN300K180P60(10)_5	21.60	22.80	293.00	268.00	47266	28326
LLN300K180P60(10)_6	21.00	22.80	298.00	264.00	47456	35759
LLN300K180P60(10)_7	21.60	22.20	295.00	250.00	47413	33565
LLN300K180P60(10)_7	22.80	24.00	296.00	243.00	47531	31693
LLN300K180P60(10)_9	25.20	22.20	295.00	250.00	47184	36091
LLN300K180P60(10)_10	19.20	24.00	291.00	256.00	48059	28408
LLN300K180P70(1)_1	27.30	25.90	285.00	215.00	46401	23599
LLN300K180P70(1)_2	27.30	27.30	287.00	286.00	46416	16833
LLN300K180P70(1)_3	28.00	24.50	293.00	236.00	46501	24633
LLN300K180P70(1)_4	25.20	26.60	298.00	281.00	46631	14739
LLN300K180P70(1)_5	28.00	27.30	293.00	266.00	46587	18970
LLN300K180P70(1)_6	28.00	26.60	292.00	267.00	46522	24444
LLN300K180P70(1)_7	24.50	21.00	288.00	256.00	46773	46615
LLN300K180P70(1)_8	28.70	25.90	286.00	281.00	46304	31149
221.00011100170(1)=0		_5.50		_01.00	10001	52110

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K180P70(1)_9	24.50	25.90	289.00	259.00	46495	21455
LLN300K180P70(1)_10	25.90	24.50	297.00	281.00	46217	17991
LLN300K180P70(2)_1	29.40	26.60	295.00	246.00	45031	37273
LLN300K180P70(2)_2	29.40	30.10	287.00	243.00	45014	19608
LLN300K180P70(2)_3	30.80	28.70	289.00	227.00	44952	25739
LLN300K180P70(2)_4	32.20	27.30	294.00	282.00	44948	15601
LLN300K180P70(2)_5	30.80	28.70	292.00	274.00	44888	19974
LLN300K180P70(2)_6	28.70	28.00	285.00	260.00	44932	32024
LLN300K180P70(2)_7	30.80	28.00	275.00	214.00	44835	26762
LLN300K180P70(2)_8	30.10	31.50	285.00	255.00	44975	15146
LLN300K180P70(2)_9	30.10	26.60	287.00	237.00	44908	26959
LLN300K180P70(2)_10	33.60	29.40	281.00	220.00	44771	26237
LLN300K180P70(3)_1	23.80	22.40	289.00	252.00	47685	19226
LLN300K180P70(3)_2	28.00	21.70	291.00	271.00	47674	22283
LLN300K180P70(3)_3	21.00	18.90	286.00	244.00	48439	37262
LLN300K180P70(3)_4	19.60	22.40	295.00	271.00	48129	20121
LLN300K180P70(3)_5	26.60	21.70	288.00	257.00	47734	20605
LLN300K180P70(3)_6	21.00	19.60	298.00	242.00	48072	26011
LLN300K180P70(3)_7	17.50	21.70	298.00	244.00	48403	32765
LLN300K180P70(3)_8	23.10	21.00	291.00	251.00	47954	32184
LLN300K180P70(3)_9	20.30	21.70	286.00	269.00	48015	35181
LLN300K180P70(3)_10	22.40	20.30	294.00	251.00	48270	35759
LLN300K180P70(4)_1	23.80	22.40	287.00	244.00	47590	47646
LLN300K180P70(4)_2	22.40	25.20	292.00	240.00	47543	36956
LLN300K180P70(4)_3	23.10	20.30	290.00	245.00	47739	47566
LLN300K180P70(4)_4	27.30	23.10	278.00	247.00	47242	47619
LLN300K180P70(4)_5	23.10	24.50	292.00	246.00	47667	43213
LLN300K180P70(4)_6	23.10	22.40	284.00	244.00	48002	45483
LLN300K180P70(4)_7	23.80	23.80	295.00	265.00	47504	30637
LLN300K180P70(4)_8 LLN300K180P70(4)_9	24.50 21.00	$\frac{23.80}{20.30}$	292.00 292.00	269.00	47359	42542
LLN300K180P70(4)_9 LLN300K180P70(4)_10	26.60	$\frac{20.30}{22.40}$	279.00	240.00 269.00	47881 47290	$\frac{47602}{47535}$
LLN300K180P70(5)_1	25.90	$\frac{22.40}{25.20}$	294.00	283.00	44585	45490
LLN300K180P70(5)_2	27.30	30.10	297.00	244.00	44949	35583
LLN300K180P70(5)_3	32.20	29.40	280.00	244.00	44649	32950
LLN300K180P70(5)_4	28.00	30.10	290.00	274.00	44899	23643
LLN300K180P70(5)_5	27.30	29.40	295.00	271.00	45115	29233
LLN300K180P70(5)_6	30.10	29.40	291.00	267.00	44582	23751
LLN300K180P70(5)_7	30.80	28.70	293.00	270.00	44736	37707
LLN300K180P70(5)_8	28.00	29.40	297.00	282.00	44587	27196
LLN300K180P70(5)_9	27.30	29.40	294.00	271.00	44782	36531
LLN300K180P70(5)_10	30.80	28.00	290.00	254.00	44655	37854
LLN300K180P70(6)_1	30.10	28.00	292.00	260.00	44979	36071
LLN300K180P70(6)_2	31.50	28.00	291.00	256.00	44581	38739
LLN300K180P70(6)_3	31.50	27.30	293.00	296.00	45249	45302
LLN300K180P70(6)_4	27.30	29.40	291.00	251.00	45035	33030
LLN300K180P70(6)_5	32.20	33.60	288.00	285.00	44612	21924
LLN300K180P70(6)_6	27.30	31.50	293.00	265.00	44781	16533
LLN300K180P70(6)_7	32.20	29.40	298.00	278.00	44776	21485
LLN300K180P70(6)_8	30.10	30.10	285.00	278.00	44655	25745
LLN300K180P70(6)_9	31.50	30.80	282.00	282.00	44588	18846
LLN300K180P70(6)_10	32.90	26.60	296.00	281.00	44437	45281
LLN300K180P70(7)_1	25.20	25.90	293.00	261.00	46201	39165
LLN300K180P70(7)_2	30.10	23.80	287.00	268.00	46042	42923
LLN300K180P70(7)_3	25.20	23.80	298.00	274.00	46471	35426
LLN300K180P70(7)_4	28.00	23.80	295.00	256.00	46354	39291
LLN300K180P70(7)_5	27.30	26.60	293.00	255.00	46302	29678
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- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K180P70(7)_6	28.00	26.60	286.00	246.00	46148	33837
LLN300K180P70(7)_7	29.40	30.10	279.00	259.00	46371	29826
LLN300K180P70(7)_8	23.80	20.30	286.00	269.00	46409	43424
LLN300K180P70(7)_9	28.70	23.10	292.00	251.00	46591	38375
LLN300K180P70(7)_10	26.60	19.60	290.00	251.00	46272	47191
LLN300K180P70(8)_1	23.80	20.30	291.00	260.00	46901	33068
LLN300K180P70(8)_2	25.20	22.40	295.00	255.00	46768	24341
LLN300K180P70(8)_3	26.60	22.40	298.00	264.00	46876	21022
LLN300K180P70(8)_4	23.80	22.40	288.00	250.00	46754	23114
LLN300K180P70(8)_5	23.80	24.50	296.00	282.00	46980	22915
LLN300K180P70(8)_6	22.40	23.10	294.00	240.00	46837	25278
LLN300K180P70(8)_7	23.80	21.70	289.00	243.00	46969	30879
LLN300K180P70(8)_8	28.70	23.10	286.00	248.00	46618	29393
LLN300K180P70(8)_9	25.20	24.50	295.00	257.00	46703	18264
LLN300K180P70(8)_10	22.40	24.50	295.00	253.00	47237	14490
LLN300K180P70(9)_1	23.80	19.60	299.00	249.00	47986	27330
LLN300K180P70(9)_2	25.90	16.80	295.00	224.00	48076	41147
LLN300K180P70(9)_3	24.50	17.50	293.00	276.00	47978	34446
LLN300K180P70(9)_4	25.20	20.30	288.00	258.00	48137	20463
LLN300K180P70(9)_5	24.50	20.30	298.00	286.00	47864	21433
LLN300K180P70(9)_6	21.00	19.60	287.00	269.00	48183	21410
LLN300K180P70(9)_7	27.30	18.20	283.00	259.00	47469	27215
LLN300K180P70(9)_8	23.10	18.90	296.00	225.00	47729	24831
LLN300K180P70(9)_9	23.10	18.90	288.00	273.00	48070	21329
LLN300K180P70(9)_10	20.30	18.90	285.00	260.00	47978	18794
LLN300K180P70(10)_1	28.00	26.60	288.00	264.00	47310	36689
LLN300K180P70(10)_2	25.90	26.60	294.00	262.00	47579	31858
LLN300K180P70(10)_3	28.00	25.20	288.00	229.00	47442	42173
LLN300K180P70(10)_4	26.60	24.50	288.00	237.00	47312	40297
LLN300K180P70(10)_5	25.90	28.70	290.00	251.00	47304	23197
LLN300K180P70(10)_6	25.90	28.00	290.00	264.00	47062	22801
LLN300K180P70(10)_7	25.20	24.50	283.00	251.00	47364	31309
LLN300K180P70(10)_8	21.70	28.00	296.00	270.00	47678	27025
LLN300K180P70(10)_9	27.30	23.80	285.00	253.00	47268	45049
LLN300K180P70(10)_10	28.00	24.50	293.00	272.00	45692	47244
LLN300K180P80(1)_1	29.58	31.18	297.00	298.00	47296	47838
LLN300K180P80(1)_2	31.04	31.23	294.00	297.00	47167	47785
LLN300K180P80(1)_3	34.39	30.55	292.00	299.00	46851	47611
LLN300K180P80(1)_4	29.76	29.86	295.00	289.00	47296	47763
LLN300K180P80(1)_5 LLN300K180P80(1)_6	29.13	30.47	297.00	296.00	46951	47640
LLN300K180P80(1)_6 LLN300K180P80(1)_7	34.25 31.12	29.69	298.00 298.00	284.00 294.00	46587	47899
LLN300K180P80(1)_/ LLN300K180P80(1)_8	34.19	26.72 27.55	298.00	294.00	46883 46547	47842 47737
LLN300K180P80(1)_8 LLN300K180P80(1)_9	33.54	28.17	290.00	287.00	46692	47726
LLN300K180P80(1)_10	32.00	27.59	297.00	294.00	46794	48000
LLN300K180P80(2)_1	34.34	34.42	300.00	296.00	45609	46590
LLN300K180P80(2)_1 LLN300K180P80(2)_2	38.29	42.16	292.00	293.00	45592	46173
LLN300K180P80(2)_2 LLN300K180P80(2)_3	37.35	48.20	292.00	293.00		45611
LLN300K180P80(2)_3 LLN300K180P80(2)_4	35.06	39.03	293.00	294.00	45507 45373	46704
LLN300K180P80(2)_4 LLN300K180P80(2)_5	37.42	58.08	293.00	291.00	43373	45482
LLN300K180P80(2)_6	35.75	32.32	300.00	299.00	45033	46730
LLN300K180P80(2)_7	37.31	42.86	293.00	298.00	44657	46374
LLN300K180P80(2)_7 LLN300K180P80(2)_8	38.18	34.44	290.00	299.00	45191	46795
LLN300K180P80(2)_8 LLN300K180P80(2)_9	33.70	$\frac{34.44}{35.24}$	286.00	299.00	45191	46794
LLN300K180P80(2)_10	38.13	$\frac{50.24}{50.52}$	294.00	299.00	45438	45968
LLN300K180P80(2)_10 LLN300K180P80(3)_1	28.88	24.89	285.00	293.00	47981	49279
LLN300K180P80(3)_1 LLN300K180P80(3)_2	30.32	$\frac{24.89}{23.42}$	296.00	293.00	48321	49219
DD113001X1001 00(3)-2	00.04	20.42	200.00	201.00	10041	70000

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K180P80(3)_3	28.79	27.92	298.00	293.00	48148	49362
LLN300K180P80(3)_4	31.01	27.28	293.00	280.00	48020	49134
LLN300K180P80(3)_5	25.82	26.41	297.00	299.00	48589	49609
LLN300K180P80(3)_6	27.96	28.70	292.00	298.00	48432	49363
LLN300K180P80(3)_7	27.81	27.19	283.00	277.00	48306	49158
LLN300K180P80(3)_8	28.16	28.05	297.00	274.00	48322	49064
LLN300K180P80(3)_9	27.75	$\frac{26.53}{26.54}$	296.00	273.00	48625	48998
LLN300K180P80(3)_10	30.38	$\frac{20.34}{27.42}$	297.00	276.00	48171	48895
LLN300K180P80(4)_1	27.25	29.61	297.00	290.00	48280	48632
LLN300K180P80(4)_1 LLN300K180P80(4)_2	31.13	28.06	298.00	293.00	47753	48580
LLN300K180P80(4)_2 LLN300K180P80(4)_3	29.76	27.89	300.00	296.00	47637	48690
LLN300K180P80(4)_3 LLN300K180P80(4)_4	28.82		298.00	296.00	47919	48691
LLN300K180P80(4)_4 LLN300K180P80(4)_5		27.52	299.00			
	30.24	28.72		294.00	47789	49113
LLN300K180P80(4)_6	30.39	30.38	289.00	299.00	48056	48534
LLN300K180P80(4)_7	29.53	28.09	295.00	297.00	48181	49160
LLN300K180P80(4)_8	28.20	27.34	300.00	294.00	47889	49141
LLN300K180P80(4)_9	29.43	28.26	298.00	293.00	47784	48512
LLN300K180P80(4)_10	28.47	28.67	299.00	296.00	48320	48816
LLN300K180P80(5)_1	37.53	36.43	294.00	295.00	44977	46469
LLN300K180P80(5)_2	34.40	35.63	298.00	289.00	45143	46078
LLN300K180P80(5)_3	38.07	38.13	299.00	298.00	44849	45803
LLN300K180P80(5)_4	34.37	34.88	289.00	299.00	44952	46555
LLN300K180P80(5)_5	33.78	34.10	296.00	294.00	44987	46347
LLN300K180P80(5)_6	35.14	35.66	296.00	295.00	45044	46398
LLN300K180P80(5)_7	34.50	36.35	296.00	296.00	44872	46661
LLN300K180P80(5)_8	36.77	37.20	294.00	285.00	44564	46414
LLN300K180P80(5)_9	39.86	49.40	291.00	297.00	44592	45720
LLN300K180P80(5)_10	37.47	37.10	296.00	292.00	44653	46556
LLN300K180P80(6)_1	41.28	33.93	298.00	284.00	44579	46050
LLN300K180P80(6)_2	36.66	42.18	298.00	296.00	45014	45824
LLN300K180P80(6)_3	36.52	36.16	296.00	294.00	45359	46263
LLN300K180P80(6)_4	38.03	33.22	294.00	294.00	45215	45949
LLN300K180P80(6)_5	39.75	34.88	289.00	279.00	44593	45952
LLN300K180P80(6)_6	32.84	34.73	297.00	289.00	45214	45858
LLN300K180P80(6)_7	36.75	34.00	297.00	294.00	45096	46077
LLN300K180P80(6)_8	36.49	33.20	294.00	278.00	45106	45989
LLN300K180P80(6)_9	37.43	35.65	300.00	281.00	44747	45602
LLN300K180P80(6)_10	36.68	34.03	291.00	290.00	44713	45959
LLN300K180P80(7)_1	29.51	26.71	295.00	275.00	46930	48304
LLN300K180P80(7)_2	32.54	27.57	298.00	283.00	46742	48296
LLN300K180P80(7)_3	30.39	26.78	290.00	281.00	47094	48710
LLN300K180P80(7)_4	31.19	28.33	297.00	270.00	46645	48074
LLN300K180P80(7)_5	31.18	26.95	295.00	288.00	47040	48080
LLN300K180P80(7)_6	31.82	25.96	296.00	283.00	46971	48531
LLN300K180P80(7)_7	34.10	28.41	300.00	284.00	47130	48288
LLN300K180P80(7)_8	30.25	28.98	290.00	299.00	46899	48414
LLN300K180P80(7)_9	33.49	28.20	299.00	295.00	46995	48708
LLN300K180P80(7)_10	34.22	28.25	291.00	290.00	46853	48562
LLN300K180P80(8)_1	39.47	29.99	295.00	296.00	46752	48333
LLN300K180P80(8)_2	29.01	29.04	290.00	292.00	47266	48592
LLN300K180P80(8)_3	28.99	28.99	292.00	296.00	47277	48400
LLN300K180P80(8)_4	29.60	44.89	299.00	298.00	47449	47804
LLN300K180P80(8)_5	32.00	27.44	300.00	296.00	47322	48515
LLN300K180P80(8)_6	32.67	30.67	297.00	285.00	46844	48343
LLN300K180P80(8)_7	26.54	41.26	300.00	293.00	47389	47797
LLN300K180P80(8)_8	26.61	48.02	296.00	296.00	47206	47486
LLN300K180P80(8)_9	29.71	37.35	299.00	292.00	47021	48188

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K180P80(8)_10	31.93	49.47	296.00	297.00	46869	47648
LLN300K180P80(9)_1	31.95	22.65	296.00	277.00	48170	49519
LLN300K180P80(9)_2	27.28	23.35	299.00	299.00	48208	49533
LLN300K180P80(9)_3	27.90	23.41	292.00	279.00	48320	49431
LLN300K180P80(9)_4	25.77	27.89	292.00	292.00	48627	49866
LLN300K180P80(9)_5	27.36	23.41	293.00	293.00	48567	49507
LLN300K180P80(9)_6	30.32	26.41	295.00	277.00	48413	49344
LLN300K180P80(9)_7	28.87	26.14	298.00	291.00	48303	49871
LLN300K180P80(9)_8	27.45	23.39	296.00	275.00	48351	49671
LLN300K180P80(9)_9	27.31	21.93	291.00	282.00	48258	49189
LLN300K180P80(9)_10	26.60	26.47	298.00	282.00	48377	49538
LLN300K180P80(10)_1	35.09	31.32	296.00	276.00	47658	48427
LLN300K180P80(10)_2	31.86	29.92	298.00	287.00	47727	48706
LLN300K180P80(10)_3	30.42	28.38	299.00	279.00	47664	48502
LLN300K180P80(10)_4	31.28	27.77	294.00	294.00	47480	48826
LLN300K180P80(10)_5	30.52	28.45	289.00	274.00	47915	48351
LLN300K180P80(10)_6	31.36	30.03	300.00	279.00	47304	48457
LLN300K180P80(10)_7	31.96	27.62	296.00	288.00	47491	48636
LLN300K180P80(10)_8	31.80	29.81	295.00	291.00	48109	48738
LLN300K180P80(10)_9	33.61	29.04	294.00	289.00	47478	48580
LLN300K180P80(10)_10	31.19	28.25	295.00	300.00	47645	48691
LLN300K210P50(1)_1	32.50	30.50	293.00	286.00	47096	43789
LLN300K210P50(1)_2	32.50	30.50	283.00	283.00	47184	33729
LLN300K210P50(1)_3	29.50	30.00	292.00	281.00	47749	30422
LLN300K210P50(1)_4	29.00	31.00	287.00	273.00	47417	32232
LLN300K210P50(1)_5	28.00	29.00	293.00	270.00	47321	34227
LLN300K210P50(1)_6	29.00	31.00	295.00	263.00	47551	24754
LLN300K210P50(1)_7	33.00	29.50	283.00 289.00	295.00	47409	36080
LLN300K210P50(1)_8	32.50	31.50 33.50	289.00	231.00	47478	28810
LLN300K210P50(1)_9 LLN300K210P50(1)_10	31.50 31.00	32.00	293.00	283.00 263.00	47022 47095	20170 28256
LLN300K210P50(2)_1	34.50	36.50	297.00	261.00	45654	21770
LLN300K210P50(2)_2	38.00	31.50	289.00	287.00	45625	22459
LLN300K210F50(2)_3	33.50	32.50	288.00	283.00	45764	25760
LLN300K210P50(2)_4	31.50	29.50	288.00	282.00	46040	46875
LLN300K210P50(2)_5	32.50	$\frac{23.50}{33.50}$	298.00	282.00	46199	24604
LLN300K210P50(2)_6	34.50	32.00	293.00	268.00	45414	33246
LLN300K210P50(2)_7	35.50	36.50	286.00	285.00	45927	21245
LLN300K210P50(2)_8	32.50	33.50	295.00	255.00	45993	25315
LLN300K210P50(2)_9	31.50	31.00	293.00	278.00	46381	35358
LLN300K210P50(2)_10	33.00	31.00	291.00	283.00	46331	25030
LLN300K210P50(3)_1	25.00	26.00	293.00	261.00	49259	27104
LLN300K210P50(3)_2	27.50	26.50	294.00	259.00	48736	29498
LLN300K210P50(3)_3	26.50	26.00	294.00	248.00	48848	45835
LLN300K210P50(3)_4	28.00	24.00	287.00	275.00	48535	31428
LLN300K210P50(3)_5	28.00	26.00	291.00	243.00	48681	35982
LLN300K210P50(3)_6	27.00	25.50	290.00	284.00	48775	31707
LLN300K210P50(3)_7	28.00	26.50	286.00	271.00	48606	35606
LLN300K210P50(3)_8	27.00	24.00	288.00	275.00	48682	39253
LLN300K210P50(3)_9	29.00	25.00	294.00	282.00	48378	33491
LLN300K210P50(3)_10	25.00	25.50	292.00	266.00	49482	30514
LLN300K210P50(4)_1	28.00	27.50	294.00	268.00	48312	42883
LLN300K210P50(4)_2	28.00	28.00	294.00	272.00	48413	49030
LLN300K210P50(4)_3	27.00	27.00	291.00	270.00	48655	41808
LLN300K210P50(4)_4	26.50	28.00	285.00	259.00	48582	44305
LLN300K210P50(4)_5	28.00	27.50	293.00	285.00	48509	46252
LLN300K210P50(4)_6	26.50	26.00	296.00	279.00	48762	49263
LLN300K210P50(4)_5	28.00	27.50	293.00	285.00	48509	46252

T	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K210P50(4)_7	28.00	27.50	295.00	257.00	48400	44365
LLN300K210P50(4)_8	26.50	28.50	295.00	261.00	48803	49084
LLN300K210P50(4)_9	25.50	25.50	296.00	273.00	48782	49490
LLN300K210P50(4)_10	28.00	28.50	295.00	261.00	48567	48975
LLN300K210P50(5)_1	33.00	33.50	296.00	256.00	45766	30910
LLN300K210P50(5)_2	33.50	31.50	293.00	271.00	45449	38813
LLN300K210P50(5)_3	32.50	31.50	295.00	288.00	45954	46488
LLN300K210P50(5)_4	31.00	31.50	298.00	269.00	45923	46382
LLN300K210P50(5)_5	32.50	33.00	289.00	259.00	45869	46187
LLN300K210P50(5)_6	32.50	31.00	287.00	279.00	46122	36418
LLN300K210P50(5)_7	30.50	29.00	297.00	278.00	46073	46917
LLN300K210P50(5)_8	33.00	31.50	282.00	286.00	45785	45438
LLN300K210P50(5)_9	34.00	29.50	296.00	288.00	45768	46737
LLN300K210P50(5)_10	31.50	30.50	291.00	257.00	46011	46433
LLN300K210P50(6)_1	33.00	33.00	296.00	291.00	45473	29801
LLN300K210P50(6)_2	33.00	32.00	289.00	275.00	45637	25847
LLN300K210P50(6)_3	32.50	32.50	294.00	275.00	45409	33128
LLN300K210P50(6)_4	31.00	31.00	293.00	261.00	45563	39909
LLN300K210P50(6)_5	34.50	32.00	287.00	253.00	45068	45875
LLN300K210P50(6)_6	31.00	31.50	286.00	283.00	45700	45057
LLN300K210P50(6)_7	29.50	33.00	290.00	266.00	45637	34479
LLN300K210P50(6)_8	32.50	32.00	290.00	273.00	45412	45986
LLN300K210P50(6)_9	33.50	31.50	294.00	271.00	45112	46658
LLN300K210P50(6)_10	33.00	32.50	290.00	256.00	45223	45811
LLN300K210P50(7)_1	29.50	28.00	298.00	266.00	47614	36898
LLN300K210P50(7)_2	29.50	27.50	280.00	272.00	47541	36134
LLN300K210P50(7)_3	31.00	29.50	284.00	276.00	47685	36577
LLN300K210P50(7)_4 LLN300K210P50(7)_5	28.50	28.00	289.00 286.00	264.00 268.00	47641	36194 43061
LLN300K210P50(7)_5 LLN300K210P50(7)_6	28.50 31.00	$\frac{28.00}{26.00}$	291.00	265.00	47763 47429	43001
LLN300K210P50(7)_7	28.00	$\frac{26.50}{26.50}$	288.00	277.00	47429	48595
LLN300K210F50(7)_8	$\frac{25.50}{25.50}$	$\frac{20.50}{27.50}$	292.00	261.00	47822	48212
LLN300K210P50(7)_9	29.00	28.50	291.00	266.00	47823	46640
LLN300K210P50(7)_10	28.00	29.00	293.00	280.00	47861	41405
LLN300K210P50(8)_1	29.50	$\frac{25.50}{27.50}$	278.00	260.00	47717	27253
LLN300K210P50(8)_2	32.00	29.00	287.00	268.00	47417	29922
LLN300K210P50(8)_3	30.00	27.00	293.00	268.00	47909	43272
LLN300K210P50(8)_4	27.50	27.50	291.00	255.00	48612	31210
LLN300K210P50(8)_5	29.00	27.50	294.00	269.00	47601	21339
LLN300K210P50(8)_6	29.00	28.50	296.00	264.00	47904	21204
LLN300K210P50(8)_7	32.00	29.50	293.00	262.00	48003	25514
LLN300K210P50(8)_8	27.50	29.50	287.00	259.00	48191	24316
LLN300K210P50(8)_9	26.50	27.00	288.00	257.00	48388	41057
LLN300K210P50(8)_10	30.50	26.50	295.00	279.00	47891	38728
LLN300K210P50(9)_1	27.00	26.00	293.00	246.00	49576	38318
LLN300K210P50(9)_2	24.50	26.00	289.00	286.00	49924	31421
LLN300K210P50(9)_3	26.50	24.50	296.00	277.00	49824	36965
LLN300K210P50(9)_4	27.50	25.50	290.00	274.00	49483	27605
LLN300K210P50(9)_5	26.00	24.00	286.00	286.00	49444	49847
LLN300K210P50(9)_6	29.50	25.00	285.00	256.00	49051	32392
LLN300K210P50(9)_7	27.50	25.50	289.00	291.00	49218	28514
LLN300K210P50(9)_8	27.00	25.50	292.00	244.00	49682	20330
LLN300K210P50(9)_9	24.50	25.50	283.00	278.00	49701	31483
LLN300K210P50(9)_10	26.00	25.00	299.00	273.00	49642	28572
LLN300K210P50(10)_1	31.00	31.50	296.00	252.00	48163	25865
LLN300K210P50(10)_2	29.00	31.00	296.00	265.00	48356	40846
LLN300K210P50(10)_3	29.50	30.50	292.00	276.00	48201	30300

Total loss value	GGA 45482 32873 40585 48568 48335 36623 48849 20104 25215 19810 35177
LLN300K210P50(10)_5 31.50 31.50 296.00 276.00 47793 LLN300K210P50(10)_6 29.00 29.00 291.00 281.00 46718 LLN300K210P50(10)_7 30.00 29.00 289.00 272.00 47700 LLN300K210P50(10)_8 29.50 28.50 294.00 264.00 47957 LLN300K210P50(10)_9 32.00 29.50 291.00 261.00 47797 LLN300K210P50(10)_10 30.50 28.50 288.00 286.00 48510 LLN300K210P60(1)_1 35.40 37.80 291.00 260.00 47242 LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	32873 40585 48568 48335 36623 48849 20104 25215 19810
LLN300K210P50(10)_5 31.50 31.50 296.00 276.00 47793 LLN300K210P50(10)_6 29.00 29.00 291.00 281.00 46718 LLN300K210P50(10)_7 30.00 29.00 289.00 272.00 47700 LLN300K210P50(10)_8 29.50 28.50 294.00 264.00 47957 LLN300K210P50(10)_9 32.00 29.50 291.00 261.00 47797 LLN300K210P50(10)_10 30.50 28.50 288.00 286.00 48510 LLN300K210P60(1)_1 35.40 37.80 291.00 260.00 47242 LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	40585 48568 48335 36623 48849 20104 25215 19810
LLN300K210P50(10)_7 30.00 29.00 289.00 272.00 47700 LLN300K210P50(10)_8 29.50 28.50 294.00 264.00 47957 LLN300K210P50(10)_9 32.00 29.50 291.00 261.00 47797 LLN300K210P50(10)_10 30.50 28.50 288.00 286.00 48510 LLN300K210P60(1)_1 35.40 37.80 291.00 260.00 47242 LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	48568 48335 36623 48849 20104 25215 19810
LLN300K210P50(10)_8 29.50 28.50 294.00 264.00 47957 LLN300K210P50(10)_9 32.00 29.50 291.00 261.00 47797 LLN300K210P50(10)_10 30.50 28.50 288.00 286.00 48510 LLN300K210P60(1)_1 35.40 37.80 291.00 260.00 47242 LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	48335 36623 48849 20104 25215 19810
LLN300K210P50(10)_9 32.00 29.50 291.00 261.00 47797 LLN300K210P50(10)_10 30.50 28.50 288.00 286.00 48510 LLN300K210P60(1)_1 35.40 37.80 291.00 260.00 47242 LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	36623 48849 20104 25215 19810
LLN300K210P50(10)_10 30.50 28.50 288.00 286.00 48510 LLN300K210P60(1)_1 35.40 37.80 291.00 260.00 47242 LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	48849 20104 25215 19810
LLN300K210P60(1)_1 35.40 37.80 291.00 260.00 47242 LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	20104 25215 19810
LLN300K210P60(1)_2 37.20 36.00 291.00 280.00 47301 LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	25215 19810
LLN300K210P60(1)_3 37.20 39.60 295.00 269.00 47428	19810
LLN300K210P60(1)_4 37.80 34.80 289.00 245.00 47259	35177
LLN300K210P60(1)_5 34.20 36.00 293.00 249.00 47772	28442
LLN300K210P60(1)_6 36.60 37.20 294.00 282.00 47454	36133
LLN300K210P60(1)_7 39.00 34.80 298.00 260.00 47509	36763
LLN300K210P60(1)_8 38.40 34.80 291.00 274.00 47279	39488
LLN300K210P60(1)_9 36.60 39.00 294.00 285.00 47391	20110
LLN300K210P60(1)_10 36.00 37.80 295.00 256.00 47279	26404
LLN300K210P60(2)_1 37.20 42.00 291.00 254.00 46166	18767
LLN300K210P60(2)_2 39.60 44.40 294.00 263.00 46337	15334
LLN300K210P60(2)_3 39.00 38.40 290.00 260.00 44945	35172
LLN300K210P60(2)_4 38.40 36.00 292.00 290.00 46127	46885
LLN300K210P60(2)_5 42.00 37.20 295.00 252.00 45850	33976
LLN300K210P60(2)_6 39.00 40.20 294.00 269.00 46272	32766
LLN300K210P60(2)_7 40.80 36.60 288.00 275.00 46056	37860
LLN300K210P60(2)_8 42.00 37.20 288.00 290.00 45995	36137
LLN300K210P60(2)_9 40.80 37.20 292.00 265.00 45740	32915
LLN300K210P60(2)_10	24307
LLN300K210P60(3)_1 33.00 29.40 288.00 279.00 48935 LLN300K210P60(3)_2 31.80 30.00 294.00 288.00 49212	36263 38397
LLN300K210P60(3).2 31.80 30.00 294.00 288.00 49212 LLN300K210P60(3).3 34.20 30.60 293.00 267.00 48598	37050
LLN300K210F60(3)_4 31.80 31.80 293.00 272.00 48603	35640
LLN300K210F00(3)_4 31.80 31.80 293.00 272.00 48003 LLN300K210F00(3)_5 30.00 30.00 288.00 270.00 48984	34515
LLN300K210F60(3)_6 30.60 29.40 285.00 291.00 48913	30002
LLN300K210F60(3)_7 30.00 37.20 293.00 275.00 49435	31384
LLN300K210F60(3)_8 31.20 30.00 294.00 281.00 48706	36656
LLN300K210F60(3)_9 33.00 30.00 287.00 270.00 47819	39820
LLN300K210P60(3)_10 31.20 30.60 289.00 270.00 48926	33968
LLN300K210P60(4)_1 31.80 32.40 287.00 294.00 48694	45239
LLN300K210P60(4).2 29.40 31.80 294.00 273.00 48622	43505
LLN300K210P60(4)_3 33.60 32.40 293.00 261.00 48837	48080
LLN300K210P60(4)_4 32.40 33.00 295.00 269.00 48953	49030
LLN300K210P60(4)_5 32.40 30.60 280.00 258.00 48623	49251
LLN300K210P60(4)_6 32.40 30.60 300.00 273.00 48729	49253
LLN300K210P60(4)_7 31.80 31.20 292.00 285.00 48701	48959
LLN300K210P60(4)_8 35.40 32.40 293.00 273.00 48121	49337
LLN300K210P60(4)_9 31.20 31.80 294.00 263.00 48699	49037
LLN300K210P60(4)_10 36.60 33.00 291.00 259.00 48052	48449
LLN300K210P60(5)_1 39.00 36.00 293.00 280.00 45934	32445
LLN300K210P60(5)_2 36.60 40.20 297.00 287.00 46172	38233
LLN300K210P60(5)_3 42.00 43.20 286.00 290.00 45749	30525
LLN300K210P60(5)_4 37.80 36.00 293.00 270.00 45973	44698
LLN300K210P60(5)_5 38.40 39.00 285.00 287.00 46115	24477
LLN300K210P60(5)_6 36.00 40.20 295.00 276.00 46123	29756
LLN300K210P60(5)_7 42.00 35.40 283.00 259.00 45233	46319
LLN300K210P60(5)_8 39.00 38.40 281.00 277.00 45728	39581
LLN300K210P60(5)_9 38.40 37.20 295.00 284.00 46125	40686
LLN300K210P60(5)_10 39.60 35.40 293.00 278.00 45934	47080

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K210P60(6)_1	39.60	37.20	287.00	285.00	45521	36190
LLN300K210P60(6)_2	39.00	37.80	291.00	267.00	45126	44128
LLN300K210P60(6)_3	40.80	37.20	295.00	283.00	45224	46364
LLN300K210P60(6)_4	39.60	37.80	293.00	278.00	45340	39820
LLN300K210P60(6)_5	42.00	40.80	291.00	265.00	45326	21559
LLN300K210P60(6)_6	41.40	38.40	292.00	255.00	45252	46164
LLN300K210P60(6)_7	42.60	40.20	293.00	280.00	45201	29575
LLN300K210P60(6)_8	39.60	43.20	295.00	286.00	45853	31233
LLN300K210P60(6)_9	38.40	39.00	286.00	284.00	45394	27493
LLN300K210P60(6)_10	37.20	39.60	289.00	278.00	45548	31191
LLN300K210P60(7)_1	34.20	32.40	295.00	286.00	48049	38841
LLN300K210P60(7)_2	34.80	32.40	294.00	279.00	47860	46198
LLN300K210P60(7)_3	34.80	33.60	284.00	282.00	47764	48451
LLN300K210P60(7)_4	36.60	35.40	286.00	265.00	47878	30129
LLN300K210P60(7)_5	35.40	31.80	290.00	277.00	47823	48623
LLN300K210P60(7)_6	36.00	33.60	294.00	272.00	47816	38347
LLN300K210P60(7)_7	36.60	30.00	291.00	272.00	48226	48696
LLN300K210P60(7)_8	33.60	31.20	295.00	263.00	47797	48263
LLN300K210P60(7)_9	35.40	33.60	286.00	275.00	47791	37620
LLN300K210P60(7)_10	31.80	31.80	293.00	269.00	48083	48331
LLN300K210P60(8)_1	33.60	30.60	295.00	278.00	47903	45447
LLN300K210P60(8)_2	31.80	37.80	293.00	274.00	48100	24306
LLN300K210P60(8)_3	34.80	34.20	288.00	281.00	47984	18014
LLN300K210P60(8)_4	34.80	32.40	294.00	281.00	47995	36084
LLN300K210P60(8)_5	35.40	33.60	295.00	264.00	47914	23737
LLN300K210P60(8)_6	37.20	32.40	294.00	297.00	47590	41762
LLN300K210P60(8)_7	33.60	34.20	291.00	256.00	48062	26101
LLN300K210P60(8)_8	37.20	31.80	294.00	277.00	47758	28006
LLN300K210P60(8)_9	32.40	30.00	297.00	251.00	47800	42064
LLN300K210P60(8)_10	31.80	30.60	297.00	244.00	48334	48647
LLN300K210P60(9)_1	31.80	28.20	289.00	281.00	49643	42071
LLN300K210P60(9)_2	31.80	31.80	290.00	277.00	49610	16840
LLN300K210P60(9)_3	30.60	29.40	291.00	297.00	49591	33617
LLN300K210P60(9)_4	34.20	29.40	290.00	277.00	49430	25218
LLN300K210P60(9)_5	39.00	28.80	291.00	270.00	49047	40507
LLN300K210P60(9)_6	34.80	37.20	290.00	290.00	49429	15120
LLN300K210P60(9)_7	32.40	31.80	288.00	272.00	49183	28895
LLN300K210P60(9)_8	31.80	30.60	299.00	274.00	49814	25478
LLN300K210P60(9)_9	31.20	30.00	288.00	253.00	49784	33145
LLN300K210P60(9)_10	35.40	30.00	288.00	272.00	42734	27126
LLN300K210P60(10)_1	35.40	33.00	292.00	270.00	48168	41489
LLN300K210P60(10)_2	35.40	36.00	287.00	266.00	48140	36519
LLN300K210P60(10)_3	35.40	33.60	287.00	258.00	48390	45377
LLN300K210P60(10)_4	37.20	34.20	295.00	276.00	48122	48946
LLN300K210P60(10)_5	36.00	33.00	293.00	273.00	48173	44668
LLN300K210P60(10)_6	37.80	35.40	292.00	277.00	48134	38526
LLN300K210P60(10)_7	39.00	33.00	293.00	258.00	48233	43211
LLN300K210P60(10)_8	37.20	36.60	285.00	256.00	47667	48206
LLN300K210P60(10)_9	37.20	36.00	287.00	273.00	48033	29217
LLN300K210P60(10)_10	37.20	37.80	295.00	269.00	48270	33108
LLN300K210P70(1)_1	44.80	40.60	287.00	258.00	47117	26532
LLN300K210P70(1)_2	40.60	42.70	294.00	274.00	47393	31642
LLN300K210P70(1)_3	42.70	42.70	294.00	274.00	47264	21551
LLN300K210P70(1)_4	42.00	42.00	287.00	297.00	47217	47718
LLN300K210P70(1)_5	43.40	43.40	281.00	279.00	47057	23531
LLN300K210P70(1)_6	44.10	42.00	291.00	258.00	47343	26118
LLN300K210P70(1)_7	46.20	44.80	290.00	286.00	47176	25186

T / UTD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K210P70(1)_8	42.00	46.20	294.00	262.00	47282	24636
LLN300K210P70(1)_9	44.10	40.60	290.00	253.00	47271	36517
LLN300K210P70(1)_10	46.20	39.90	285.00	258.00	47104	33390
LLN300K210P70(2)_1	49.70	46.20	297.00	285.00	45714	18704
LLN300K210P70(2)_2	47.60	50.40	295.00	254.00	45591	20215
LLN300K210P70(2)_3	44.80	41.30	293.00	288.00	46309	46148
LLN300K210P70(2)_4	44.80	42.70	297.00	289.00	45794	30519
LLN300K210P70(2)_5	49.70	45.50	291.00	272.00	45646	29881
LLN300K210P70(2)_6	46.90	46.90	290.00	271.00	46077	19187
LLN300K210P70(2)_7	44.10	46.90	293.00	282.00	46188	19504
LLN300K210P70(2)_8	50.40	44.80	291.00	265.00	45228	35160
LLN300K210P70(2)_9	46.90	44.10	289.00	264.00	45877	44187
LLN300K210P70(2)_10	50.40	44.80	287.00	251.00	45776	32051
LLN300K210P70(3)_1	35.70	36.40	293.00	276.00	49280	27678
LLN300K210P70(3)_2	34.30	35.70	293.00	257.00	49483	30523
LLN300K210P70(3)_3	39.20	34.30	293.00	281.00	48640	41764
LLN300K210P70(3)_4	37.10	34.30	297.00	276.00	48951	33973
LLN300K210P70(3)_5	36.40	37.80	284.00	262.00	49050	24473
LLN300K210P70(3)_6	37.80	36.40	294.00	263.00	49259	26726
LLN300K210P70(3)_7	37.10	33.60	289.00	260.00	48701	43305
LLN300K210P70(3)_8	36.40	35.70	298.00	264.00	48678	30020
LLN300K210P70(3)_9	35.70	36.40	294.00	269.00	48800	20515
LLN300K210P70(3)_10	39.90	33.60	287.00	274.00	48603	43165
LLN300K210P70(4)_1	39.90	35.70	294.00	282.00	48367	49409
LLN300K210P70(4)_2	39.90	35.70	288.00	255.00	48460	49165
LLN300K210P70(4)_3	41.30	37.80	293.00	262.00	48105	37787
LLN300K210P70(4)_4	42.70	37.80	293.00	268.00	48635	49332
LLN300K210P70(4)_5 LLN300K210P70(4)_6	37.80	$\frac{35.70}{35.70}$	292.00 281.00	268.00	48414 48633	47980
LLN300K210P70(4)_0 LLN300K210P70(4)_7	40.60 37.80	36.40	298.00	284.00 281.00	48561	49398 49364
LLN300K210P70(4)_7 LLN300K210P70(4)_8	37.10	38.50	290.00	272.00	48433	49304
LLN300K210P70(4)_9	42.00	37.10	286.00	263.00	48086	49028
LLN300K210P70(4)_10	35.00	37.10	298.00	274.00	48810	49468
LLN300K210P70(5)_1	44.10	45.50	295.00	284.00	46178	29592
LLN300K210P70(5)_2	42.70	50.40	291.00	283.00	45866	33050
LLN300K210P70(5)_3	46.20	42.00	298.00	283.00	46069	46487
LLN300K210P70(5)_4	46.20	42.00	297.00	268.00	45940	43182
LLN300K210P70(5)_5	49.00	42.70	293.00	290.00	45818	46624
LLN300K210P70(5)_6	43.40	45.50	286.00	296.00	46235	30190
LLN300K210P70(5)_7	46.20	46.90	295.00	273.00	46001	31399
LLN300K210P70(5)_8	44.80	45.50	292.00	281.00	45944	24195
LLN300K210P70(5)_9	44.80	43.40	293.00	285.00	46090	30967
LLN300K210P70(5)_10	46.20	46.20	293.00	275.00	45972	35025
LLN300K210P70(6)_1	47.60	42.00	290.00	271.00	45319	38317
LLN300K210P70(6)_2	46.90	45.50	291.00	248.00	45381	32297
LLN300K210P70(6)_3	44.10	46.90	298.00	294.00	45413	34202
LLN300K210P70(6)_4	48.30	44.80	285.00	284.00	45161	34765
LLN300K210P70(6)_5	44.80	44.10	290.00	283.00	45279	36021
LLN300K210P70(6)_6	42.70	44.80	290.00	278.00	45883	46016
LLN300K210P70(6)_7	46.90	42.00	292.00	287.00	45077	32857
LLN300K210P70(6)_8	42.00	42.70	294.00	264.00	45738	46121
LLN300K210P70(6)_9	44.80	46.90	289.00	272.00	45495	22181
LLN300K210P70(6)_10	45.50	41.30	291.00	283.00	45377	46388
LLN300K210P70(7)_1	40.60	39.20	297.00	268.00	48182	45374
LLN300K210P70(7)_2	39.20	38.50	290.00	261.00	48072	47546
LLN300K210P70(7)_3	36.40	35.00	294.00	259.00	48439	43315
LLN300K210P70(7)_4	40.60	40.60	293.00	290.00	47827	44259

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K210P70(7)_5	40.60	39.90	290.00	256.00	48137	41668
LLN300K210P70(7)_6	40.60	39.20	288.00	259.00	48140	36244
LLN300K210P70(7)_7	42.70	38.50	297.00	268.00	47901	42122
LLN300K210P70(7)_8	39.90	39.20	296.00	288.00	47919	33740
LLN300K210P70(7)_9	36.40	41.30	293.00	260.00	48161	44349
LLN300K210P70(7)_10	37.10	35.70	296.00	278.00	47849	48485
LLN300K210P70(8)_1	39.20	36.40	298.00	285.00	48361	36817
LLN300K210P70(8)_2	43.40	37.80	293.00	280.00	48010	46902
LLN300K210P70(8)_3	37.80	37.10	297.00	275.00	48077	32747
LLN300K210P70(8)_4	39.20	41.30	297.00	254.00	48072	20594
LLN300K210P70(8)_5	42.00	37.80	291.00	264.00	47812	42921
LLN300K210P70(8)_6	39.90	35.70	294.00	273.00	48215	48996
LLN300K210P70(8)_7	40.60	39.90	292.00	276.00	47810	22211
LLN300K210P70(8)_8	38.50	41.30	291.00	273.00	47997	23874
LLN300K210P70(8)_9	44.10	39.20	292.00	271.00	47541	35938
LLN300K210P70(8) ₋ 10	40.60	37.10	300.00	270.00	47954	33008
LLN300K210P70(9)_1	37.80	33.60	291.00	287.00	49519	38024
LLN300K210P70(9)_2	42.00	38.50	294.00	283.00	49191	22398
LLN300K210P70(9)_3	37.80	33.60	288.00	239.00	49526	34749
LLN300K210P70(9)_4	42.00	37.10	290.00	257.00	49478	18421
LLN300K210P70(9)_5	39.20	34.30	288.00	275.00	49345	33378
LLN300K210P70(9)_6	41.30	34.30	296.00	274.00	49470	30242
LLN300K210P70(9)_7	37.10	35.00	300.00	259.00	49494	23950
LLN300K210P70(9)_8	41.30	35.70	287.00	265.00	49094	27501
LLN300K210P70(9)_9	39.90	34.30	293.00	246.00	49541	49017
LLN300K210P70(9)_10	37.80	32.20	291.00	255.00	49460	42364
LLN300K210P70(10)_1	42.70	37.80	296.00	279.00	48072	42485
LLN300K210P70(10)_2 LLN300K210P70(10)_3	41.30	42.00	288.00 291.00	270.00 257.00	48025	39147 28103
LLN300K210P70(10)_3 LLN300K210P70(10)_4	44.10	44.80	291.00	292.00	48084 47953	35087
LLN300K210P70(10)_4 LLN300K210P70(10)_5	42.70	40.60	293.00	286.00	48023	35935
LLN300K210P70(10)_6	42.70	40.60	289.00	269.00	47945	43904
LLN300K210P70(10)_7	44.80	39.20	291.00	286.00	48176	34680
LLN300K210P70(10)_8	42.00	38.50	289.00	271.00	47960	44103
LLN300K210P70(10)_9	40.60	36.40	295.00	266.00	48290	46431
LLN300K210P70(10)_10	47.60	39.20	290.00	275.00	47568	48648
LLN300K210P80(1)_1	50.39	50.62	295.00	297.00	47463	48714
LLN300K210P80(1)_2	48.33	48.39	293.00	291.00	47479	48462
LLN300K210P80(1)_3	48.31	49.19	295.00	292.00	47834	48562
LLN300K210P80(1)_4	47.67	49.20	291.00	297.00	47854	48538
LLN300K210P80(1)_5	50.61	49.38	296.00	297.00	47736	48314
LLN300K210P80(1)_6	50.75	50.76	298.00	284.00	47219	48382
LLN300K210P80(1)_7	49.16	50.71	298.00	291.00	47605	48664
LLN300K210P80(1)_8	51.28	48.46	297.00	287.00	47788	48784
LLN300K210P80(1)_9	52.93	52.31	300.00	296.00	47451	48400
LLN300K210P80(1)_10	51.33	56.80	297.00	295.00	47717	48125
LLN300K210P80(2)_1	55.90	67.63	297.00	294.00	45888	46458
LLN300K210P80(2)_2	57.60	66.83	300.00	297.00	45893	46924
LLN300K210P80(2)_3	58.06	53.23	295.00	293.00	46023	47640
LLN300K210P80(2)_4	56.72	59.25	297.00	297.00	45967	47086
LLN300K210P80(2)_5	56.73	60.13	300.00	295.00	45774	47097
LLN300K210P80(2)_6	59.94	58.57	296.00	293.00	45692	47476
LLN300K210P80(2)_7	56.74	67.04	300.00	300.00	45718	46517
LLN300K210P80(2)_8	55.54	72.93	285.00	300.00	46163	46265
LLN300K210P80(2)_9	57.71	69.08	295.00	299.00	45937	46557
LLN300K210P80(2)_10	54.56	71.53	294.00	297.00	46228	46154
LLN300K210P80(3)_1	46.75	41.31	300.00	292.00	48728	50286

	Total lo	ss value	Number	of active MDs	Time	$\overline{(ms)}$
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K210P80(3)_2	48.10	41.32	295.00	291.00	48857	50345
LLN300K210P80(3)_3	50.33	42.07	300.00	297.00	48850	50701
LLN300K210P80(3)_4	43.70	42.86	297.00	295.00	49281	50643
LLN300K210P80(3)_5	46.02	44.49	298.00	292.00	48888	50292
LLN300K210P80(3)_6	42.13	41.28	286.00	297.00	49266	50409
LLN300K210P80(3)_7	45.21	49.74	295.00	296.00	48871	49976
LLN300K210P80(3)_8	42.74	44.45	299.00	297.00	48955	50427
LLN300K210P80(3)_9	43.00	41.24	297.00	297.00	49316	50488
LLN300K210P80(3)_10	48.19	40.42	298.00	288.00	48648	50334
LLN300K210P80(4)_1	48.23	45.07	299.00	298.00	48608	49976
LLN300K210P80(4)_2	46.77	47.10	295.00	297.00	48768	49770
LLN300K210P80(4)_3	46.73	48.20	299.00	294.00	48821	49924
LLN300K210P80(4)_4	46.01	46.74	285.00	294.00	48698	49641
LLN300K210P80(4)_5	44.50	46.06	298.00	293.00	49233	49579
LLN300K210P80(4)_6	46.80	47.39	299.00	299.00	48822	49826
LLN300K210P80(4)_7	49.03	46.10	293.00	299.00	48750	49535
LLN300K210P80(4)_8	50.60	50.64	292.00	294.00	48542	49515
LLN300K210P80(4)_9	44.51	44.50	299.00	298.00	48498	49821
LLN300K210P80(4)_10	45.22	45.28	295.00	297.00	49081	49844
LLN300K210P80(5)_1	54.54	63.46	296.00	298.00	46011	46944
LLN300K210P80(5)_2	52.34	92.46	295.00	298.00	46065	45130
LLN300K210P80(5)_3	54.59	55.78	299.00	298.00	46215	47117
LLN300K210P80(5)_4	53.86	66.58	297.00	292.00	46138	46368
LLN300K210P80(5)_5	52.40	85.50	297.00	295.00	46004	45787
LLN300K210P80(5)_6	56.08	61.89	297.00	299.00	46049	46944
LLN300K210P80(5)_7	52.22	61.92	297.00	297.00	46413	46987
LLN300K210P80(5)_8	51.34	62.68	297.00	297.00	46450	46903
LLN300K210P80(5)_9	50.65	58.04	296.00	297.00	46485	47170
LLN300K210P80(5)_10	54.55	95.42	296.00	290.00	46213	45297
LLN300K210P80(6)_1	55.14	79.31	295.00	298.00	45439	45588
LLN300K210P80(6)_2	56.70	67.21	299.00	293.00	45465	45892
LLN300K210P80(6)_3	57.74	51.83	297.00	288.00	45221	46630
LLN300K210P80(6)_4	53.69	53.23	291.00	298.00	45647	47104
LLN300K210P80(6)_5	52.23	51.87	296.00	291.00	45549	46637
LLN300K210P80(6)_6	56.19	52.60	290.00	298.00	45172	46816
LLN300K210P80(6)_7	55.23	54.71	294.00	294.00	45251	47056
LLN300K210P80(6)_8	52.10	53.26	296.00	298.00	45805	47184
LLN300K210P80(6)_9	57.52	48.92	298.00	297.00	45340	47240
LLN300K210P80(6)_10	55.34	52.67	293.00	299.00	45410	46975
LLN300K210P80(7)_1	49.52	44.74	296.00	299.00	48036	48847
LLN300K210P80(7)_2	48.87	44.75	295.00	291.00	48142	49248
LLN300K210P80(7)_3	49.07	43.98	296.00	296.00	47620	49326
LLN300K210P80(7)_4	45.89	44.50	299.00	299.00	47885	49173
LLN300K210P80(7)_5	46.48	46.35	295.00	281.00	48108	48643
LLN300K210P80(7)_6	48.24	42.49	300.00	295.00	48039	49261
LLN300K210P80(7)_7	49.16	44.81	298.00	292.00	47501	49307
LLN300K210P80(7)_8	48.93	45.44	299.00	296.00	47859	48779
LLN300K210P80(7)_9	47.48	44.74	298.00	293.00	47913	49064
LLN300K210P80(7)_10	49.84	44.78	297.00	294.00	47695	49190
LLN300K210P80(8)_1	51.23	52.96	297.00	295.00	48080	49387
LLN300K210P80(8)_2	48.86	48.43	295.00	295.00	48150	49326
LLN300K210P80(8)_3	51.32	65.74	297.00	297.00	47927	48703
LLN300K210P80(8)_4	47.40	46.92	296.00	299.00	48307	49361
LLN300K210P80(8)_5	50.55	47.55	296.00	294.00	48204	49493
LLN300K210P80(8)_6	50.51	48.31	298.00	298.00	48356	49695
LLN300K210P80(8)_7	48.24	82.71	299.00	294.00	48653	48071
LLN300K210P80(8)_8	49.89	46.75	300.00	299.00	47932	49401
LL1\300\\\210\f\00(\0)_0	13.03	40.10	500.00	<i>∆∂∂.</i> UU	41304	494UI

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37325
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15466
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21821
21863
35406
44736
26302
44437
37006
46507
40924
51290
51421
48755
50604
50821
51133
50725

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K250P50(4)_6	45.50	42.00	290.00	288.00	50088	50878
LLN300K250P50(4)_7	43.00	42.00	289.00	287.00	49971	46285
LLN300K250P50(4)_8	41.50	43.00	294.00	277.00	50149	51176
LLN300K250P50(4)_9	43.50	40.00	293.00	286.00	49875	47050
LLN300K250P50(4)_10	41.50	43.00	292.00	283.00	49910	50656
LLN300K250P50(5)_1	46.50	49.50	299.00	283.00	46566	47739
LLN300K250P50(5)_2	48.50	46.00	296.00	277.00	46656	45248
LLN300K250P50(5)_3	48.00	56.50	291.00	266.00	46516	41451
LLN300K250P50(5)_4	48.00	47.50	296.00	277.00	46556	38594
LLN300K250P50(5)_5	47.50	49.00	297.00	283.00	46496	47902
LLN300K250P50(5)_6	49.00	47.00	291.00	287.00	46738	39927
LLN300K250P50(5)_7	47.50	46.00	289.00	293.00	46660	38748
LLN300K250P50(5)_8	46.00	52.50	296.00	293.00	46883	28366
LLN300K250P50(5)_9	46.50	50.50	298.00	296.00	46661	34173
LLN300K250P50(5)_10	49.50	48.00	294.00	273.00	46403	44306
LLN300K250P50(6)_1	48.00	48.00	295.00	276.00	46347	47485
LLN300K250P50(6)_2	49.50	53.50	296.00	290.00	46330	32509
LLN300K250P50(6)_3	49.00	50.00	297.00	277.00	45986	35198
LLN300K250P50(6)_4	50.50	48.00	296.00	293.00	46439	39137
LLN300K250P50(6)_5	49.50	46.00	297.00	288.00	46493	47833
LLN300K250P50(6)_6	49.50	54.50	292.00	288.00	46222	29892
LLN300K250P50(6)_7	49.50	51.00	294.00	290.00	46683	22246
LLN300K250P50(6)_8	47.50	50.00	298.00	287.00	46737	39651
LLN300K250P50(6)_9	49.50	52.00	290.00	276.00	46420	32461
LLN300K250P50(6)_10	49.00	62.00	288.00	273.00	45907	16818
LLN300K250P50(7)_1	46.50	42.00	291.00	293.00	49107	50223
LLN300K250P50(7)_2	44.00	42.50	297.00	285.00	49300	50108
LLN300K250P50(7)_3	45.00	43.00	280.00	275.00	48919	46254
LLN300K250P50(7)_4	44.50	43.50	288.00	280.00	49014	49959
LLN300K250P50(7)_5	45.00	45.00	292.00	294.00	48885	43433
LLN300K250P50(7)_6 LLN300K250P50(7)_7	46.00	44.50	298.00	278.00	49002	46041
` '	45.50	45.00	300.00	284.00 290.00	48809	41497
LLN300K250P50(7)_8	43.50	43.50	297.00		49088	46907
LLN300K250P50(7)_9 LLN300K250P50(7)_10	46.50	48.00	292.00 291.00	284.00 280.00	48718 49263	31676 43076
LLN300K250P50(8)_1	43.00	$\frac{46.00}{43.50}$	291.00	274.00	49203	30216
LLN300K250P50(8)_1 LLN300K250P50(8)_2	48.00	50.00	293.00	256.00	48327	30210
LLN300K250P50(8)_3	46.00	44.50	295.00	286.00	48545	31885
LLN300K250P50(8)_4	46.00	44.50	291.00	281.00	48391	38259
LLN300K250P50(8)_5	44.00	42.50	295.00	287.00	48752	50217
LLN300K250P50(8)_6	45.50	48.00	295.00	275.00	48447	19701
LLN300K250P50(8)_7	45.00	44.50	295.00	271.00	48827	30010
LLN300K250P50(8)_8	45.50	50.50	294.00	283.00	48622	21201
LLN300K250P50(8)_9	45.50	51.50	290.00	268.00	48634	22138
LLN300K250P50(8)_10	45.00	49.50	295.00	288.00	48668	17719
LLN300K250P50(9)_1	41.50	45.50	297.00	276.00	50589	33058
LLN300K250P50(9)_2	43.50	47.00	295.00	266.00	50167	20780
LLN300K250P50(9)_3	44.00	45.00	293.00	290.00	50160	38722
LLN300K250P50(9)_4	42.00	42.00	296.00	288.00	50202	50932
LLN300K250P50(9)_5	43.00	43.50	295.00	277.00	50055	43757
LLN300K250P50(9)_6	42.50	43.00	292.00	283.00	50347	45715
LLN300K250P50(9)_7	42.50	44.00	297.00	275.00	50244	37123
LLN300K250P50(9)_8	41.50	43.50	289.00	284.00	50817	34128
LLN300K250P50(9)_9	45.50	40.50	292.00	263.00	49443	51222
LLN300K250P50(9)_10	42.50	45.50	290.00	289.00	50026	39988
LLN300K250P50(10)_1	46.00	47.50	292.00	283.00	49386	44149
LLN300K250P50(10)_2	46.00	45.00	290.00	290.00	49483	50073
LL11300K230F30(10)_2	40.00	40.00	490.00	∆∂U.UU	43400	90019

LIN300K250P50(10)_3		Total lo	ss value	Number	of active MDs	Time	(ms)
LIN300K250PS0(10)_5	Instance_#Run						` ′
LIN300K250PS0(10)_5	LLN300K250P50(10) 3	45 50	46 50	294 00	290.00	49492	49878
LLN300K250PS0(10).5	, ,						
LLN300K250PS0(10).6	` '						
LLN300K250P50(10).7	` '						
LLN300K250P50(10).8	` '						
LLN300K250P50(10).10	` '						
LLN300K250P60(1).1	` '						
LLN300K250P60(1).1 58.20 63.00 294.00 281.00 47950 22608 LLN300K250P60(1).2 56.40 66.60 293.00 279.00 47821 13588 LLN300K250P60(1).4 58.20 58.20 296.00 282.00 47658 38779 LLN300K250P60(1).5 57.60 54.60 294.00 285.00 47464 22869 LLN300K250P60(1).5 57.60 54.60 294.00 285.00 47823 35451 LLN300K250P60(1).7 57.00 57.00 296.00 283.00 48012 32477 LLN300K250P60(1).8 58.20 57.00 293.00 282.00 48116 49142 LLN300K250P60(1).8 58.20 57.00 293.00 282.00 48116 49142 LLN300K250P60(1).9 58.20 57.00 293.00 283.00 48244 42857 LLN300K250P60(1).1 55.20 56.40 298.00 285.00 47828 33485 LLN300K250P60(2).1 58.80 68.40 294.00 254.00 46957 15109 LLN300K250P60(2).2 60.60 66.00 293.00 266.00 46654 35075 LLN300K250P60(2).3 60.00 61.20 288.00 268.00 46541 35075 LLN300K250P60(2).4 59.40 61.80 289.00 282.00 46547 22937 LLN300K250P60(2).5 59.40 60.60 294.00 281.00 46631 35075 LLN300K250P60(2).7 63.60 60.00 294.00 281.00 46637 33914 LLN300K250P60(2).7 63.60 60.00 294.00 281.00 46637 33914 LLN300K250P60(2).7 63.60 60.00 294.00 281.00 46637 33914 LLN300K250P60(2).7 63.60 60.00 294.00 281.00 46633 37585 LLN300K250P60(2).7 63.60 60.00 294.00 281.00 46638 2660 LLN300K250P60(2).1 60.00 68.40 297.00 262.00 46688 24619 LLN300K250P60(3).1 51.00 50.40 292.00 280.00 4673 36568 LLN300K250P60(3).1 51.00 50.40 292.00 280.00 4673 36568 LLN300K250P60(3).4 52.80 47.40 289.00 283.00 49930 286.00 LLN300K250P60(3).4 52.80 50.40 292.00 286.00 50176 49769 LLN300K250P60(3).4 52.80 50.40 292.00 286.00 50176 49769 LLN300K250P60(3).4 52.80 50.40 292.00 286.00 50176 49769 LLN300K250P60(3).4 52.80 50.40 292.00 285.00 49960 4178 4178 LLN300K250P60(4).4 52.20 50.40 293.00 285.00	` '						
LLN300K250P60(1).2	` ,						
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LLN300K250P60(1).4 58.20 58.20 296.00 282.00 47658 38779 LLN300K250P60(1).5 57.60 54.60 294.00 285.00 47823 35451 LLN300K250P60(1).7 57.00 59.40 300.00 285.00 47823 35451 LLN300K250P60(1).7 57.00 57.00 296.00 283.00 48012 32477 LLN300K250P60(1).8 58.20 57.00 293.00 282.00 48116 49142 LLN300K250P60(1).10 55.20 56.40 298.00 285.00 47828 33485 LLN300K250P60(1).10 55.20 56.40 298.00 285.00 47828 33485 LLN300K250P60(2).1 58.80 68.40 294.00 254.00 46697 15109 LLN300K250P60(2).2 60.60 66.00 293.00 266.00 46698 32658 LLN300K250P60(2).2 60.60 66.00 293.00 282.00 46541 35055 LLN300K250P60(2).4 59.40 61.80 289.00 282.00 46541 31255 LLN300K250P60(2).5 59.40 60.60 292.00 283.00 46544 31255 LLN300K250P60(2).7 63.60 60.00 229.00 284.00 46693 32658 LLN300K250P60(2).7 63.60 60.00 229.00 284.00 46643 327685 LLN300K250P60(2).8 62.40 59.40 298.00 287.00 46692 29038 LLN300K250P60(2).9 62.40 60.60 299.00 287.00 46692 29038 LLN300K250P60(2).10 60.00 68.40 297.00 262.00 46668 24619 LLN300K250P60(3).1 51.00 51.00 291.00 283.00 4993 41544 LLN300K250P60(3).2 59.40 48.00 295.00 286.00 50152 41193 LLN300K250P60(3).3 50.40 48.60 299.00 286.00 50152 41193 LLN300K250P60(3).3 50.40 48.60 299.00 286.00 50152 41193 LLN300K250P60(3).3 50.40 48.60 299.00 286.00 50156 41769 41760 LLN300K250P60(3).3 50.40 49.20 298.00 286.00 50166 36458 LLN300K250P60(3).5 51.00 48.60 299.00 286.00 50176 49769 LLN300K250P60(3).5 51.00 49.80 299.00 285.00 49743 36495 LLN300K250P60(3).5 51.00 49.80 299.00 285.00 49743 36495 LLN300K250P60(4).4 52.20 50.40 299.00 285.00 49743 36495 LLN300K250P60(4).4 52.20 50.40 299.00 285.00 49745 51230 LLN300K250P60(4).5 51.60 49.80 299.00	3 /						
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LLN300K250P60(2).5 59.40 60.60 292.00 283.00 46544 31255 LLN300K250P60(2).6 61.20 60.00 294.00 281.00 46273 33914 LLN300K250P60(2).7 63.60 60.00 289.00 284.00 46433 27585 LLN300K250P60(2).8 62.40 59.40 298.00 287.00 46692 2903 LLN300K250P60(2).9 62.40 60.60 293.00 280.00 46473 36568 LLN300K250P60(2).10 60.00 68.40 297.00 262.00 46868 24619 LLN300K250P60(3).1 51.00 51.00 291.00 283.00 49933 41544 LLN300K250P60(3).2 49.20 50.40 292.00 286.00 50152 41193 LLN300K250P60(3).4 52.80 47.40 289.00 283.00 49375 44178 LLN300K250P60(3).5 47.40 51.00 293.00 281.00 49930 28609 LLN300K250P60(3).6 51.00 48.60	LLN300K250P60(2)_3	60.00	61.20	288.00	268.00	46541	35075
LLN300K250P60(2).6 61.20 60.00 294.00 281.00 46273 33914 LLN300K250P60(2).7 63.60 60.00 289.00 284.00 46433 27585 LLN300K250P60(2).8 62.40 59.40 298.00 287.00 46692 29038 LLN300K250P60(2).9 62.40 60.60 293.00 280.00 46473 36568 LLN300K250P60(2).10 60.00 68.40 297.00 262.00 46868 24619 LLN300K250P60(3).1 51.00 51.00 291.00 283.00 49993 41544 LLN300K250P60(3).2 49.20 50.40 292.00 286.00 50152 41193 LLN300K250P60(3).4 52.80 47.40 289.00 283.00 49375 44178 LLN300K250P60(3).5 47.40 51.00 293.00 283.00 49930 28609 LLN300K250P60(3).6 51.00 48.60 290.00 283.00 5003 4178 LLN300K250P60(3).8 53.40 49.80	LLN300K250P60(2)_4	59.40	61.80	289.00	282.00	46577	22937
LLN300K250P60(2).7 63.60 60.00 289.00 284.00 46433 27585 LLN300K250P60(2).8 62.40 59.40 298.00 287.00 46692 29038 LLN300K250P60(2).9 62.40 60.60 293.00 280.00 4673 36568 LLN300K250P60(2).10 60.00 68.40 297.00 262.00 4688 24619 LLN300K250P60(3).1 51.00 51.00 291.00 283.00 49993 41544 LLN300K250P60(3).2 49.20 50.40 292.00 286.00 50176 49769 LLN300K250P60(3).3 50.40 48.00 295.00 286.00 50176 49769 LLN300K250P60(3).4 52.80 47.40 289.00 283.00 49375 44178 LLN300K250P60(3).5 47.40 51.00 293.00 281.00 49930 28609 LLN300K250P60(3).6 51.00 48.60 290.00 283.00 50331 4178 LLN300K250P60(3).8 53.40 49.80	LLN300K250P60(2)_5	59.40	60.60	292.00	283.00	46544	31255
LLN300K250P60(2)_8 62.40 59.40 298.00 287.00 46692 29038 LLN300K250P60(2)_9 62.40 60.60 293.00 280.00 46473 36568 LLN300K250P60(2)_10 60.00 68.40 297.00 262.00 46868 24619 LLN300K250P60(3)_2 49.20 50.40 292.00 286.00 50176 49769 LLN300K250P60(3)_3 50.40 48.00 295.00 286.00 50176 49769 LLN300K250P60(3)_4 52.80 47.40 289.00 283.00 49375 44178 LLN300K250P60(3)_4 52.80 47.40 289.00 283.00 5003 44178 LLN300K250P60(3)_5 47.40 51.00 293.00 281.00 49930 28609 LLN300K250P60(3)_5 47.40 51.00 293.00 282.00 49743 36495 LLN300K250P60(3)_7 48.00 49.20 298.00 282.00 49743 36495 LLN300K250P60(3)_8 53.40 49.80	LLN300K250P60(2)_6	61.20	60.00	294.00	281.00	46273	33914
LLN300K250P60(2)_9 62.40 60.60 293.00 280.00 46473 36568 LLN300K250P60(2)_10 60.00 68.40 297.00 262.00 46868 24619 LLN300K250P60(3)_1 51.00 51.00 291.00 283.00 49993 41544 LLN300K250P60(3)_2 49.20 50.40 292.00 286.00 50152 41193 LLN300K250P60(3)_3 50.40 48.00 295.00 286.00 50176 49769 LLN300K250P60(3)_4 52.80 47.40 289.00 283.00 49375 44178 LLN300K250P60(3)_5 47.40 51.00 293.00 281.00 49930 28609 LLN300K250P60(3)_6 51.00 48.60 290.00 283.00 49743 36495 LLN300K250P60(3)_7 48.00 49.20 298.00 282.00 49743 36495 LLN300K250P60(3)_8 53.40 49.80 296.00 275.00 50163 4112 LLN300K250P60(3)_1 52.80 51.60	LLN300K250P60(2)_7	63.60	60.00	289.00	284.00	46433	27585
LLN300K250P60(2)_9 62.40 60.60 293.00 280.00 46473 36568 LLN300K250P60(2)_10 60.00 68.40 297.00 262.00 46868 24619 LLN300K250P60(3)_1 51.00 51.00 291.00 283.00 49993 41544 LLN300K250P60(3)_2 49.20 50.40 292.00 286.00 50152 41193 LLN300K250P60(3)_3 50.40 48.00 295.00 286.00 50176 49769 LLN300K250P60(3)_4 52.80 47.40 289.00 283.00 49375 44178 LLN300K250P60(3)_5 47.40 51.00 293.00 281.00 49930 28609 LLN300K250P60(3)_6 51.00 48.60 290.00 283.00 49743 36495 LLN300K250P60(3)_7 48.00 49.20 298.00 282.00 49743 36495 LLN300K250P60(3)_8 53.40 49.80 296.00 275.00 50163 4112 LLN300K250P60(3)_1 52.80 51.60	LLN300K250P60(2)_8	62.40	59.40	298.00	287.00	46692	29038
LLN300K250P60(2)_10 60.00 68.40 297.00 262.00 46868 24619 LLN300K250P60(3)_1 51.00 51.00 291.00 283.00 49993 41544 LLN300K250P60(3)_2 49.20 50.40 292.00 286.00 50152 41193 LLN300K250P60(3)_3 50.40 48.00 295.00 286.00 50176 49769 LLN300K250P60(3)_4 52.80 47.40 289.00 283.00 49375 44178 LLN300K250P60(3)_5 47.40 51.00 293.00 281.00 49930 28609 LLN300K250P60(3)_6 51.00 48.60 290.00 283.00 5003 41788 LLN300K250P60(3)_7 48.00 49.20 298.00 282.00 49743 36495 LLN300K250P60(3)_8 53.40 49.80 294.00 275.00 50161 36145 LLN300K250P60(3)_10 52.80 51.60 291.00 276.00 49758 32638 LLN300K250P60(4)_1 52.20 50.40	LLN300K250P60(2)_9	62.40	60.60	293.00	280.00	46473	36568
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LLN300K250P60(5)_9 58.20 55.20 287.00 283.00 46395 48032	` ,						
	LLN300K250P60(5)_9	58.20	55.20	287.00	283.00	46395	48032

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K250P60(5)_10	60.60	59.40	294.00	277.00	46573	35731
LLN300K250P60(6)_1	55.80	59.40	291.00	279.00	46687	46429
LLN300K250P60(6)_2	57.60	59.40	295.00	275.00	46153	40147
LLN300K250P60(6)_3	61.20	63.00	294.00	271.00	46034	24509
LLN300K250P60(6)_4	62.40	59.40	292.00	282.00	46032	32642
LLN300K250P60(6)_5	59.40	55.80	292.00	285.00	46250	47798
LLN300K250P60(6)_6	59.40	60.60	293.00	291.00	46343	41146
LLN300K250P60(6)_7	60.60	63.60	295.00	283.00	46250	34904
LLN300K250P60(6)_8	57.60	57.60	297.00	294.00	46442	43850
LLN300K250P60(6)_9	57.60	66.00	297.00	292.00	46741	33507
LLN300K250P60(6)_10	55.20	62.40	296.00	286.00	46481	38870
LLN300K250P60(7)_1	54.00	50.40	297.00	293.00	48887	49683
LLN300K250P60(7)_2	53.40	55.20	289.00	277.00	48831	39341
LLN300K250P60(7)_3	54.00	54.60	288.00	289.00	48968	47643
LLN300K250P60(7)_4	54.00	54.00	294.00	288.00	49178	40018
LLN300K250P60(7)_5	55.80	53.40	289.00	292.00	48712	48583
LLN300K250P60(7)_6	54.60	54.60	293.00	273.00	48972	40507
LLN300K250P60(7)_7	52.20	54.00	298.00	283.00	49133	48607
LLN300K250P60(7)_8	57.60	52.80	300.00	281.00	48562	50049
LLN300K250P60(7)_9	52.80	56.40	299.00	281.00	49041	32310
LLN300K250P60(7)_10	55.20	55.20	295.00	279.00	48900	32887
LLN300K250P60(8)_1	54.00	53.40	296.00	277.00	48473	25339
LLN300K250P60(8)_2	54.00	52.80	295.00	280.00	48564	49851
LLN300K250P60(8)_3	54.00	55.20	299.00	291.00	48306	32374
LLN300K250P60(8)_4	53.40	52.80	296.00	290.00	48623	44125
LLN300K250P60(8)_5	55.20	55.80	299.00	279.00	48362	32297
LLN300K250P60(8)_6	52.80	56.40	294.00	271.00	48722	47424
LLN300K250P60(8)_7	49.80	53.40	292.00	278.00	49115	42486
LLN300K250P60(8)_8	53.40	53.40	297.00	287.00	48779	49842
LLN300K250P60(8)_9	50.40	54.00	295.00	298.00	49207	44917
LLN300K250P60(8)_10	55.80	54.60	297.00	274.00	48384	37812
LLN300K250P60(9)_1	52.80	55.20	291.00	269.00	50299	25923
LLN300K250P60(9)_2	51.00	50.40	293.00	267.00	50324	51072
LLN300K250P60(9)_3	55.80	50.40	289.00	282.00	50426	51087
LLN300K250P60(9)_4	52.20	52.20	296.00	297.00	50429	40078
LLN300K250P60(9)_5	56.40	60.00	285.00	285.00	49920	18901
LLN300K250P60(9)_6	53.40	54.60	294.00	280.00	50263	30697
LLN300K250P60(9)_7	49.20	53.40	298.00	289.00	50632	28974
LLN300K250P60(9)_8	50.40	50.40	282.00	272.00	47068	40684
LLN300K250P60(9)_9	53.40	53.40	297.00	282.00	50268	27094
LLN300K250P60(9)_10	52.20	55.20	295.00	288.00	50462	23590
LLN300K250P60(10)_1	57.60	52.80	288.00	287.00	49051	50190
LLN300K250P60(10)_1 LLN300K250P60(10)_2	54.00	56.40	299.00	287.00	49051	41092
	55.20		299.00		49303	41092
LLN300K250P60(10)_3		54.60		274.00		
LLN300K250P60(10)_4	53.40	51.60	295.00	279.00	49658	46384
LLN300K250P60(10)_5	55.20	53.40	292.00	286.00	49044	46696
LLN300K250P60(10)_6	56.40	54.00	289.00	282.00	49096	49970
LLN300K250P60(10)_7	55.80	54.60	291.00	284.00	49171	49997
LLN300K250P60(10)_8	56.40	52.20	292.00	281.00	49519	50081
LLN300K250P60(10)_9	52.80	53.40	292.00	286.00	49615	49975
LLN300K250P60(10)_10	54.60	54.00	295.00	285.00	49514	40651
LLN300K250P70(1)_1	65.10	70.00	289.00	284.00	47980	27064
LLN300K250P70(1)_2	65.80	66.50	295.00	276.00	47311	46421
LLN300K250P70(1)_3	67.20	67.90	294.00	276.00	48038	48835
LLN300K250P70(1)_4	65.10	72.80	286.00	293.00	48254	25711
LLN300K250P70(1)_5	67.90	70.70	294.00	267.00	47768	26541
LLN300K250P70(1)_6	65.80	74.20	289.00	283.00	48026	21602

T / UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K250P70(1)_7	66.50	67.20	294.00	294.00	48093	29381
LLN300K250P70(1)_8	65.80	65.10	299.00	283.00	47799	47562
LLN300K250P70(1)_9	70.00	72.10	294.00	288.00	47512	36531
LLN300K250P70(1)_10	66.50	65.80	294.00	281.00	47826	37886
LLN300K250P70(2)_1	68.60	70.00	295.00	289.00	46819	46147
LLN300K250P70(2)_2	70.70	65.80	296.00	299.00	46497	47830
LLN300K250P70(2)_3	68.60	68.60	293.00	284.00	46774	47592
LLN300K250P70(2)_4	68.60	69.30	300.00	279.00	46680	47605
LLN300K250P70(2)_5	71.40	69.30	294.00	269.00	46557	30529
LLN300K250P70(2)_6	71.40	77.00	297.00	257.00	46557	16116
LLN300K250P70(2)_7	71.40	67.20	291.00	285.00	46536	44305
LLN300K250P70(2)_8	71.40	78.40	297.00	273.00	46473	23688
LLN300K250P70(2)_9	70.70	72.10	298.00	283.00	46719	22094
LLN300K250P70(2)_10	73.50	77.70	296.00	294.00	46429	15809
LLN300K250P70(3)_1	59.50	59.50	284.00	288.00	49795	32174
LLN300K250P70(3)_2	63.00	55.30	296.00	286.00	49634	41977
LLN300K250P70(3)_3	56.70	60.90	295.00	276.00	49981	32226
LLN300K250P70(3)_4	57.40	58.10	294.00	280.00	50464	38393
LLN300K250P70(3)_5	60.20	56.00	298.00	268.00	49793	42192
LLN300K250P70(3)_6	63.00	58.10	290.00	289.00	49456	39616
LLN300K250P70(3)_7	59.50	53.90	295.00	266.00	50013	48437
LLN300K250P70(3)_8	57.40	58.10	297.00	277.00	50475	33301
LLN300K250P70(3)_9	58.80	58.10	290.00	286.00	49958	36077
LLN300K250P70(3)_10	58.10	57.40	294.00	279.00	50048	41603
LLN300K250P70(4)_1	60.20	60.20	294.00	279.00	50159	45902
LLN300K250P70(4)_2	61.60	58.80	291.00	273.00	49903	50700
LLN300K250P70(4)_3	63.70	59.50	297.00	277.00	50089	50450
LLN300K250P70(4)_4	56.00	60.20	294.00	283.00	49964	50810
LLN300K250P70(4)_5	58.80	59.50	290.00	284.00	50242	51120
LLN300K250P70(4)_6	61.60	56.00	296.00	287.00	49916	50951
LLN300K250P70(4)_7	60.90	58.10	291.00	288.00	50045	51083
LLN300K250P70(4)_8	60.20	58.10	291.00	284.00	49923	51072
LLN300K250P70(4)_9	62.30	58.10	289.00	282.00	49536	51109
LLN300K250P70(4)_10	63.00	55.30	293.00	277.00	49448	51009
LLN300K250P70(5)_1	67.90	65.80	299.00	297.00	46905	43123
LLN300K250P70(5)_2	71.40	69.30	296.00	285.00	46165	36107
LLN300K250P70(5)_3	67.90	67.20	294.00	285.00	46744	45419
LLN300K250P70(5)_4	66.50	65.10	289.00	287.00	46594	45319
LLN300K250P70(5)_5	66.50	69.30	294.00	290.00	46817	32130
LLN300K250P70(5)_6	65.80	61.60	294.00	282.00	46584	48238
LLN300K250P70(5)_7	67.20	70.00	290.00	286.00	46631	32573
LLN300K250P70(5)_8	67.90	71.40	291.00	289.00	46479	28052
LLN300K250P70(5)_9	68.60	67.90	291.00	293.00	46298	47871
LLN300K250P70(5)_10	66.50	67.20	296.00	284.00	46564	41440
LLN300K250P70(6)_1	67.20	74.20	297.00	287.00	46312	38344
LLN300K250P70(6)_2	68.60	68.60	297.00	279.00	46522	47469
LLN300K250P70(6)_3	72.10	74.90	294.00	276.00	46031	27798
LLN300K250P70(6)_4	68.60	74.20	293.00	270.00	46348	37107
LLN300K250P70(6)_5	70.00	69.30	298.00	281.00	45863	44128
LLN300K250P70(6)_6	69.30	69.30	297.00	282.00	46097	40403
LLN300K250P70(6)_7	69.30	70.70	297.00	276.00	46348	40665
LLN300K250P70(6)_8	67.90	72.80	294.00	293.00	46059	27138
LLN300K250P70(6)_9	68.60	72.10	293.00	288.00	46417	34645
LLN300K250P70(6)_10	70.00	70.00	297.00	280.00	46229	40391
LLN300K250P70(7)_1	67.90	60.20	296.00	291.00	48697	47446
LLN300K250P70(7)_2	66.50	60.90	298.00	290.00	48841	41258
LLN300K250P70(7)_3	63.00	63.00	299.00	273.00	48936	44050

LIN300K250P70(7).4 60.90 62.30 294.00 289.00 490.32 41560 LIN300K250P70(7).5 61.60 61.00 203.00 294.00 274.00 49117 47596 LIN300K250P70(7).7 64.40 66.50 299.00 277.00 48854 44106 LIN300K250P70(7).7 64.40 66.50 299.00 277.00 48854 44106 LIN300K250P70(7).9 64.40 62.30 295.00 282.00 49005 50033 LIN300K250P70(7).9 64.40 62.30 295.00 282.00 49005 50033 LIN300K250P70(8).1 66.50 60.90 292.00 279.00 48583 5033 LIN300K250P70(8).1 66.50 60.90 292.00 279.00 48583 5033 LIN300K250P70(8).1 66.50 60.90 292.00 279.00 48583 5033 LIN300K250P70(8).2 66.50 66.00 294.00 285.00 48210 48066 LIN300K250P70(8).2 66.50 61.00 294.00 285.00 48210 48066 LIN300K250P70(8).3 61.60 58.80 297.00 271.00 48533 33870 LIN300K250P70(8).4 63.70 67.90 294.00 271.00 48133 34186 LIN300K250P70(8).5 64.40 63.00 295.00 276.00 48424 31078 48422 4166 LIN300K250P70(8).5 64.40 63.00 295.00 287.00 48422 42166 LIN300K250P70(8).6 65.80 58.80 297.00 287.00 48359 39551 LIN300K250P70(8).6 65.80 56.50 287.00 287.00 48359 39551 LIN300K250P70(8).6 65.50 65.50 527.00 287.00 48359 39551 LIN300K250P70(8).9 66.50 63.70 299.00 288.00 48274 36297 LIN300K250P70(9).1 60.90 595.00 291.00 50089 36802 LIN300K250P70(9).2 61.60 65.80 300.00 272.00 50065 2542 LIN300K250P70(9).4 58.10 58.80 295.00 277.00 50065 2542 LIN300K250P70(9).4 58.10 58.80 295.00 286.00 50139 33406 LIN300K250P70(9).5 60.90 59.50 291.00 280.00 50139 33644 LIN300K250P70(9).4 58.10 58.80 295.00 280.00 50139 32644 LIN300K250P70(9).5 60.90 59.50 291.00 280.00 50139 32644 LIN300K250P70(9).5 60.90 59.50 291.00 280.00 50139 32644 LIN300K250P70(1).6 60.20 63.70 295.00 280.00 49151 33978 LIN300K250P70(1).6 63.70 63.70 295.00	- "	Total lo	ss value	Number	of active MDs	Time	(ms)
LLN300K250P70(7), 4	Instance_#Run						,
LIN300K250P70(7).5	LLN300K250P70(7) 4	60.90		294.00	289.00	49032	
LIN300K250P70(7).6	. ,						
LLN300K250P70(7).7							
LLN300K250P70(7).8							
LLN300K250P70(7)-9							
LLN300K250P70(8).1 66.50 60.90 292.00 279.00 48583 50332 LLN300K250P70(8).2 66.50 65.80 61.60 294.00 285.00 48210 48066 LLN300K250P70(8).2 66.50 65.10 297.00 271.00 48232 27382 LLN300K250P70(8).3 61.60 58.80 297.00 271.00 48233 39870 48300K250P70(8).4 63.70 67.90 294.00 271.00 48433 34186 LLN300K250P70(8).6 64.40 63.00 295.00 276.00 48424 31078 48424 484078 48424 484078 48424 484078 48424 484078 48424 484078 48425 48444 484078 48425 48444 484078 48444 48444 484078 48444 48444 484078 484444 48444 48444 48444 484444 484444 484444 484444 484444							
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LLN300K250P70(9).5 60.90 56.70 296.00 290.00 50135 50927 LLN300K250P70(9).6 60.20 63.70 297.00 286.00 50203 41774 LLN300K250P70(9).8 60.20 59.50 293.00 286.00 50139 32644 LLN300K250P70(9).9 63.70 63.70 295.00 288.00 50099 28989 LLN300K250P70(9).10 60.90 58.80 299.00 290.00 50127 29024 LLN300K250P70(10).1 64.40 64.40 296.00 280.00 49151 33978 LLN300K250P70(10).2 65.10 64.40 293.00 284.00 49169 4985 LLN300K250P70(10).3 64.40 63.00 294.00 281.00 49147 49986 LLN300K250P70(10).4 65.80 63.70 292.00 280.00 48933 34486 LLN300K250P70(10).5 65.80 60.20 288.00 278.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 <td>LLN300K250P70(9)_3</td> <td>63.00</td> <td>62.30</td> <td>294.00</td> <td>284.00</td> <td>49836</td> <td>24844</td>	LLN300K250P70(9)_3	63.00	62.30	294.00	284.00	49836	24844
LLN300K250P70(9).6 60.20 63.70 297.00 286.00 50203 41774 LLN300K250P70(9).7 60.20 63.00 294.00 285.00 50139 32644 LLN300K250P70(9).8 60.20 59.50 293.00 286.00 50179 42377 LLN300K250P70(9).9 63.70 63.70 295.00 288.00 50099 28920 LLN300K250P70(9).10 66.90 58.80 299.00 290.00 50127 29024 LLN300K250P70(10).1 64.40 64.40 296.00 280.00 49151 33978 LLN300K250P70(10).2 65.10 64.40 293.00 284.00 49169 40875 LLN300K250P70(10).4 65.80 63.70 292.00 280.00 49147 49986 LLN300K250P70(10).5 65.80 63.70 292.00 285.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 292.00 285.00 49414 49491 LLN300K250P80(10).7 60.20 64.40 </td <td>LLN300K250P70(9)_4</td> <td>58.10</td> <td>58.80</td> <td>295.00</td> <td>277.00</td> <td>50490</td> <td>51125</td>	LLN300K250P70(9)_4	58.10	58.80	295.00	277.00	50490	51125
LLN300K250P70(9).7 60.20 63.00 294.00 285.00 50139 32644 LLN300K250P70(9).8 60.20 59.50 293.00 286.00 50179 42377 LLN300K250P70(9).9 63.70 63.70 295.00 288.00 50099 28989 LLN300K250P70(10).1 64.40 64.40 296.00 280.00 49151 3397 LLN300K250P70(10).2 65.10 64.40 293.00 284.00 49169 40875 LLN300K250P70(10).3 64.40 63.00 294.00 281.00 49147 49986 LLN300K250P70(10).4 65.80 63.70 292.00 280.00 48933 34486 LLN300K250P70(10).5 65.80 60.20 288.00 278.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 292.00 280.00 49147 49931 LLN300K250P70(10).9 65.80 62.30 291.00 280.00 4964 35071 LLN300K250P70(10).9 65.80 62.30 <td>LLN300K250P70(9)_5</td> <td>60.90</td> <td>56.70</td> <td>296.00</td> <td>290.00</td> <td>50135</td> <td>50927</td>	LLN300K250P70(9)_5	60.90	56.70	296.00	290.00	50135	50927
LLN300K250P70(9).7 60.20 63.00 294.00 285.00 50139 32644 LLN300K250P70(9).8 60.20 59.50 293.00 286.00 50179 42377 LLN300K250P70(9).9 63.70 63.70 295.00 288.00 50099 28989 LLN300K250P70(10).1 64.40 64.40 296.00 280.00 49151 3397 LLN300K250P70(10).2 65.10 64.40 293.00 284.00 49169 40875 LLN300K250P70(10).3 64.40 63.00 294.00 281.00 49147 49986 LLN300K250P70(10).4 65.80 63.70 292.00 280.00 48933 34486 LLN300K250P70(10).5 65.80 60.20 288.00 278.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 292.00 280.00 49147 49931 LLN300K250P70(10).9 65.80 62.30 291.00 280.00 4964 35071 LLN300K250P70(10).9 65.80 62.30 <td>LLN300K250P70(9)_6</td> <td>60.20</td> <td>63.70</td> <td>297.00</td> <td>286.00</td> <td>50203</td> <td>41774</td>	LLN300K250P70(9)_6	60.20	63.70	297.00	286.00	50203	41774
LLN300K250P70(9).9 63.70 63.70 295.00 288.00 50099 28989 LLN300K250P70(9).10 60.90 58.80 299.00 290.00 50127 29024 LLN300K250P70(10).1 64.40 64.40 296.00 280.00 49151 33978 LLN300K250P70(10).3 64.40 63.00 294.00 281.00 49147 49986 LLN300K250P70(10).4 65.80 63.70 292.00 280.00 48933 34486 LLN300K250P70(10).5 65.80 60.20 288.00 278.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 292.00 285.00 49410 34577 LLN300K250P70(10).7 60.20 64.40 296.00 280.00 49864 35071 LLN300K250P70(10).8 67.90 63.00 293.00 292.00 49125 50201 LLN300K250P80(10).8 67.90 63.00 293.00 292.00 49123 50139 LLN300K250P80(1).1 80.92 103.9	LLN300K250P70(9)_7	60.20	63.00	294.00	285.00	50139	32644
LLN300K250P70(9).9 63.70 63.70 295.00 288.00 50099 28989 LLN300K250P70(9).10 60.90 58.80 299.00 290.00 50127 29024 LLN300K250P70(10).1 64.40 64.40 296.00 280.00 49151 33978 LLN300K250P70(10).3 64.40 63.00 294.00 281.00 49147 49986 LLN300K250P70(10).4 65.80 63.70 292.00 280.00 48933 34486 LLN300K250P70(10).5 65.80 60.20 288.00 278.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 292.00 285.00 49410 34577 LLN300K250P70(10).7 60.20 64.40 296.00 280.00 49864 35071 LLN300K250P70(10).8 67.90 63.00 293.00 292.00 49125 50201 LLN300K250P80(10).8 67.90 63.00 293.00 292.00 49123 50139 LLN300K250P80(1).1 80.92 103.9	LLN300K250P70(9)_8	60.20	59.50	293.00	286.00	50179	42377
LLN300K250P70(9).10 60.90 58.80 299.00 290.00 50127 29024 LLN300K250P70(10).1 64.40 64.40 296.00 280.00 49151 33978 LLN300K250P70(10).2 65.10 64.40 293.00 284.00 49169 40875 LLN300K250P70(10).4 65.80 63.70 292.00 280.00 48933 34486 LLN300K250P70(10).5 65.80 60.20 288.00 278.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 292.00 285.00 49147 49931 LLN300K250P70(10).6 63.70 67.20 292.00 285.00 49147 49931 LLN300K250P70(10).7 60.20 64.40 296.00 280.00 49864 35071 LLN300K250P70(10).9 65.80 62.30 291.00 288.00 49125 50201 LLN300K250P80(1).1 80.92 103.95 299.00 288.00 47688 47847 LLN300K250P80(1).2 80.16 108.	LLN300K250P70(9)_9	63.70	63.70		288.00	50099	28989
LLN300K250P70(10)_1 64.40 64.40 296.00 280.00 49151 33978 LLN300K250P70(10)_2 65.10 64.40 293.00 284.00 49169 40875 LLN300K250P70(10)_3 64.40 63.00 294.00 281.00 49147 49986 LLN300K250P70(10)_4 65.80 63.70 292.00 280.00 48933 34486 LLN300K250P70(10)_5 65.80 60.20 288.00 278.00 49147 49931 LLN300K250P70(10)_6 63.70 67.20 292.00 285.00 49410 34577 LLN300K250P70(10)_7 60.20 64.40 296.00 280.00 49864 35071 LLN300K250P70(10)_8 67.90 63.00 293.00 292.00 49125 50201 LLN300K250P70(10)_10 63.70 64.40 299.00 288.00 49123 50139 LLN300K250P80(1)_1 80.92 103.95 299.00 288.00 47688 47847 LLN300K250P80(1)_3 79.38 85.	. ,			299.00			
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LLN300K250P80(2)_10 83.39	` ,						
	LLN300K250P80(2)_10	83.39	113.33	300.00	295.00	46479	46151

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K250P80(3)_1	66.39	74.04	299.00	297.00	50208	51436
LLN300K250P80(3)_2	72.47	65.88	294.00	297.00	49830	51506
LLN300K250P80(3)_3	71.77	71.25	298.00	298.00	50075	51297
LLN300K250P80(3)_4	68.55	100.83	298.00	299.00	50310	49635
LLN300K250P80(3)_5	68.75	98.51	298.00	298.00	50248	49956
LLN300K250P80(3)_6	70.28	85.68	298.00	287.00	50320	50447
LLN300K250P80(3)_7	71.05	84.88	297.00	298.00	49942	50168
LLN300K250P80(3)_8	69.64	92.40	295.00	298.00	50073	50330
LLN300K250P80(3)_9	70.99					49785
()		94.71	300.00	299.00	49960	
LLN300K250P80(3)_10	71.69	68.88	296.00	296.00	49960	51256
LLN300K250P80(4)_1	73.17	72.02	299.00	296.00	50147	51086
LLN300K250P80(4)_2	72.63	70.99	295.00	300.00	50075	51474
LLN300K250P80(4)_3	76.31	73.19	297.00	293.00	49707	50706
LLN300K250P80(4)_4	72.51	71.79	297.00	296.00	49942	51007
LLN300K250P80(4)_5	73.23	71.16	298.00	293.00	50220	50842
LLN300K250P80(4)_6	73.34	73.50	293.00	297.00	49885	50596
LLN300K250P80(4)_7	73.14	73.27	295.00	294.00	50072	50873
LLN300K250P80(4)_8	73.17	73.29	299.00	297.00	49925	50992
LLN300K250P80(4)_9	71.82	73.99	295.00	298.00	50011	50860
LLN300K250P80(4)_10	72.51	74.25	300.00	291.00	49769	50722
LLN300K250P80(5)_1	82.65	119.13	296.00	296.00	46376	45884
LLN300K250P80(5)_2	77.98	120.60	298.00	298.00	46655	45884
LLN300K250P80(5)_3	84.11	122.89	293.00	299.00	46592	45717
LLN300K250P80(5)_4	82.62	126.73	297.00	299.00	46211	45493
LLN300K250P80(5)_5	80.34	122.75	299.00	298.00	46579	46087
LLN300K250P80(5)_6	81.88	127.53	295.00	290.00	46687	45586
LLN300K250P80(5)_7	83.48	124.36	300.00	298.00	46323	45605
LLN300K250P80(5)_8	82.72	115.97	297.00	295.00	46668	46148
LLN300K250P80(5)_9	77.40	114.52	300.00	299.00	46913	46245
LLN300K250P80(5)_10	81.94	127.45	300.00	295.00	46248	45590
LLN300K250P80(6)_1	82.76	117.42	294.00	300.00	45999	45689
LLN300K250P80(6)_2	82.01	111.99	297.00	295.00	46405	46102
LLN300K250P80(6)_3	81.17	113.01	295.00	297.00	46320	45506
LLN300K250P80(6)_4	83.45	88.28	300.00	298.00	46000	47821
LLN300K250P80(6)_5	86.40	111.30	293.00	297.00	45928	45793
LLN300K250P80(6)_6	82.57	108.96	293.00	299.00	46425	46325
LLN300K250P80(6)_7	82.55	109.78	293.00	296.00	46335	45894
()		83.42	297.00	298.00	46163	46773
LLN300K250P80(6)_8 LLN300K250P80(6)_9	81.78					
	84.65	105.26	298.00	300.00	46306	46180
LLN300K250P80(6)_10	85.53	110.48	297.00	298.00	46086	45752
LLN300K250P80(7)_1	72.41	85.18	298.00	298.00	49385	50015
LLN300K250P80(7)_2	74.02	79.74	299.00	297.00	49029	49872
LLN300K250P80(7)_3	74.91	73.81	296.00	300.00	48823	50228
LLN300K250P80(7)_4	74.80	72.98	297.00	296.00	49194	50130
LLN300K250P80(7)_5	75.78	107.99	299.00	295.00	49115	48378
LLN300K250P80(7)_6	77.26	76.02	297.00	293.00	48914	50237
LLN300K250P80(7)_7	80.20	74.05	297.00	295.00	48638	50081
LLN300K250P80(7)_8	77.23	92.02	299.00	298.00	48803	49533
LLN300K250P80(7)_9	77.08	74.62	300.00	295.00	48849	50178
LLN300K250P80(7)_10	74.08	79.85	297.00	296.00	48702	49909
LLN300K250P80(8)_1	74.85	110.87	300.00	299.00	48600	48475
LLN300K250P80(8)_2	72.48	104.03	295.00	297.00	48852	48285
LLN300K250P80(8)_3	72.48	97.81	299.00	299.00	48726	48822
LLN300K250P80(8)_4	74.74	112.32	300.00	297.00	48721	48231
LLN300K250P80(8)_5	75.66	116.26	297.00	293.00	48735	48086
LLN300K250P80(8)_6	75.63	102.50	296.00	299.00	48628	48449
LLN300K250P80(8)_7	74.91	111.64	296.00	297.00	48939	48436
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- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
LLN300K250P80(8)_8	74.78	99.45	299.00	296.00	49045	48578
LLN300K250P80(8)_9	75.76	110.02	297.00	297.00	48504	48447
LLN300K250P80(8)_10	75.49	108.46	300.00	297.00	48780	48442
LLN300K250P80(9)_1	70.37	101.58	291.00	297.00	50198	49467
LLN300K250P80(9)_2	72.57	105.26	297.00	287.00	50369	49633
LLN300K250P80(9)_3	74.17	76.98	295.00	295.00	50253	51205
LLN300K250P80(9)_4	73.33	93.79	299.00	297.00	50346	50220
LLN300K250P80(9)_5	76.55	105.26	297.00	294.00	49999	49638
LLN300K250P80(9)_6	72.53	106.05	292.00	293.00	50215	49407
LLN300K250P80(9)_7	76.22	103.02	294.00	299.00	49973	49233
LLN300K250P80(9)_8	74.04	78.57	299.00	292.00	50146	51281
LLN300K250P80(9)_9	73.03	104.58	299.00	295.00	49860	49568
LLN300K250P80(9)_10	73.22	104.51	294.00	298.00	50174	49524
LLN300K250P80(10)_1	78.67	79.81	300.00	300.00	49427	50086
LLN300K250P80(10)_2	76.48	101.01	298.00	297.00	49544	48805
LLN300K250P80(10)_3	76.22	107.09	298.00	297.00	49682	48426
LLN300K250P80(10)_4	75.66	74.51	295.00	299.00	49769	50346
LLN300K250P80(10)_5	78.88	79.72	297.00	296.00	49332	50134
LLN300K250P80(10)_6	78.15	75.33	295.00	296.00	49316	50234
LLN300K250P80(10)_7	77.22	81.38	300.00	299.00	49560	49765
LLN300K250P80(10)_8	77.10	82.82	297.00	296.00	49436	49833
LLN300K250P80(10)_9	74.10	104.83	298.00	297.00	49630	48456
LLN300K250P80(10)_10	75.53	103.37	297.00	297.00	50044	48640
N500K160P50(1)_1	4.00	0.00	459.00	160.00	62971	143
N500K160P50(1)_2	5.50	0.00	480.00	160.00	68282	144
N500K160P50(1)_3	3.50	0.00	491.00	160.00	68117	143
N500K160P50(1)_4	1.50	0.00	485.00	160.00	68037	141
N500K160P50(1)_5	5.50	0.00	489.00	160.00	68151	143
N500K160P50(1)_6	5.50	0.00	473.00	160.00	68241	146
N500K160P50(1)_7	4.50	0.00	469.00	160.00	67212	139
N500K160P50(1)_8	6.50	0.00	475.00	160.00	58628	142
N500K160P50(1)_9	3.00	0.00	466.00	160.00	68013	139
N500K160P50(1)_10	5.00	0.00	475.00	160.00	68065	140
N500K160P50(2)_1	4.50	0.00	471.00	160.00	67509	141
N500K160P50(2)_2	4.00	0.00	482.00	160.00	68146	139
N500K160P50(2)_3	3.50	0.00	480.00	160.00	67244	141
N500K160P50(2)_4	6.50	0.00	480.00	160.00	67317	142
N500K160P50(2)_5	5.00	0.00	482.00	160.00	67539	140
N500K160P50(2)_6	7.00	0.00	482.00	160.00	67381	140
N500K160P50(2)_7	2.50	0.00	474.00	160.00	67926	143
N500K160P50(2)_8	5.50	0.00	480.00	160.00	67637	138
N500K160P50(2)_9	3.50	0.00	477.00	160.00	67970	141
N500K160P50(2)_10	3.50	0.00	473.00	160.00	67925	140
N500K160P50(3)_1	7.00	0.00	493.00	160.00	69320	143
N500K160P50(3)_2	3.00	0.00	476.00	160.00	69203	142
N500K160P50(3)_3	4.50	0.00	480.00	160.00	67952	144
N500K160P50(3)_4	4.50	0.00	470.00	160.00	67707	141
N500K160P50(3)_5	5.00	0.00	490.00	160.00	50025	141
N500K160P50(3)_6	4.00	0.00	477.00	160.00	67777	143
N500K160P50(3)_7	6.00	0.00	484.00	160.00	47973	141
N500K160P50(3)_8	5.50	0.00	475.00	160.00	67898	143
N500K160P50(3)_9	5.00	0.00	480.00	160.00	68555	143
N500K160P50(3)_10	4.00	0.00	479.00	160.00	68068	144
N500K160P50(4)_1	3.00	0.00	485.00	160.00	68522	146
N500K160P50(4)_2	2.50	0.00	479.00	160.00	68316	142
N500K160P50(4)_3	3.50	0.00	491.00	160.00	68883	146
N500K160P50(4)_4	6.00	0.00	483.00	160.00	68919	140

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K160P50(4)_5	5.50	0.00	481.00	160.00	67757	141
N500K160P50(4)_6	4.50	0.00	471.00	160.00	68284	141
N500K160P50(4)_7	5.00	0.00	480.00	160.00	68012	139
N500K160P50(4)_8	2.50	0.00	486.00	160.00	68760	142
N500K160P50(4)_9	5.00	0.00	455.00	160.00	68009	144
N500K160P50(4)_10	3.00	0.00	485.00	160.00	69140	143
N500K160P50(5)_1	4.50	0.00	495.00	160.00	67701	139
N500K160P50(5)_2	2.00	0.00	489.00	160.00	68149	141
N500K160P50(5)_3	3.50	0.00	478.00	160.00	67894	142
N500K160P50(5)_4 N500K160P50(5)_5	2.50	0.00	485.00 473.00	160.00 160.00	67910 67914	140 138
N500K160P50(5)_6	4.00	0.00	480.00	160.00	67576	141
N500K160P50(5)_7	3.00	0.00	490.00	160.00	67883	140
N500K160P50(5)_8	5.50	0.00	486.00	160.00	67975	140
N500K160P50(5)_9	3.50	0.00	486.00	160.00	68050	141
N500K160P50(5)_10	1.50	0.00	472.00	160.00	67918	140
N500K160P50(6)_1	3.50	0.00	485.00	160.00	68179	142
N500K160P50(6)_2	4.00	0.00	482.00	160.00	63178	141
N500K160P50(6)_3	7.00	0.00	474.00	160.00	67909	143
N500K160P50(6)_4	4.00	0.00	485.00	160.00	68585	143
N500K160P50(6)_5	4.00	0.00	473.00	160.00	68322	141
N500K160P50(6)_6	4.00	0.00	475.00	160.00	67453	142
N500K160P50(6)_7	5.00	0.00	481.00	160.00	57312	142
N500K160P50(6)_8	3.50	0.00	498.00	160.00	68674	141
N500K160P50(6)_9	4.00	0.00	491.00	160.00	68744	143
N500K160P50(6)_10	2.50	0.00	471.00	160.00	68292	142
N500K160P50(7)_1	6.50	0.00	487.00	160.00	64426	132
N500K160P50(7)_2	6.50	0.00	485.00	160.00	63987	132
N500K160P50(7)_3	5.50	0.00	482.00	160.00	64681	130
N500K160P50(7)_4	6.00	0.00	486.00	160.00	63935	132
N500K160P50(7)_5	7.00	0.00	480.00	160.00	63908	133
N500K160P50(7)_6	9.00	0.00	456.00	160.00	62861	131
N500K160P50(7)_7	5.00	0.00	459.00	160.00	64126	132
N500K160P50(7)_8	5.00	0.00	472.00	160.00	64411	129
N500K160P50(7)_9	5.00	0.00	491.00	160.00	64105	128
N500K160P50(7)_10	4.50	0.00	480.00	160.00	64681	129
N500K160P50(8)_1	4.50	0.00	474.00	160.00 160.00	65565	135
N500K160P50(8)_2 N500K160P50(8)_3	2.00 3.50	0.00	488.00 472.00	160.00	66560 66860	136 133
N500K160P50(8)_4	3.00	0.00	454.00	160.00	66002	135
N500K160P50(8)_5	4.50	0.00	486.00	160.00	65843	135
N500K160P50(8)_6	4.50	0.00	453.00	160.00	65555	137
N500K160P50(8)_7	4.00	0.00	488.00	160.00	66386	135
N500K160P50(8)_8	7.50	0.00	494.00	160.00	66284	135
N500K160P50(8)_9	4.00	0.00	483.00	160.00	66571	134
N500K160P50(8)_10	4.00	0.00	481.00	160.00	67292	138
N500K160P50(9)_1	4.00	0.00	485.00	160.00	68404	142
N500K160P50(9)_2	5.00	0.00	483.00	160.00	68251	143
N500K160P50(9)_3	4.50	0.00	488.00	160.00	67897	144
N500K160P50(9)_4	3.50	0.00	486.00	160.00	67877	145
N500K160P50(9)_5	6.50	0.00	484.00	160.00	68048	142
N500K160P50(9)_6	4.50	0.00	480.00	160.00	68121	144
N500K160P50(9)_7	4.50	0.00	481.00	160.00	67926	142
N500K160P50(9)_8	3.50	0.00	475.00	160.00	67945	143
N500K160P50(9)_9	3.00	0.00	476.00	160.00	62450	141
N500K160P50(9)_10	3.50	0.00	494.00	160.00	68256	143
N500K160P50(10)_1	6.50	0.00	476.00	160.00	65810	137

T / "D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K160P50(10)_2	6.00	0.00	466.00	160.00	65748	135
N500K160P50(10)_3	7.00	0.00	456.00	160.00	65140	132
N500K160P50(10)_4	6.50	0.00	477.00	160.00	57064	132
N500K160P50(10)_5	4.00	0.00	479.00	160.00	65837	133
N500K160P50(10)_6	9.00	0.00	484.00	160.00	55823	133
N500K160P50(10)_7	3.50	0.00	495.00	160.00	66277	134
N500K160P50(10)_8	5.00	0.00	482.00	160.00	65791	134
N500K160P50(10)_9	5.00	0.00	481.00	160.00	65745	132
N500K160P50(10)_10	9.00	0.00	480.00	160.00	65261	135
N500K160P60(1)_1	1.20	0.00	489.00	160.00	69185	142
N500K160P60(1)_2	3.60	0.00	474.00	160.00	68988	140
N500K160P60(1)_3	5.40	0.00	475.00	160.00	68253	141
N500K160P60(1)_4	7.20	0.00	494.00	160.00	62178	140
N500K160P60(1)_5	4.80	0.00	485.00	160.00	68260	145
N500K160P60(1)_6	1.20	0.00	495.00	160.00	68301	141
N500K160P60(1) ₋ 7	6.00	0.00	485.00	160.00	68948	141
N500K160P60(1)_8	5.40	0.00	486.00	160.00	68627	140
N500K160P60(1)_9	3.00	0.00	479.00	160.00	68374	139
N500K160P60(1)_10	4.20	0.00	479.00	160.00	67917	143
N500K160P60(2)_1	6.60	0.00	449.00	160.00	66994	137
N500K160P60(2)_2	4.80	0.00	480.00	160.00	58479	142
N500K160P60(2)_3	7.20	0.00	485.00	160.00	67938	139
N500K160P60(2)_4	5.40	0.00	467.00	160.00	67717	139
N500K160P60(2)_5	6.00	0.00	478.00	160.00	67735	138
N500K160P60(2)_6	6.60	0.00	478.00	160.00	67294	138
N500K160P60(2)_7	7.80	0.00	468.00	160.00	67070	140
N500K160P60(2)_8	3.60	0.00	484.00	160.00	68451	141
N500K160P60(2)_9 N500K160P60(2)_10	7.80	0.00	467.00	160.00 160.00	65100 67867	141 141
N500K160P60(2)_10	6.60	0.00	474.00	160.00	67868	141
N500K160P60(3)_1 N500K160P60(3)_2	8.40	0.00	473.00	160.00	67774	141
N500K160P60(3)_3	4.80	0.00	485.00	160.00	68200	141
N500K160P60(3)_4	6.00	0.00	490.00	160.00	68053	143
N500K160P60(3)_5	3.60	0.00	480.00	160.00	68211	142
N500K160P60(3)_6	6.60	0.00	489.00	160.00	68036	141
N500K160P60(3)_7	4.20	0.00	473.00	160.00	67999	140
N500K160P60(3)_8	7.20	0.00	468.00	160.00	67485	140
N500K160P60(3)_9	4.20	0.00	482.00	160.00	68405	142
N500K160P60(3)_10	4.80	0.00	475.00	160.00	69053	142
N500K160P60(4)_1	6.00	0.00	478.00	160.00	66830	142
N500K160P60(4)_2	4.20	0.00	480.00	160.00	68695	144
N500K160P60(4)_3	3.60	0.00	488.00	160.00	69030	141
N500K160P60(4)_4	6.60	0.00	488.00	160.00	55534	143
N500K160P60(4)_5	4.80	0.00	440.00	160.00	67785	141
N500K160P60(4)_6	7.20	0.00	465.00	160.00	67373	143
N500K160P60(4)_7	6.00	0.00	466.00	160.00	68897	141
N500K160P60(4)_8	4.80	0.00	472.00	160.00	68305	142
N500K160P60(4)_9	4.20	0.00	464.00	160.00	68074	144
N500K160P60(4)_10	4.20	0.00	487.00	160.00	68968	141
N500K160P60(5)_1	4.80	0.00	468.00	160.00	67621	140
N500K160P60(5)_2	5.40	0.00	476.00	160.00	67542	140
N500K160P60(5)_3	6.00	0.00	486.00	160.00	67594	139
N500K160P60(5)_4	4.80	0.00	484.00	160.00	67738	141
N500K160P60(5)_5	4.20	0.00	491.00	160.00	68101	139
N500K160P60(5)_6	5.40	0.00	477.00	160.00	67905	140
N500K160P60(5)_7	3.00	0.00	470.00	160.00	67317	140
N500K160P60(5)_8	6.00	0.00	486.00	160.00	68372	141

NS00K160P60(5).9		Total lo	ss value	Number	of active MDs	Time	(ms)
N500K160P60(5).10	Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K160P60(6).1	N500K160P60(5)_9	6.00	0.00	459.00	160.00	67000	144
N500K160P60(6).2 2.40 0.00 489.00 160.00 68034 14 14 14 15 15 15 15 1	N500K160P60(5)_10	5.40	0.00	481.00	160.00	67527	139
N500K160P60(6).3 5.40 0.00 483.00 160.00 67989 14 N500K160P60(6).4 6.00 0.00 463.00 160.00 67006 14 N500K160P60(6).5 7.80 0.00 478.00 160.00 67638 14 N500K160P60(6).6 5.40 0.00 497.00 160.00 68482 14 N500K160P60(6).7 3.00 0.00 497.00 160.00 68729 14 N500K160P60(6).8 4.20 0.00 491.00 160.00 68268 14 N500K160P60(6).9 5.40 0.00 491.00 160.00 68268 14 N500K160P60(6).10 3.60 0.00 481.00 160.00 68459 14 N500K160P60(6).10 3.60 0.00 481.00 160.00 68459 14 N500K160P60(7).1 7.20 0.00 486.00 160.00 64458 12 N500K160P60(7).2 6.60 0.00 489.00 160.00 64357 13 N500K160P60(7).4 5.40 0.00 489.00 160.00 63913 13 N500K160P60(7).5 4.20 0.00 483.00 160.00 63913 13 N500K160P60(7).5 4.20 0.00 487.00 160.00 63913 13 N500K160P60(7).5 4.20 0.00 467.00 160.00 63013 12 N500K160P60(7).6 12.00 0.00 477.00 160.00 63963 13 N500K160P60(7).7 6.00 0.00 477.00 160.00 63963 13 N500K160P60(7).8 7.80 0.00 477.00 160.00 63986 13 N500K160P60(7).1 10.80 0.00 477.00 160.00 63304 12 N500K160P60(7).1 10.80 0.00 478.00 160.00 63304 12 N500K160P60(8).2 7.80 0.00 478.00 160.00 65529 13 N500K160P60(8).2 7.80 0.00 478.00 160.00 66552 13 N500K160P60(8).4 9.00 0.00 478.00 160.00 66552 13 N500K160P60(8).5 8.40 0.00 478.00 160.00 66552 13 N500K160P60(8).6 7.20 0.00 478.00 160.00 66552 13 N500K160P60(8).6 7.20 0.00 485.00 160.00 66552 13 N500K160P60(8).7 7.80 0.00 485.00 160.00 66557 13 N500K160P60(9).1 7.80 0.00 486.00 160.00 66557 14 N500K160P60(9).2 3.00 0.00 486.00 160.00 66552 13 N500K160P60(9).4 7.20 0.00 486.00 160.00 66555 14 N500K160P60(9).5 6.60 0.00 486.00 160.00 67863	N500K160P60(6)_1	4.20	0.00	472.00	160.00	67856	140
N500K160P60(6).4	N500K160P60(6)_2	2.40	0.00	489.00	160.00	68034	142
N500K160P60(6).5	N500K160P60(6)_3	5.40	0.00	483.00	160.00	67989	140
N500K160P60(6).6 5.40 0.00 497.00 160.00 68482 14 N500K160P60(6).7 3.00 0.00 451.00 160.00 67729 14 N500K160P60(6).8 4.20 0.00 491.00 160.00 68268 14 N500K160P60(6).10 3.60 0.00 487.00 160.00 68485 14 N500K160P60(6).10 3.60 0.00 487.00 160.00 68459 14 N500K160P60(7).1 7.20 0.00 486.00 160.00 64458 12 N500K160P60(7).2 6.60 0.00 489.00 160.00 64357 13 N500K160P60(7).2 6.60 0.00 487.00 160.00 63357 13 N500K160P60(7).4 5.40 0.00 487.00 160.00 63718 13 N500K160P60(7).4 5.40 0.00 483.00 160.00 63718 13 N500K160P60(7).4 5.40 0.00 483.00 160.00 63718 13 N500K160P60(7).5 4.20 0.00 483.00 160.00 63013 12 N500K160P60(7).6 12.00 0.00 467.00 160.00 63013 12 N500K160P60(7).7 6.00 0.00 480.00 160.00 63013 12 N500K160P60(7).7 6.00 0.00 477.00 160.00 63368 13 N500K160P60(7).9 6.00 0.00 477.00 160.00 63368 13 N500K160P60(7).10 10.80 0.00 473.00 160.00 63368 13 N500K160P60(8).1 6.60 0.00 473.00 160.00 63304 12 N500K160P60(8).1 6.60 0.00 473.00 160.00 6529 13 N500K160P60(8).3 4.20 0.00 478.00 160.00 65529 13 N500K160P60(8).4 9.00 0.00 482.00 160.00 65529 13 N500K160P60(8).5 8.40 0.00 475.00 160.00 66551 13 N500K160P60(8).5 8.40 0.00 481.00 160.00 66551 13 N500K160P60(8).5 8.40 0.00 482.00 160.00 66551 13 N500K160P60(8).5 8.40 0.00 482.00 160.00 66551 13 N500K160P60(8).5 8.40 0.00 485.00 160.00 66551 13 N500K160P60(8).5 8.40 0.00 485.00 160.00 66551 13 N500K160P60(8).5 8.40 0.00 485.00 160.00 66551 13 N500K160P60(9).5 6.60 0.00 485.00 160.00 66551 13 N500K160P60(9).5 6.60 0.00 485.00 160.00 66551 13 N500K160P60(9).5 6.60 0.00 485.00 160.00 66565 14 N500K160P60(9).5 6.60 0.00 485.00 160.00 66565	N500K160P60(6)_4	6.00	0.00	463.00	160.00	67006	141
N500K160P60(6).7 3.00 0.00 451.00 160.00 67729 14 N500K160P60(6).8 4.20 0.00 491.00 160.00 68268 14 N500K160P60(6).10 3.60 0.00 487.00 160.00 67464 14 N500K160P60(7).1 7.20 0.00 487.00 160.00 68459 14 N500K160P60(7).1 7.20 0.00 488.00 160.00 64458 12 N500K160P60(7).2 6.60 0.00 489.00 160.00 64357 13 N500K160P60(7).3 9.60 0.00 477.00 160.00 63718 13 N500K160P60(7).4 5.40 0.00 488.00 160.00 63913 13 N500K160P60(7).5 4.20 0.00 483.00 160.00 63913 13 N500K160P60(7).6 12.00 0.00 483.00 160.00 63013 12 N500K160P60(7).7 6.00 0.00 477.00 160.00 63013 12 N500K160P60(7).8 7.80 0.00 477.00 160.00 63986 13 N500K160P60(7).9 6.00 0.00 497.00 160.00 63986 13 N500K160P60(7).10 10.80 0.00 450.00 160.00 63304 13 N500K160P60(8).1 6.60 0.00 473.00 160.00 63304 13 N500K160P60(8).2 7.80 0.00 478.00 160.00 66529 13 N500K160P60(8).3 4.20 0.00 478.00 160.00 665529 13 N500K160P60(8).4 9.00 0.00 481.00 160.00 66552 13 N500K160P60(8).5 8.40 0.00 482.00 160.00 66552 13 N500K160P60(8).6 7.20 0.00 475.00 160.00 66552 13 N500K160P60(8).7 7.80 0.00 482.00 160.00 66552 13 N500K160P60(8).8 4.80 0.00 484.00 160.00 66541 13 N500K160P60(8).9 4.20 0.00 493.00 160.00 66541 13 N500K160P60(9).1 7.80 0.00 485.00 160.00 66857 13 N500K160P60(9).2 3.00 0.00 496.00 160.00 66854 14 N500K160P60(9).2 3.00 0.00 485.00 160.00 66854 14 N500K160P60(9).3 4.80 0.00 485.00 160.00 66854 14 N500K160P60(9).4 7.20 0.00 490.00 160.00 66854 14 N500K160P60(9).5 4.80 0.00 485.00 160.00 66854 14 N500K160P60(9).6 6.00 0.00 486.00 160.00 67369 14 N500K160P60(9).7 4.80 0.00 470.00 160.00 67856	N500K160P60(6)_5	7.80	0.00	478.00	160.00	67638	142
N500K160P60(6).8							141
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N500K160P60(9)_9 4.80 0.00 479.00 160.00 68157 14 N500K160P60(9)_10 7.20 0.00 490.00 160.00 67833 14 N500K160P60(10)_1 7.80 0.00 477.00 160.00 65655 13 N500K160P60(10)_2 7.80 0.00 474.00 160.00 66360 13 N500K160P60(10)_3 6.00 0.00 484.00 160.00 66040 13							144
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N500K160P60(10)_2 7.80 0.00 474.00 160.00 66360 13 N500K160P60(10)_3 6.00 0.00 484.00 160.00 66040 13	3.7						132
N500K160P60(10)_3 6.00 0.00 484.00 160.00 66040 13	. ,						132
							134
NSUUK160P60(10)_4 6.60 0.00 475.00 160.00 65071 13	N500K160P60(10)_4	6.60	0.00	475.00	160.00	65071	132
							133
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	N500K160P60(10)_7	9.60		470.00	160.00		134
N500K160P60(10)_8 9.00 0.00 480.00 160.00 65984 13	N500K160P60(10)_8	9.00	0.00	480.00	160.00	65984	135
N500K160P60(10)_9 4.20 0.00 470.00 160.00 66282 13	N500K160P60(10)_9	4.20	0.00	470.00	160.00	66282	134
N500K160P60(10)_10 3.00 0.00 467.00 160.00 65529 13	N500K160P60(10)_10	3.00	0.00	467.00	160.00	65529	134
N500K160P70(1)_1 5.60 0.00 483.00 160.00 69280 14	N500K160P70(1)_1	5.60	0.00	483.00	160.00	69280	140
` '	* /		0.00	489.00	160.00	68271	142
			0.00				142
		6.30	0.00				141
N500K160P70(1)_5 7.70 0.00 478.00 160.00 67389 14	N500K160P70(1)_5	7.70	0.00	478.00	160.00	67389	141

T	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K160P70(1)_6	2.80	0.00	473.00	160.00	68935	141
N500K160P70(1)_7	3.50	0.00	481.00	160.00	67618	140
N500K160P70(1)_8	6.30	0.00	489.00	160.00	67546	139
N500K160P70(1)_9	2.10	0.00	481.00	160.00	68505	140
N500K160P70(1)_10	4.20	0.00	476.00	160.00	68754	140
N500K160P70(2)_1	4.20	0.00	464.00	160.00	67583	141
N500K160P70(2)_2	7.00	0.00	469.00	160.00	63262	141
N500K160P70(2)_3	4.90	0.00	471.00	160.00	67391	141
N500K160P70(2)_4	5.60	0.00	476.00 496.00	160.00	67802	141
N500K160P70(2)_5 N500K160P70(2)_6	5.60	0.00	490.00	160.00 160.00	68116 67526	141 137
N500K160P70(2)_7	5.60	0.00	456.00	160.00	67824	138
N500K160P70(2)_8	4.20	0.00	473.00	160.00	68211	141
N500K160P70(2)_9	7.70	0.00	475.00	160.00	67479	139
N500K160P70(2)_10	2.80	0.00	483.00	160.00	67769	139
N500K160P70(3)_1	7.70	0.00	470.00	160.00	68140	142
N500K160P70(3)_2	3.50	0.00	478.00	160.00	68026	140
N500K160P70(3)_3	8.40	0.00	483.00	160.00	68559	141
N500K160P70(3)_4	4.90	0.00	488.00	160.00	66574	142
N500K160P70(3)_5	5.60	0.00	474.00	160.00	68757	140
N500K160P70(3)_6	6.30	0.00	453.00	160.00	68421	143
N500K160P70(3)_7	7.70	0.00	481.00	160.00	68204	139
N500K160P70(3)_8	6.30	0.00	487.00	160.00	68366	144
N500K160P70(3)_9	3.50	0.00	493.00	160.00	68817	140
N500K160P70(3)_10	6.30	0.00	485.00	160.00	68232	143
N500K160P70(4)_1	5.60	0.00	487.00	160.00	68724	143
N500K160P70(4)_2 N500K160P70(4)_3	6.30 7.70	0.00	491.00 456.00	160.00 160.00	66575 68842	143
N500K160P70(4)_4	4.90	0.00	476.00	160.00	68415	143
N500K160P70(4)_5	5.60	0.00	496.00	160.00	69115	144
N500K160P70(4)_6	4.90	0.00	464.00	160.00	68366	144
N500K160P70(4)_7	5.60	0.00	468.00	160.00	68394	142
N500K160P70(4)_8	4.90	0.00	464.00	160.00	68174	142
N500K160P70(4)_9	4.20	0.00	491.00	160.00	68637	144
N500K160P70(4)_10	5.60	0.00	490.00	160.00	68922	142
N500K160P70(5)_1	7.00	0.00	491.00	160.00	67425	138
N500K160P70(5)_2	5.60	0.00	486.00	160.00	68159	142
N500K160P70(5)_3	5.60	0.00	465.00	160.00	67649	139
N500K160P70(5)_4	5.60	0.00	478.00	160.00	67702	142
N500K160P70(5)_5	4.90	0.00	472.00	160.00	67202	140
N500K160P70(5)_6	6.30	0.00	482.00	160.00	67967	141
N500K160P70(5)_7 N500K160P70(5)_8	4.20	0.00	479.00	160.00	67814	140
N500K160P70(5)_8 N500K160P70(5)_9	4.20	0.00	495.00 479.00	160.00 160.00	65723 67052	141 142
N500K160P70(5)_9 N500K160P70(5)_10	4.90	0.00	481.00	160.00	67881	142
N500K160P70(6)_1	4.90	0.00	494.00	160.00	68015	141
N500K160P70(6)_2	5.60	0.00	455.00	160.00	67525	144
N500K160P70(6)_3	9.10	0.00	465.00	160.00	67498	140
N500K160P70(6)_4	7.00	0.00	484.00	160.00	68847	140
N500K160P70(6)_5	4.20	0.00	491.00	160.00	68573	138
N500K160P70(6)_6	4.90	0.00	474.00	160.00	68398	140
N500K160P70(6)_7	4.20	0.00	490.00	160.00	68204	141
N500K160P70(6)_8	5.60	0.00	499.00	160.00	68056	141
N500K160P70(6)_9	9.80	0.00	493.00	160.00	67875	143
N500K160P70(6)_10	5.60	0.00	477.00	160.00	67864	141
N500K160P70(7)_1	5.60	0.00	482.00	160.00	64556	129
N500K160P70(7)_2	6.30	0.00	484.00	160.00	63847	126

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K160P70(7)_3	7.00	0.00	475.00	160.00	63440	130
N500K160P70(7)_4	7.00	0.00	479.00	160.00	59032	132
N500K160P70(7)_5	7.00	0.00	495.00	160.00	63849	130
N500K160P70(7)_6	8.40	0.00	486.00	160.00	64464	129
N500K160P70(7)_7	8.40	0.00	482.00	160.00	64214	132
N500K160P70(7)_8	9.80	0.00	479.00	160.00	63718	131
N500K160P70(7)_9	7.70	0.00	484.00	160.00	64235	133
N500K160P70(7)_10	10.50	0.00	475.00	160.00	63687	130
N500K160P70(8)_1	5.60	0.00	479.00	160.00	66419	133
N500K160P70(8)_2	7.70	0.00	489.00	160.00	66008	134
N500K160P70(8)_3	7.00	0.00	455.00	160.00	65836	133
N500K160P70(8)_4	7.00	0.00	491.00	160.00	65748	135
N500K160P70(8)_5	7.70	0.00	485.00	160.00	66759	134
N500K160P70(8)_6	8.40	0.00	465.00	160.00	65836	135
N500K160P70(8)_7	7.00	0.00	496.00	160.00	66412	134
N500K160P70(8)_8	9.80	0.00	466.00	160.00	65353	133
N500K160P70(8)_9	7.00	0.00	484.00	160.00	65971	133
N500K160P70(8)_10	7.70	0.00	469.00	160.00	66644	136
N500K160P70(9)_1	4.90	0.00	478.00	160.00	68400	142
N500K160P70(9)_2	4.90	0.00	468.00	160.00	67988	141
N500K160P70(9)_3	5.60	0.00	488.00	160.00	68061	143
N500K160P70(9)_4	5.60	0.00	474.00	160.00	67835	143
N500K160P70(9)_5	4.90	0.00	484.00	160.00	68148	142
N500K160P70(9)_6	7.00	0.00	449.00	160.00	67903	147
N500K160P70(9)_7	8.40	0.00	478.00	160.00	60029	141
N500K160P70(9)_8	7.00	0.00	478.00	160.00	67916	142
N500K160P70(9)_9	7.00	0.00	460.00	160.00	66676	142
N500K160P70(9)_10	8.40	0.00	468.00	160.00	67614	142
N500K160P70(10)_1	6.30	0.00	485.00	160.00	65890	134
N500K160P70(10)_2	7.70	0.00	455.00	160.00	66014	132
N500K160P70(10)_3	9.80	0.00	466.00	160.00	65676	133
N500K160P70(10)_4	4.20	0.00	471.00	160.00	65768	134
N500K160P70(10)_5	7.00	0.00	482.00	160.00	65493	134
N500K160P70(10)_6	11.90	0.00	495.00	160.00	60181	132
N500K160P70(10)_7	7.00	0.00	466.00	160.00	65174	135
N500K160P70(10)_8	7.70	0.00	476.00	160.00	65510	135
N500K160P70(10)_9	7.00	0.00	479.00	160.00	65694	132
N500K160P70(10)_10	8.40	0.00	466.00	160.00	65721	134
N500K160P80(1)_1	7.30	0.08	497.00	490.00	69871	48877
N500K160P80(1)_2	5.72	0.07	500.00	489.00	69603	32354
N500K160P80(1)_3	10.37	$\frac{0.05}{0.03}$	477.00	479.00 493.00	69383 69499	61496
N500K160P80(1)_4	7.41		477.00			36213
N500K160P80(1)_5	7.38	0.06	491.00	475.00	69833	70212
N500K160P80(1)_6 N500K160P80(1)_7	4.01 5.24	0.07	495.00 493.00	386.00 477.00	70370	30200
		0.07			69153	30290
N500K160P80(1)_8	6.49	0.05	480.00	421.00	69361	58297
N500K160P80(1)_9 N500K160P80(1)_10	5.77 4.70	0.06 0.03	483.00 498.00	413.00	70213	52963 64543
N500K160P80(1)_10 N500K160P80(2)_1	9.53		498.00	411.00	70043 69125	41299
N500K160P80(2)_1 N500K160P80(2)_2	7.26	0.11	494.00	413.00	69317	65988
N500K160P80(2)_2 N500K160P80(2)_3	8.83	0.07	486.00	446.00	68730	29017
N500K160P80(2)_3 N500K160P80(2)_4	4.25	0.07	486.00	446.00	69880	29017
N500K160P80(2)_4 N500K160P80(2)_5	8.13	0.07	496.00			50514
N500K160P80(2)_6	11.00	0.09	483.00	465.00 419.00	69170 69508	33411
N500K160P80(2)_0 N500K160P80(2)_7	8.67	0.06	490.00	419.00	68984	69056
	5.63		490.00			43422
N500K160P80(2)_8 N500K160P80(2)_9	8.12	0.06 0.05	487.00	486.00 412.00	69476 68768	37168
113001100100(2)_9	0.12	0.00	491.00	412.00	00100	91109

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K160P80(2)_10	7.21	0.84	499.00	366.00	69350	61591
N500K160P80(3)_1	6.16	1.63	497.00	399.00	70254	68504
N500K160P80(3)_2	6.38	4.79	496.00	395.00	69558	68405
N500K160P80(3)_3	10.12	5.41	480.00	438.00	69531	69608
N500K160P80(3)_4	8.62	2.46	496.00	447.00	69638	69176
N500K160P80(3)_5	8.64	4.88	487.00	356.00	69928	68488
N500K160P80(3)_6	11.76	1.57	498.00	431.00	69209	69488
N500K160P80(3)_7	7.27	3.09	493.00	414.00	69440	69356
N500K160P80(3)_8	8.05	6.28	494.00	365.00	70026	68856
N500K160P80(3)_9	6.98	0.95	497.00	447.00	69783	68906
N500K160P80(3)_10	8.78	4.79	495.00	323.00	69833	67905
N500K160P80(4)_1	8.72	0.02	483.00	195.00	70067	13517
N500K160P80(4)_2	7.11	0.01	486.00	233.00	70340	24709
N500K160P80(4)_3	7.94	0.02	493.00	195.00	70145	13472
N500K160P80(4)_4	6.43	0.02	487.00	195.00	70071	13486
N500K160P80(4)_5	7.19	0.02	500.00	195.00	70276	13471
N500K160P80(4)_6	5.68	0.01	498.00	294.00	70261	19521
N500K160P80(4)_7	4.82	0.02	492.00	195.00	70150	13556
N500K160P80(4)_8	7.13	0.02	489.00	195.00	70493	13451
N500K160P80(4)_9	7.10	0.02	497.00	195.00	69962	13471
N500K160P80(4)_10	10.18	0.02	497.00	195.00	70575	13463
N500K160P80(5)_1	6.50	0.00	493.00	194.00	69833	140
N500K160P80(5)_2	5.06	0.00	494.00	194.00	69247	146
N500K160P80(5)_3	8.75	0.00	474.00	194.00	68923	141
N500K160P80(5)_4	8.53	0.00	497.00	194.00	68939	142
N500K160P80(5)_5	10.34	0.00	496.00	194.00	68915	141
N500K160P80(5)_6	6.58	0.00	496.00	194.00	68979	140
N500K160P80(5)_7	5.49	0.00	499.00	194.00	69514	140
N500K160P80(5)_8	4.80	0.00	499.00	194.00	69424	139 141
N500K160P80(5)_9 N500K160P80(5)_10	6.33 5.81	0.00	500.00 496.00	194.00 194.00	69722 68230	141
N500K160P80(5)_10	4.83	0.00	490.00	409.00	69875	31132
N500K160P80(6)_1 N500K160P80(6)_2	4.96	0.19	493.00	401.00	69487	49467
N500K160P80(6)_3	8.99	0.14	470.00	455.00	68674	37886
N500K160P80(6)_4	9.66	0.30	482.00	376.00	68918	65423
N500K160P80(6)_5	8.13	0.13	494.00	479.00	68985	68963
N500K160P80(6)_6	4.95	0.15	494.00	422.00	69402	68907
N500K160P80(6)_7	5.71	0.18	495.00	402.00	69314	46380
N500K160P80(6)_8	7.22	0.19	488.00	437.00	69472	69030
N500K160P80(6)_9	6.36	0.15	491.00	415.00	69116	58319
N500K160P80(6)_10	8.12	0.10	494.00	408.00	69019	68678
N500K160P80(7)_1	7.22	0.25	497.00	441.00	66598	66547
N500K160P80(7)_2	9.52	0.23	497.00	450.00	65706	67028
N500K160P80(7)_3	12.42	0.25	486.00	449.00	65617	66615
N500K160P80(7)_4	10.39	1.77	485.00	425.00	65877	67144
N500K160P80(7)_5	10.47	0.26	498.00	473.00	65550	67098
N500K160P80(7)_6	10.48	0.23	487.00	413.00	65048	66489
N500K160P80(7)_7	8.75	1.08	493.00	459.00	66103	45096
N500K160P80(7)_8	11.55	0.99	497.00	448.00	64747	59751
N500K160P80(7)_9	8.95	0.21	499.00	479.00	65937	66981
N500K160P80(7)_10	10.30	1.05	489.00	421.00	65994	66318
N500K160P80(8)_1	10.20	0.08	497.00	287.00	68256	22079
N500K160P80(8)_2	5.15	0.07	494.00	461.00	67377	21489
N500K160P80(8)_3	9.46	0.03	481.00	287.00	68370	37899
N500K160P80(8)_4	4.83	0.06	493.00	341.00	68384	21995
N500K160P80(8)_5	10.49	0.04	485.00	340.00	67142	28033
N500K160P80(8)_6	7.36	0.05	492.00	326.00	67487	39220

I	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K160P80(8)_7	7.29	0.08	486.00	341.00	67173	36622
N500K160P80(8)_8	9.71	0.05	494.00	358.00	67447	22541
N500K160P80(8)_9	9.69	0.06	494.00	359.00	67649	21440
N500K160P80(8)_10	10.32	0.04	480.00	295.00	67260	32016
N500K160P80(9)_1	9.53	1.06	496.00	455.00	69572	65055
N500K160P80(9)_2	9.30	1.08	496.00	486.00	69950	67783
N500K160P80(9)_3	7.14	1.05	497.00	467.00	69687	67662
N500K160P80(9)_4	8.89	1.18	492.00	453.00	69233	67425
N500K160P80(9)_5	7.99	0.40	495.00	404.00	69194	67346
N500K160P80(9)_6	8.59	0.23	480.00	484.00	69386	68668
N500K160P80(9)_7	6.53	0.26	495.00	490.00	69505	69369
N500K160P80(9)_8	8.14	0.42	498.00	431.00	69535	68063
N500K160P80(9)_9	9.53	0.36	486.00	490.00	69187	67957
N500K160P80(9)_10	7.27	1.02	465.00	447.00	69109	67898
N500K160P80(10)_1	6.70	0.27	499.00	434.00	67597	67556
N500K160P80(10)_2	8.98	0.36	482.00	416.00	66853	67447
N500K160P80(10)_3	8.98	1.11	494.00	468.00	67245	50471
N500K160P80(10)_4	7.45	1.07	487.00	473.00	67551	67711
N500K160P80(10)_5	9.92	1.79	496.00	411.00	66678	67626
N500K160P80(10)_6	7.91	1.85	497.00	469.00	67283	68266
N500K160P80(10)_7	10.39	0.35	489.00	458.00	67017	67740
N500K160P80(10)_8	11.40	0.99	493.00	434.00	67220	67877
N500K160P80(10)_9	11.22	0.30	500.00	435.00	67039	67589
N500K160P80(10)_10	5.97	1.12	495.00	391.00	67578	67239
N500K200P50(1)_1	10.50	0.50	471.00	285.00	71075	17327
N500K200P50(1)_2	12.00	0.00	469.00	279.00	71075	15293
N500K200P50(1)_3	11.00	0.00	493.00	419.00	71782	4539
N500K200P50(1)_4	9.50 8.50	0.50	488.00	306.00	71368	16299
N500K200P50(1)_5 N500K200P50(1)_6		0.50 0.50	472.00	215.00 350.00	71517 72344	17036 16943
N500K200P50(1)_0 N500K200P50(1)_7	9.00	0.00	485.00	376.00	71822	11886
N500K200P50(1)_8	14.50	0.50	471.00	288.00	71349	17923
N500K200P50(1)_9	10.00	0.50	486.00	310.00	71549	17123
N500K200P50(1)_10	10.50	0.50	474.00	384.00	71374	17174
N500K200P50(2)_1	8.50	0.00	485.00	200.00	72143	149
N500K200P50(2)_2	7.50	0.00	481.00	200.00	71197	148
N500K200P50(2)_3	8.50	0.00	469.00	200.00	71156	151
N500K200P50(2)_4	9.50	0.00	481.00	200.00	71203	152
N500K200P50(2)_5	9.50	0.00	496.00	200.00	71374	149
N500K200P50(2)_6	11.50	0.00	486.00	200.00	72279	150
N500K200P50(2)_7	11.50	0.00	481.00	200.00	71698	149
N500K200P50(2)_8	9.00	0.00	476.00	200.00	71410	150
N500K200P50(2)_9	11.50	0.00	483.00	200.00	72008	150
N500K200P50(2)_10	12.00	0.00	482.00	200.00	71335	148
N500K200P50(3)_1	11.00	2.50	486.00	388.00	71402	65231
N500K200P50(3)_2	12.00	2.50	478.00	368.00	72137	58291
N500K200P50(3)_3	10.00	4.50	494.00	372.00	72449	47352
N500K200P50(3)_4	11.50	5.50	481.00	385.00	71685	26571
N500K200P50(3)_5	10.00	2.50	493.00	454.00	72293	48502
N500K200P50(3)_6	12.00	3.50	473.00	452.00	71721	30745
N500K200P50(3)_7	8.50	5.50	490.00	487.00	72463	32832
N500K200P50(3)_8	10.00	6.00	478.00	393.00	72165	25611
N500K200P50(3)_9	12.00	4.00	473.00	370.00	71365	59741
N500K200P50(3)_10	11.50	6.00	491.00	466.00	71182	28647
N500K200P50(4)_1	10.00	1.50	489.00	213.00	71485	16039
N500K200P50(4)_2	11.00	1.50	488.00	274.00	71612	16547
N500K200P50(4)_3	11.00	1.50	489.00	396.00	71359	15400

T 4 #D	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K200P50(4)_4	12.50	1.50	494.00	200.00	71641	15781
N500K200P50(4)_5	11.50	1.50	479.00	300.00	71606	16537
N500K200P50(4)_6	11.50	1.50	472.00	272.00	71111	15653
N500K200P50(4)_7	11.00	1.50	486.00	258.00	72089	16089
N500K200P50(4)_8	9.50	1.50	494.00	299.00	71877	16312
N500K200P50(4)_9	12.50	1.50	482.00	304.00	71687	16067
N500K200P50(4)_10	12.00	1.50	470.00	288.00	71436	16318
N500K200P50(5)_1	13.00	0.00	483.00	200.00	71545	150
N500K200P50(5)_2	11.00	0.00	486.00	200.00	72178	150
N500K200P50(5)_3	13.00	0.00	479.00	200.00	70992	149
N500K200P50(5)_4	8.50	0.00	478.00	200.00	71336	149
N500K200P50(5)_5	11.00	0.00	488.00	200.00	71079	149
N500K200P50(5)_6	9.00	0.00	476.00	200.00	70898	148
N500K200P50(5)_7	9.00	0.00	494.00	200.00	71259	148
N500K200P50(5)_8	7.00	0.00	491.00	200.00	71442	151
N500K200P50(5)_9	9.50	0.00	495.00	200.00	70854	151
N500K200P50(5)_10	9.50	0.00	490.00	200.00	71037	151
N500K200P50(6)_1	10.00	0.00	486.00	200.00	71499	150
N500K200P50(6)_2	9.00	0.00	485.00	200.00	72163	151
N500K200P50(6)_3	14.50	0.00	474.00	200.00	71257	150
N500K200P50(6)_4	9.50	0.00	477.00	200.00	72195	151
N500K200P50(6)_5	10.00	0.00	457.00	200.00	71597	151
N500K200P50(6)_6	8.50	0.00	483.00	200.00	71799	147
N500K200P50(6)_7	9.00	0.00	475.00	200.00	72056	150
N500K200P50(6)_8	11.00	0.00	495.00	200.00	71752	150
N500K200P50(6)_9	9.00	0.00	488.00	200.00	71911	149
N500K200P50(6)_10	11.50	0.00	495.00	200.00	71888	151
N500K200P50(7)_1	13.00	2.00	495.00	348.00	67032	19176
N500K200P50(7)_2 N500K200P50(7)_3	12.50	$\frac{2.00}{2.00}$	485.00 479.00	450.00 314.00	67562	21595
N500K200P50(7)_3 N500K200P50(7)_4	12.00	2.00	489.00	421.00	67060 67440	19158 17390
N500K200F50(7)_5	14.50	$\frac{2.00}{2.50}$	481.00	439.00	67342	17136
N500K200P50(7)_6	15.50	$\frac{2.30}{2.00}$	482.00	355.00	67048	15933
N500K200F50(7)_7	15.50	$\frac{2.00}{2.00}$	482.00	442.00	67443	17898
N500K200P50(7)_8	15.00	$\frac{2.50}{2.50}$	469.00	294.00	66997	15994
N500K200P50(7)_9	16.00	2.00	468.00	445.00	67272	19344
N500K200P50(7)_10	12.00	$\frac{2.50}{2.50}$	492.00	418.00	67964	18528
N500K200P50(8)_1	12.00	2.00	466.00	397.00	68499	17779
N500K200P50(8)_2	13.50	2.00	498.00	315.00	68731	17573
N500K200P50(8)_3	11.50	2.50	499.00	286.00	68781	16713
N500K200P50(8)_4	13.50	2.50	481.00	294.00	68380	26825
N500K200P50(8)_5	10.50	2.00	485.00	467.00	69305	17240
N500K200P50(8)_6	10.50	2.00	486.00	312.00	68940	17321
N500K200P50(8)_7	12.50	2.00	483.00	438.00	68865	18485
N500K200P50(8)_8	12.50	2.00	491.00	431.00	68982	23571
N500K200P50(8)_9	10.50	2.00	484.00	418.00	69330	17885
N500K200P50(8)_10	13.50	2.00	486.00	407.00	68699	17004
N500K200P50(9)_1	11.00	2.50	491.00	412.00	71841	43180
N500K200P50(9)_2	13.00	3.50	488.00	369.00	72041	26269
N500K200P50(9)_3	9.00	3.50	484.00	346.00	71559	24269
N500K200P50(9)_4	9.00	3.00	485.00	335.00	72235	27601
N500K200P50(9)_5	13.50	3.50	468.00	307.00	71868	38057
N500K200P50(9)_6	11.50	3.50	487.00	383.00	72130	26731
N500K200P50(9)_7	12.00	4.00	471.00	445.00	71197	28839
N500K200P50(9)_8	11.00	2.50	483.00	420.00	72139	35578
N500K200P50(9)_9	10.00	3.50	478.00	424.00	71860	34197
N500K200P50(9)_10	11.00	3.00	491.00	368.00	72845	33055

T	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K200P50(10)_1	12.00	3.50	482.00	359.00	68874	16629
N500K200P50(10)_2	14.00	3.00	471.00	342.00	68685	31265
N500K200P50(10)_3	15.00	3.50	490.00	398.00	68806	16755
N500K200P50(10)_4	11.50	3.50	495.00	307.00	68753	18959
N500K200P50(10)_5	14.50	3.50	490.00	354.00	68380	17715
N500K200P50(10)_6	14.00	3.50	497.00	394.00	68921	17556
N500K200P50(10)_7	16.50	3.00	487.00	345.00	68524	20039
N500K200P50(10)_8	12.00	4.00	486.00	357.00	68911	16538
N500K200P50(10)_9	15.00	3.50	492.00	360.00	68899	24331
N500K200P50(10)_10	17.50	3.00	490.00	370.00	68573	17548
N500K200P60(1)_1	8.40	0.00	496.00	283.00	72445	13984
N500K200P60(1)_2	10.80	0.60	462.00	253.00	71599	17482
N500K200P60(1)_3	11.40	0.60	473.00	366.00	71644	17434
N500K200P60(1)_4	15.00	0.00	485.00	288.00	71165	11402
N500K200P60(1)_5	9.60	0.00	481.00	400.00	71797	3950
N500K200P60(1)_6	16.20	0.60	487.00	287.00	71416	16368
N500K200P60(1)_7	10.20	0.60	491.00	316.00	71178	17558
N500K200P60(1)_8	15.60	0.00	486.00	356.00	71215	4302
N500K200P60(1)_9	14.40	0.60	498.00	296.00	71381	18437
N500K200P60(1)_10	12.60	0.60	492.00	333.00	71784	16963
N500K200P60(2)_1	10.80	0.00	490.00	200.00	71478	149
N500K200P60(2)_2	14.40	0.00	473.00	200.00	71450	151
N500K200P60(2)_3	12.60	0.00	490.00	200.00	71514	149
N500K200P60(2)_4	8.40	0.00	495.00	200.00	71816	146
N500K200P60(2)_5	13.80	0.00	472.00	200.00	70891	149
N500K200P60(2)_6	14.40	0.00	468.00	200.00	70871	148
N500K200P60(2)_7	13.20	0.00	474.00	200.00	70942	151
N500K200P60(2)_8	9.00	0.00	480.00	200.00	71660	150
N500K200P60(2)_9	12.00	0.00	488.00	200.00	71483	148
N500K200P60(2)_10	15.00	0.00	487.00	200.00	70920	148
N500K200P60(3)_1 N500K200P60(3)_2	12.60 15.00	6.60 3.00	493.00 479.00	407.00	72125 72045	38615 70793
N500K200P60(3)_2 N500K200P60(3)_3	14.40	6.60	461.00	325.00	71766	26802
N500K200P60(3)_3 N500K200P60(3)_4	11.40	4.20	490.00	473.00	72008	58521
N500K200P60(3)_5	13.80	4.20	489.00	349.00	72003	37310
N500K200P60(3)_6	17.40	$\frac{4.20}{4.20}$	494.00	363.00	71771	51441
N500K200P60(3)_7	15.60	$\frac{4.20}{3.60}$	478.00	379.00	71427	33018
N500K200P60(3)_8	15.60	$\frac{3.00}{4.20}$	457.00	405.00	72098	30176
N500K200P60(3)_9	12.00	7.20	473.00	281.00	72694	37810
N500K200P60(3)_10	16.80	5.40	477.00	346.00	71507	48124
N500K200P60(4)_1	13.20	1.80	497.00	260.00	71772	16067
N500K200P60(4)_2	13.80	1.80	481.00	274.00	71802	15973
N500K200P60(4)_3	12.60	1.80	478.00	289.00	72340	15032
N500K200P60(4)_4	13.20	1.80	469.00	255.00	71448	16290
N500K200P60(4)_5	12.00	1.20	495.00	256.00	72423	25694
N500K200P60(4)_6	13.20	1.80	490.00	286.00	72058	16636
N500K200P60(4)_7	12.00	1.80	487.00	314.00	71683	16450
N500K200P60(4)_8	12.60	1.80	483.00	336.00	71176	15644
N500K200P60(4)_9	13.80	1.80	493.00	270.00	71864	16768
N500K200P60(4)_10	9.60	1.80	476.00	291.00	72071	16190
N500K200P60(5)_1	13.20	0.00	483.00	200.00	71217	150
N500K200P60(5)_2	12.60	0.00	463.00	200.00	71134	146
N500K200P60(5)_3	18.00	0.00	486.00	200.00	71322	151
N500K200P60(5)_4	13.20	0.00	482.00	200.00	70781	150
N500K200P60(5)_5	10.80	0.00	486.00	200.00	70710	146
N500K200P60(5)_6	12.00	0.00	487.00	200.00	71317	148
N500K200P60(5)_7	13.80	0.00	481.00	200.00	70530	149

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K200P60(5)_8	10.80	0.00	492.00	200.00	70548	147
N500K200P60(5)_9	13.80	0.00	494.00	200.00	71390	146
N500K200P60(5)_10	10.20	0.00	485.00	200.00	71097	147
N500K200P60(6)_1	12.60	0.00	482.00	200.00	71665	152
N500K200P60(6)_2	12.60	0.00	491.00	200.00	72334	149
N500K200P60(6)_3	11.40	0.00	487.00	200.00	71499	150
N500K200P60(6)_4	10.80	0.00	494.00	200.00	71496	148
N500K200P60(6)_5	10.20	0.00	481.00	200.00	71999	151
N500K200P60(6)_6	9.60	0.00	483.00	200.00	72079	151
N500K200P60(6)_7	13.80	0.00	473.00	200.00	71413	151
N500K200P60(6)_8	13.20	0.00	492.00	200.00	71573	152
N500K200P60(6)_9	12.60	0.00	490.00	200.00	72334	150
N500K200P60(6)_10	7.80	0.00	495.00	200.00	72592	150
N500K200P60(7)_1	15.60	2.40	487.00	454.00	67657	17290
N500K200P60(7)_2	16.20	3.00	474.00	419.00	66929	18038
N500K200P60(7)_3	15.60	3.00	482.00	379.00	67682	16301
N500K200P60(7)_4	18.60	2.40	475.00	445.00	67102	17102
N500K200P60(7)_5	14.40	2.40	486.00	416.00	67859	18034
N500K200P60(7)_6	15.60	2.40	475.00	434.00	67080	16602
N500K200P60(7)_7	15.60	3.00	472.00	288.00	67279	16462
N500K200P60(7)_8	16.20	3.00	477.00	357.00	67722	17414
N500K200P60(7)_9	14.40	3.00	487.00	421.00	67380	17496
N500K200P60(7)_10	20.40	3.00	482.00	301.00	66977	17094
N500K200P60(8)_1	13.20	3.00	475.00	331.00	69061	16402
N500K200P60(8)_2	13.80	2.40	485.00	423.00	68995	19505
N500K200P60(8)_3	15.00	3.00	495.00	340.00	68784	16040
N500K200P60(8)_4 N500K200P60(8)_5	18.00 15.00	2.40	496.00 481.00	439.00 391.00	68470 69130	20073 18515
N500K200P60(8)_6	15.60	$\frac{2.40}{2.40}$	475.00	328.00	68879	19115
N500K200P60(8)_7	15.00	$\frac{2.40}{2.40}$	480.00	333.00	69258	16565
N500K200P60(8)_8	18.00	$\frac{2.40}{2.40}$	486.00	316.00	68804	18831
N500K200P60(8)_9	17.40	$\frac{2.40}{2.40}$	484.00	358.00	68692	17646
N500K200P60(8)_10	16.80	$\frac{2.10}{2.40}$	484.00	279.00	68655	25399
N500K200P60(9)_1	10.80	4.80	489.00	451.00	72579	35187
N500K200P60(9)_2	12.00	4.20	478.00	374.00	72134	35321
N500K200P60(9)_3	10.80	6.00	489.00	344.00	72133	25748
N500K200P60(9)_4	12.00	3.60	484.00	433.00	71394	45461
N500K200P60(9)_5	11.40	4.20	490.00	331.00	71524	31496
N500K200P60(9)_6	12.60	4.20	470.00	391.00	71519	30006
N500K200P60(9)_7	13.20	4.80	476.00	262.00	71503	36172
N500K200P60(9)_8	14.40	3.60	477.00	355.00	71807	38597
N500K200P60(9)_9	9.60	5.40	479.00	301.00	72061	24594
N500K200P60(9)_10	13.80	3.60	480.00	408.00	71952	29137
N500K200P60(10)_1	14.40	4.20	474.00	296.00	68906	18186
N500K200P60(10)_2	10.80	4.20	493.00	394.00	69135	17765
N500K200P60(10)_3	12.60	4.20	488.00	357.00	69231	16866
N500K200P60(10)_4	15.60	3.60	485.00	368.00	68792	18895
N500K200P60(10)_5	19.20	3.00	488.00	315.00	68695	35596
N500K200P60(10)_6	14.40	3.60	494.00	335.00	69742	21603
N500K200P60(10)_7	17.40	3.60	483.00	357.00	69017	33859
N500K200P60(10)_8	15.00	4.20	490.00	343.00	68428	16725
N500K200P60(10)_9	15.60	3.60	462.00	358.00	68449	33834
N500K200P60(10)_10	13.20	3.60	479.00	286.00	69534	17961
N500K200P70(1)_1	15.40	0.00	474.00	409.00	71065	7065
N500K200P70(1)_2	9.80	0.00	495.00	312.00	71582	6707
N500K200P70(1)_3	22.40	0.70	473.00	266.00	70730	16308
N500K200P70(1)_4	18.20	0.70	470.00	322.00	71242	16558

NSOOK200P70(1).5 13.30 0.70 493.00 426.00 71536 GS NSOOK200P70(1).5 11.20 0.00 488.00 426.00 71154 167 NSOOK200P70(1).7 11.90 0.70 476.00 294.00 71154 167 NSOOK200P70(1).8 11.90 0.70 492.00 355.00 71831 170 NSOOK200P70(1).10 14.70 0.70 489.00 259.00 71047 166 NSOOK200P70(1).10 14.70 0.70 489.00 259.00 71047 166 NSOOK200P70(2).1 18.20 0.00 465.00 200.00 71833 170 NSOOK200P70(2).2 16.10 0.00 484.00 200.00 71833 144 NSOOK200P70(2).3 12.60 0.00 484.00 200.00 71833 144 NSOOK200P70(2).4 14.00 0.00 480.00 200.00 71693 144 NSOOK200P70(2).4 14.00 0.00 480.00 200.00 71769 144 NSOOK200P70(2).5 14.00 0.00 486.00 200.00 71734 144 NSOOK200P70(2).6 15.40 0.00 486.00 200.00 71746 154 NSOOK200P70(2).9 11.20 0.00 486.00 200.00 71146 154 NSOOK200P70(2).9 11.20 0.00 486.00 200.00 71146 154 NSOOK200P70(2).9 11.20 0.00 485.00 200.00 71166 154 NSOOK200P70(3).1 18.20 0.00 485.00 200.00 71166 154 NSOOK200P70(3).2 15.40 5.60 493.00 378.00 71856 426 NSOOK200P70(3).3 14.70 5.60 492.00 362.00 72377 385 NSOOK200P70(3).4 11.90 2.80 478.00 418.00 72281 716 NSOOK200P70(3).5 14.70 6.30 489.00 420.00 71966 565 NSOOK200P70(3).6 14.00 4.90 478.00 436.00 72237 385 NSOOK200P70(3).1 14.70 6.30 489.00 420.00 71966 565 NSOOK200P70(3).3 14.70 5.60 492.00 362.00 72377 385 NSOOK200P70(3).5 14.70 6.30 483.00 378.00 71856 426 NSOOK200P70(3).6 14.00 4.90 478.00 478.00 71659 351 NSOOK200P70(4).1 15.40 2.10 488.00 285.00 72233 334 NSOOK200P70(4).1 15.40 2.10 488.00 285.00 71764 157 NSOOK200P70(4).1 15.40 2.10 488.00 285.00 71764 157 NSOOK200P70(4).1 15.40 2.10 483.00 259.00 7164 157 NSOO		Total lo	ss value	Number	of active MDs	Time	(ms)
N500K200P70(1).5	Instance_#Run						GGA
N500K200P70(1).6	N500K200P70(1) 5	13 30		493.00	426.00	71536	18045
N500K200P70(1).7 11.90							3457
N500K200P70(1).8							16767
N500K200P70(1).9							
NS00K200P70(1).10							
N500K200P70(2)_1	* /						
N500K200P70(2).2	` '						
N500K200P70(2).3	` '						
N500K200P70(2).4							
N500K200P70(2).5							
N500K200P70(2).6							
N500K200P70(2).7							
N500K200P70(2).8							149
N500K200P70(2).9	` '						150
N500K200P70(2).10	. ,						149
N500K200P70(3).1 12.60 4.90 489.00 420.00 71966 5656 N500K200P70(3).2 15.40 5.60 493.00 378.00 71856 426 N500K200P70(3).3 14.70 5.60 492.00 362.00 72377 3856 N500K200P70(3).4 11.90 2.80 478.00 418.00 72281 7166 N500K200P70(3).5 14.70 6.30 494.00 428.00 71659 351 N500K200P70(3).6 14.00 4.90 473.00 371.00 71370 419 N500K200P70(3).7 13.30 4.20 481.00 426.00 72233 3344 78500K200P70(3).8 16.80 6.30 495.00 363.00 71751 2393 N500K200P70(3).9 11.20 6.30 483.00 342.00 72283 3355 N500K200P70(3).10 14.00 4.20 495.00 436.00 72292 424 485.00 285.00 72138 157 N500K200P70(4).1 15.40 2.10 488.00 285.00 72138 157 N500K200P70(4).2 18.90 1.40 482.00 291.00 71132 258 N500K200P70(4).3 14.70 2.10 487.00 242.00 71940 162 N500K200P70(4).5 16.10 2.10 483.00 356.00 71712 157 N500K200P70(4).5 16.10 2.10 483.00 259.00 71764 157 N500K200P70(4).7 18.20 2.10 483.00 259.00 71764 157 N500K200P70(4).7 18.20 2.10 483.00 259.00 71764 157 N500K200P70(4).7 18.20 2.10 483.00 220.00 72134 157 N500K200P70(4).7 18.20 2.10 483.00 220.00 72134 157 N500K200P70(4).1 13.30 2.10 490.00 293.00 71771 161 N500K200P70(4).1 13.30 2.10 490.00 293.00 71771 161 N500K200P70(4).1 13.30 2.10 490.00 293.00 71771 161 N500K200P70(5).2 16.10 0.00 492.00 200.00 70341 14 N500K200P70(5).1 16.80 0.00 475.00 200.00 70933 14 N500K200P70(5).1 16.80 0.00 475.00 200.00 70933 14 N500K200P70(5).5 11.90 0.00 475.00 200.00 71060 14 N500K200P70(5).5 11.90 0.00 475.00 200.00 7165 14 N500K200P70(5).5 11.90 0.00 475.00 200.00 7165 14 N500K200P70(5).5 14.00 0.00 482.00 200.00 7165 14 N500K200P70(5).5 14.00 0.00 482.00 200.00 7165 14 N500K200P70(5).5 14.00 0.00 48							150
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N500K200P70(3).3	\ \ /					71966	56504
N500K200P70(3).4 11.90 2.80 478.00 418.00 72281 7166 N500K200P70(3).5 14.70 6.30 494.00 428.00 71659 351 N500K200P70(3).6 14.00 4.90 473.00 371.00 71370 419 N500K200P70(3).7 13.30 4.20 481.00 426.00 72233 334 72500K200P70(3).9 11.20 6.30 483.00 342.00 72283 355 N500K200P70(3).10 14.00 4.20 495.00 436.00 72293 355 N500K200P70(4).1 15.40 2.10 488.00 285.00 72138 157 N500K200P70(4).2 18.90 1.40 482.00 291.00 71132 258 N500K200P70(4).3 14.70 2.10 487.00 242.00 71940 162 N500K200P70(4).4 13.30 2.10 483.00 356.00 71712 157 N500K200P70(4).5 16.10 2.10 483.00 356.00 71712 157 N500K200P70(4).6 11.20 2.10 483.00 259.00 71764 157 N500K200P70(4).8 14.00 2.10 483.00 259.00 71764 157 N500K200P70(4).8 14.00 2.10 483.00 259.00 71764 157 N500K200P70(4).8 14.00 2.10 483.00 259.00 71764 157 N500K200P70(4).9 13.30 2.10 490.00 293.00 71717 161 N500K200P70(4).9 13.30 2.10 490.00 293.00 71717 161 N500K200P70(5).1 16.80 0.00 442.00 200.00 70341 147 N500K200P70(5).2 16.10 0.00 492.00 200.00 70933 147 N500K200P70(5).2 16.10 0.00 492.00 200.00 70933 147 N500K200P70(5).5 11.90 0.00 475.00 200.00 70933 147 N500K200P70(5).5 11.90 0.00 475.00 200.00 70950 148 N500K200P70(5).5 11.90 0.00 479.00 200.00 70950 150 N500K200P70(5).8 14.00 0.00 483.00 200.00 70950 150 N500K200P70(5).8 14.00 0.00 483.00 200.00 70950 150 N500K200P70(6).1 14.00 0.00 483.00 200.00 71615 140 N500K200P70(6).1 14.00 0.00 483.00 200.00 71615 140 N500K200P70(6).2 15.40 0.00 486.00 200.00 71615 140 N500K200P70(6).1 14.00 0.00 486.00 200.00 71615 140 N500K200P70(6).1 14.00 0.00 486.00 200.00 71615 140 N500K200P70(6).1 14.00 0.00 486.00 200.00 71615 1	` '						42655
N500K200P70(3).5	N500K200P70(3)_3	14.70	5.60	492.00	362.00	72377	38596
N500K200P70(3)_6	N500K200P70(3)_4	11.90	2.80	478.00	418.00	72281	71660
N500K200P70(3).7 13.30	N500K200P70(3)_5	14.70	6.30	494.00	428.00	71659	35170
N500K200P70(3)_8	N500K200P70(3)_6	14.00	4.90	473.00	371.00	71370	41912
N500K200P70(3).9 11.20 6.30 483.00 342.00 72283 3555 N500K200P70(3).10 14.00 4.20 495.00 436.00 72292 424 15.00 488.00 285.00 72138 157 15.00 15.40 2.10 488.00 285.00 72138 157 15.00 15.40 2.10 488.00 291.00 71132 258 15.00 258.00 291.00 71132 258 15.00 258.00 291.00 71132 258 15.00 258.00 258.00 71.00 258.00 258.00 71.00 258.00 258.00 72138 157 258.00 258.	N500K200P70(3)_7	13.30	4.20	481.00	426.00	72233	33488
N500K200P70(3)_10	N500K200P70(3)_8	16.80	6.30	495.00	363.00	71751	29369
N500K200P70(4)_1	N500K200P70(3)_9	11.20	6.30	483.00	342.00	72283	35524
N500K200P70(4)_1	N500K200P70(3)_10	14.00	4.20	495.00	436.00	72292	42493
N500K200P70(4)_2	N500K200P70(4)_1	15.40	2.10	488.00	285.00	72138	15775
N500K200P70(4)_3							25832
N500K200P70(4)_4 13.30 2.10 492.00 300.00 71590 1630 N500K200P70(4)_5 16.10 2.10 483.00 356.00 71712 1570 N500K200P70(4)_6 11.20 2.10 483.00 259.00 71764 1570 N500K200P70(4)_7 18.20 2.10 494.00 299.00 72067 168 N500K200P70(4)_8 14.00 2.10 483.00 270.00 72134 1570 N500K200P70(4)_9 13.30 2.10 490.00 293.00 71717 161 N500K200P70(4)_10 13.30 1.40 493.00 218.00 72441 196 N500K200P70(5)_1 16.80 0.00 442.00 200.00 70341 14 N500K200P70(5)_2 16.10 0.00 492.00 200.00 71917 14 N500K200P70(5)_3 13.30 0.00 475.00 200.00 71147 14 N500K200P70(5)_4 17.50 0.00 473.00 200.00							16294
N500K200P70(4)_5 16.10 2.10 483.00 356.00 71712 1570 N500K200P70(4)_6 11.20 2.10 483.00 259.00 71764 1570 N500K200P70(4)_7 18.20 2.10 494.00 299.00 72067 168 N500K200P70(4)_8 14.00 2.10 483.00 270.00 72134 1570 N500K200P70(4)_9 13.30 2.10 490.00 293.00 71717 1610 N500K200P70(4)_10 13.30 1.40 493.00 218.00 72441 1960 N500K200P70(5)_1 16.80 0.00 442.00 200.00 70341 144 N500K200P70(5)_2 16.10 0.00 492.00 200.00 70933 144 N500K200P70(5)_3 13.30 0.00 475.00 200.00 71147 144 N500K200P70(5)_4 17.50 0.00 473.00 200.00 71147 144 N500K200P70(5)_5 11.90 0.00 467.00 200.00							16303
N500K200P70(4)_6							15702
N500K200P70(4)_7 18.20 2.10 494.00 299.00 72067 168 N500K200P70(4)_8 14.00 2.10 483.00 270.00 72134 157 N500K200P70(4)_9 13.30 2.10 490.00 293.00 71717 161 N500K200P70(4)_10 13.30 1.40 493.00 218.00 72441 196 N500K200P70(5)_1 16.80 0.00 442.00 200.00 70341 14 N500K200P70(5)_2 16.10 0.00 492.00 200.00 70933 14 N500K200P70(5)_3 13.30 0.00 491.00 200.00 71147 14 N500K200P70(5)_4 17.50 0.00 475.00 200.00 71147 14 N500K200P70(5)_5 11.90 0.00 473.00 200.00 71060 14 N500K200P70(5)_6 13.30 0.00 467.00 200.00 70895 14 N500K200P70(5)_8 14.00 0.00 482.00 200.00 7	1 1						15763
N500K200P70(4)_8 14.00 2.10 483.00 270.00 72134 1570 N500K200P70(4)_9 13.30 2.10 490.00 293.00 71717 1615 N500K200P70(4)_10 13.30 1.40 493.00 218.00 72441 1965 N500K200P70(5)_1 16.80 0.00 442.00 200.00 70341 1445 N500K200P70(5)_2 16.10 0.00 492.00 200.00 70933 1445 N500K200P70(5)_3 13.30 0.00 491.00 200.00 71917 1445 N500K200P70(5)_4 17.50 0.00 475.00 200.00 71147 1445 N500K200P70(5)_5 11.90 0.00 473.00 200.00 71060 1445 N500K200P70(5)_6 13.30 0.00 467.00 200.00 70895 1445 N500K200P70(5)_8 14.00 0.00 479.00 200.00 70752 1445 N500K200P70(5)_10 14.00 0.00 483.00 200.00 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>16810</td>							16810
N500K200P70(4)_9 13.30 2.10 490.00 293.00 71717 161 N500K200P70(4)_10 13.30 1.40 493.00 218.00 72441 196 N500K200P70(5)_1 16.80 0.00 442.00 200.00 70341 14 N500K200P70(5)_2 16.10 0.00 492.00 200.00 70933 14 N500K200P70(5)_3 13.30 0.00 491.00 200.00 71917 14 N500K200P70(5)_4 17.50 0.00 475.00 200.00 71147 14 N500K200P70(5)_5 11.90 0.00 473.00 200.00 71060 14 N500K200P70(5)_6 13.30 0.00 467.00 200.00 70895 14 N500K200P70(5)_6 13.30 0.00 492.00 200.00 71355 14 N500K200P70(5)_7 14.00 0.00 492.00 200.00 70752 14 N500K200P70(5)_8 14.00 0.00 483.00 200.00 709							15763
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N500K200P70(5)_2 16.10 0.00 492.00 200.00 70933 14 N500K200P70(5)_3 13.30 0.00 491.00 200.00 71917 14 N500K200P70(5)_4 17.50 0.00 475.00 200.00 71147 14 N500K200P70(5)_5 11.90 0.00 473.00 200.00 71060 14 N500K200P70(5)_6 13.30 0.00 467.00 200.00 70895 14 N500K200P70(5)_7 14.00 0.00 492.00 200.00 70752 14 N500K200P70(5)_8 14.00 0.00 483.00 200.00 70950 15 N500K200P70(5)_9 12.60 0.00 482.00 200.00 70919 14 N500K200P70(6)_1 14.00 0.00 487.00 200.00 71615 14 N500K200P70(6)_1 14.00 0.00 489.00 200.00 71615 14 N500K200P70(6)_2 15.40 0.00 479.00 200.00 71511<	` ′						
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N500K200P70(5)_9 12.60 0.00 483.00 200.00 70950 150 N500K200P70(5)_10 14.00 0.00 482.00 200.00 70919 140 N500K200P70(6)_1 14.00 0.00 487.00 200.00 71615 140 N500K200P70(6)_2 15.40 0.00 489.00 200.00 71787 140 N500K200P70(6)_3 14.70 0.00 479.00 200.00 71511 140 N500K200P70(6)_4 16.80 0.00 479.00 200.00 71412 150 N500K200P70(6)_5 14.70 0.00 486.00 200.00 71404 150 N500K200P70(6)_6 16.10 0.00 493.00 200.00 71789 150							
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N500K200P70(6)_5 14.70 0.00 486.00 200.00 71404 150 N500K200P70(6)_6 16.10 0.00 493.00 200.00 71789 150	1 1						149
N500K200P70(6)_6 16.10 0.00 493.00 200.00 71789 150							151
							150
N500K200P70(6) 7 14.70 0.00 487.00 200.00 72081 150							150
	N500K200P70(6)_7	14.70	0.00	487.00	200.00	72081	152
							150
` '	` '						148
	` /						149
N500K200P70(7)_1 20.30 3.50 484.00 345.00 67603 1733	N500K200P70(7)_1	20.30	3.50	484.00	345.00	67603	17338

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K200P70(7)_2	19.60	3.50	489.00	310.00	67558	17418
N500K200P70(7)_3	19.60	2.80	477.00	425.00	67750	17407
N500K200P70(7)_4	18.20	3.50	470.00	315.00	67500	16849
N500K200P70(7)_5	21.70	2.80	461.00	325.00	66756	16794
N500K200P70(7)_6	14.70	2.80	475.00	267.00	67651	37696
N500K200P70(7)_7	20.30	2.80	473.00	475.00	66817	17511
N500K200P70(7)_8	14.70	2.80	491.00	393.00	67969	17818
N500K200P70(7)_9	19.60	3.50	487.00	277.00	67405	16961
N500K200P70(7)_10	16.10	2.80	478.00	356.00	68169	16998
N500K200P70(8)_1	18.90	2.80	493.00	264.00	69250	25405
N500K200P70(8)_2	21.00	3.50	471.00	309.00	68916	17080
N500K200P70(8)_3	17.50	3.50	476.00	264.00	69119	15902
N500K200P70(8)_4	16.80	2.80	489.00	338.00	68942	17296
N500K200P70(8)_5	18.90	2.80	479.00	348.00	68703	28045
N500K200P70(8)_6	14.70	2.80	491.00	397.00	69308	17847
N500K200P70(8)_7	16.80	2.80	498.00	413.00	68931	19285
N500K200P70(8)_8	18.90	2.80	475.00	411.00	68840	17158
N500K200P70(8)_9	18.20	3.50	484.00	286.00	68729	16197
N500K200P70(8)_10	15.40	3.50	481.00	273.00	69223	15935
N500K200P70(9)_1	18.90	3.50	478.00	339.00	71877	39567
N500K200P70(9)_2	14.70	3.50	457.00	471.00	71427	41129
N500K200P70(9)_3	14.70	4.20	463.00	339.00	71340	28843
N500K200P70(9)_4	14.70	7.70	490.00	262.00	71509	22680
N500K200P70(9)_5	15.40	8.40	474.00	386.00	72815	17821
N500K200P70(9)_6	18.20	3.50	455.00	355.00	71521	40478
N500K200P70(9)_7	17.50	5.60	479.00	380.00	71545	24467
N500K200P70(9)_8 N500K200P70(9)_9	14.70 14.00	4.20	475.00 484.00	373.00 434.00	71674 72159	36846 33371
N500K200P70(9)_9 N500K200P70(9)_10	16.10	$\frac{4.90}{4.20}$	482.00	369.00	71437	32432
N500K200P70(10)_1	18.20	4.20	482.00	329.00	69182	16688
N500K200P70(10)_2	19.60	4.20	489.00	350.00	69122	29348
N500K200P70(10)_3	21.00	4.20	488.00	377.00	68156	18819
N500K200P70(10)_4	21.70	4.90	487.00	379.00	69181	17377
N500K200P70(10)_5	17.50	5.60	490.00	328.00	69365	16901
N500K200P70(10)_6	18.90	4.20	488.00	293.00	68845	18549
N500K200P70(10)_7	17.50	4.20	491.00	300.00	69003	17906
N500K200P70(10)_8	15.40	4.20	488.00	374.00	68732	20307
N500K200P70(10)_9	20.30	4.20	497.00	358.00	69097	18562
N500K200P70(10)_10	21.70	4.20	494.00	438.00	68442	21138
N500K200P80(1)_1	20.81	5.01	496.00	402.00	72761	73608
N500K200P80(1)_2	17.96	4.20	491.00	458.00	73193	73465
N500K200P80(1)_3	16.38	2.87	495.00	467.00	72988	73445
N500K200P80(1)_4	19.51	3.54	480.00	485.00	72275	74161
N500K200P80(1)_5	16.45	3.52	499.00	484.00	72918	73991
N500K200P80(1)_6	20.20	4.36	487.00	445.00	72402	73498
N500K200P80(1)_7	18.71	3.46	496.00	481.00	72779	74029
N500K200P80(1)_8	21.76	5.85	497.00	466.00	72207	73915
N500K200P80(1)_9	15.70	6.54	499.00	466.00	72232	74171
N500K200P80(1)_10	20.38	2.91	496.00	415.00	72137	73480
N500K200P80(2)_1	21.09	5.77	488.00	490.00	71875	74294
N500K200P80(2)_2	15.78	4.99	485.00	481.00	72853	74538
N500K200P80(2)_3	18.49	4.29	491.00	452.00	72899	74400
N500K200P80(2)_4	19.83	5.13	497.00	423.00	72109	74053
N500K200P80(2)_5	25.85	5.77	491.00	480.00	71797	74621
N500K200P80(2)_6	19.46	5.08	499.00	454.00	72463	74132
N500K200P80(2)_7	20.39	5.02	494.00	468.00	72231	74318
N500K200P80(2)_8	18.88	6.55	473.00	450.00	72473	73777

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K200P80(2)_9	21.01	4.98	494.00	499.00	72884	74395
N500K200P80(2)_10	18.91	5.11	495.00	440.00	72146	74072
N500K200P80(3)_1	20.98	8.45	490.00	444.00	72868	73475
N500K200P80(3)_2	14.79	14.04	495.00	421.00	73517	72863
N500K200P80(3)_3	18.53	11.54	488.00	466.00	73002	73276
N500K200P80(3)_4	16.53	11.63	498.00	471.00	72891	73150
N500K200P80(3)_5	19.31	12.81	494.00	447.00	72882	73786
N500K200P80(3)_6	17.86	10.78	500.00	387.00	72700	72748
N500K200P80(3)_7	18.50	12.14	490.00	475.00	73414	73136
N500K200P80(3)_8	18.08	11.35	500.00	446.00	72548	72608
N500K200P80(3)_9	18.81	11.46	495.00	426.00	72706	73333
N500K200P80(3)_10	22.42	9.97	499.00	494.00	73142	74075
N500K200P80(4)_1	20.35	4.93	494.00	404.00	73187	73144
N500K200P80(4)_2	21.98	4.14	495.00	453.00	71975	73182
N500K200P80(4)_3	19.03	6.39	494.00	466.00	72769	73208
N500K200P80(4)_4	19.55	6.36	492.00	478.00	72706	73751
N500K200P80(4)_5	17.74	3.30	493.00	451.00	73141	73290
N500K200P80(4)_6	23.42	5.45	483.00	438.00	72559	73209
N500K200P80(4)_7	21.91	6.97	493.00	497.00	72453	73903
N500K200P80(4)_8 N500K200P80(4)_9	19.42 18.89	5.64 4.75	497.00	476.00 485.00	72894 72749	72394 73831
N500K200P80(4)_9 N500K200P80(4)_10	17.30	4.79	495.00	485.00	72831	73633
N500K200P80(4)_10	17.91	2.16	498.00	463.00	72393	73018
N500K200P80(5)_1 N500K200P80(5)_2	23.49	2.13	490.00	458.00	71802	73169
N500K200P80(5)_3	15.87	2.13	494.00	469.00	71746	73319
N500K200P80(5)_4	17.05	$\frac{2.05}{1.35}$	491.00	342.00	71936	72405
N500K200P80(5)_5	17.35	1.32	487.00	425.00	71770	72958
N500K200P80(5)_6	20.98	2.13	499.00	459.00	72417	73081
N500K200P80(5)_7	19.51	0.58	493.00	393.00	72084	72569
N500K200P80(5)_8	21.72	1.35	485.00	449.00	71827	73773
N500K200P80(5)_9	21.59	2.84	498.00	377.00	73313	73115
N500K200P80(5)_10	16.38	0.56	482.00	419.00	72019	72713
N500K200P80(6)_1	22.60	4.50	494.00	393.00	72481	73361
N500K200P80(6)_2	22.29	5.83	496.00	426.00	73098	73304
N500K200P80(6)_3	19.44	4.43	481.00	421.00	72860	73694
N500K200P80(6)_4	21.29	6.64	495.00	394.00	72444	73244
N500K200P80(6)_5	15.42	5.86	495.00	485.00	73072	74001
N500K200P80(6)_6	21.86	5.82	491.00	424.00	72790	74158
N500K200P80(6)_7	17.96	8.86	492.00	433.00	73138	73570
N500K200P80(6)_8	18.55	8.07	487.00	472.00	72889	74247
N500K200P80(6)_9	18.98	8.17	497.00	440.00	72050	73481
N500K200P80(6)_10	21.25	8.11	489.00	413.00	72088	73054
N500K200P80(7)_1	21.88	20.60	496.00	492.00	68536	70333
N500K200P80(7)_2	25.11	9.92	499.00	459.00	68595	69970
N500K200P80(7)_3	23.06	9.35	500.00	456.00	68170	69833
N500K200P80(7)_4	24.21	9.38	500.00	482.00	68365	70130
N500K200P80(7)_5	23.66	25.21	498.00	486.00	67986	70352
N500K200P80(7)_6	20.31	8.45	498.00	487.00	68833	70269
N500K200P80(7)_7	23.68	9.26	492.00	362.00	68189	69470
N500K200P80(7)_8	22.78	11.49	498.00	496.00	68043	70459
N500K200P80(7)_9	21.26	8.60	497.00	435.00	68152	70259
N500K200P80(7)_10 N500K200P80(8)_1	22.79 20.34	9.15 10.32	492.00 491.00	491.00 488.00	68310 70083	71014 70781
N500K200P80(8)_1 N500K200P80(8)_2	24.04	8.00	491.00	486.00	70083	70781
N500K200P80(8)_3	19.62	6.61	493.00	480.00	70049	70673
N500K200P80(8)_4	20.51	5.89	493.00	393.00	70001	70067
N500K200P80(8)_5	20.69	6.53	485.00	438.00	69568	70513
11300112001 00(0)_3	20.03	0.00	100.00	±90.00	00000	10010

T (Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K200P80(8)_6	21.27	8.85	499.00	457.00	69780	70913
N500K200P80(8)_7	23.62	9.59	493.00	422.00	69818	70535
N500K200P80(8)_8	23.90	9.63	498.00	436.00	69107	70661
N500K200P80(8)_9	23.13	8.87	499.00	466.00	69839	70906
N500K200P80(8)_10	18.87	8.79	499.00	500.00	69865	70819
N500K200P80(9)_1	20.41	9.73	497.00	436.00	72300	72359
N500K200P80(9)_2	22.16	12.03	485.00	438.00	72134	72425
N500K200P80(9)_3	17.26	8.29	496.00	436.00	73322	72963
N500K200P80(9)_4	16.42	8.25	496.00	416.00	72802	72202
N500K200P80(9)_5	19.51	9.11	494.00	474.00	72846	73000
N500K200P80(9)_6	22.34	7.60	492.00	495.00	72772	73116
N500K200P80(9)_7	18.47	7.45	485.00	446.00	73106	72858
N500K200P80(9)_8	19.40	9.68	497.00	419.00	72746	73092
N500K200P80(9)_9	23.16	9.11	488.00	401.00	72598	71855
N500K200P80(9)_10	20.40	9.80	497.00	429.00	73489	72675
N500K200P80(10)_1	21.30	11.68	499.00	464.00	69770	70954
N500K200P80(10)_2	22.81	18.50	482.00	497.00	69732	70796
N500K200P80(10)_3	23.70	10.19	498.00	490.00	69809	71104
N500K200P80(10)_4	25.40	13.22	484.00	483.00	69318	71372
N500K200P80(10)_5	20.58	12.45	495.00	478.00	69945	71501
N500K200P80(10)_6	26.48	10.13	480.00	460.00	69408	71308
N500K200P80(10)_7	19.89	13.21	494.00	468.00	70012	71156
N500K200P80(10)_8	26.65	10.34	491.00	432.00	69588	70829
N500K200P80(10)_9	29.79	11.60	490.00	472.00	69278	71385
N500K200P80(10)_10	21.61	12.47	499.00	436.00	70008	70894
N500K250P50(1)_1	22.00	10.00	470.00	408.00	74797	67324
N500K250P50(1)_2	23.00	10.50	496.00	438.00	75232	74159
N500K250P50(1)_3 N500K250P50(1)_4	20.00	12.50	499.00 494.00	407.00 451.00	74839	63496 34036
N500K250P50(1)_4 N500K250P50(1)_5	21.00	$\frac{14.00}{11.50}$	494.00	403.00	74739 75184	57749
N500K250P50(1)_6	22.00	13.00	494.00	403.00	74750	46529
N500K250P50(1)_7	25.50	$\frac{15.00}{17.50}$	488.00	368.00	74415	26561
N500K250P50(1)_8	22.00	11.00	478.00	486.00	74751	51163
N500K250P50(1)_9	24.50	15.50	480.00	457.00	74590	42460
N500K250P50(1)_10	24.00	9.50	491.00	488.00	74996	75593
N500K250P50(2)_1	20.00	9.50	491.00	403.00	75399	75518
N500K250P50(2)_2	22.00	11.50	486.00	395.00	75076	38226
N500K250P50(2)_3	22.00	10.00	489.00	458.00	75187	55090
N500K250P50(2)_4	22.50	10.00	484.00	356.00	75546	48238
N500K250P50(2)_5	20.50	13.50	484.00	461.00	75325	37757
N500K250P50(2)_6	20.00	11.00	497.00	412.00	74971	46708
N500K250P50(2)_7	20.50	10.00	493.00	454.00	75125	32255
N500K250P50(2)_8	21.00	11.50	489.00	499.00	74845	36354
N500K250P50(2)_9	22.50	13.00	491.00	423.00	74889	31908
N500K250P50(2)_10	23.50	10.00	491.00	391.00	74910	67906
N500K250P50(3)_1	22.00	14.50	486.00	414.00	75181	74631
N500K250P50(3)_2	22.00	14.50	498.00	407.00	75289	75034
N500K250P50(3)_3	21.50	18.00	480.00	410.00	75352	73214
N500K250P50(3)_4	24.50	14.50	490.00	393.00	74688	74413
N500K250P50(3)_5	27.00	16.00	477.00	361.00	74762	74024
N500K250P50(3)_6	23.00	14.00	486.00	390.00	75502	71210
N500K250P50(3)_7	24.00	15.00	491.00	411.00	75322	74836
N500K250P50(3)_8	27.50	14.00	473.00	390.00	74804	74102
N500K250P50(3)_9	24.50	13.50	494.00	427.00	75328	74971
N500K250P50(3)_10	25.00	14.00	484.00	467.00	74890	75076
N500K250P50(4)_1	21.00	12.00	490.00	351.00	74958	53609
N500K250P50(4)_2	26.00	14.50	475.00	388.00	74191	56879

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K250P50(4)_3	25.00	14.50	477.00	381.00	74449	43021
N500K250P50(4)_4	24.00	13.50	486.00	397.00	74363	53381
N500K250P50(4)_5	24.00	14.50	480.00	462.00	74774	42944
N500K250P50(4)_6	23.00	12.50	489.00	440.00	74551	59653
N500K250P50(4)_7	23.00	14.00	461.00	448.00	74513	55067
N500K250P50(4)_8	25.00	16.50	495.00	369.00	74772	34941
N500K250P50(4)_9	23.00	11.50	494.00	436.00	74541	75093
N500K250P50(4)_10	24.50	13.00	485.00	338.00	74423	73962
N500K250P50(5)_1	27.50	7.50	483.00	431.00	73770	24852
N500K250P50(5)_2	22.50	7.50	491.00	383.00	74079	25601
N500K250P50(5)_3	23.50	7.50	490.00	381.00	73921	22457
N500K250P50(5)_4	20.50	7.50	491.00	376.00	74087	48938
N500K250P50(5)_5	22.00	7.50	488.00	410.00	74354	23005
N500K250P50(5)_6	24.00	8.50	488.00	374.00	74269	21779
N500K250P50(5)_7	23.00	8.50	493.00	334.00	74214	29330
N500K250P50(5)_8	24.50	8.50	493.00	382.00	73837	23737
N500K250P50(5)_9	23.00	8.00	494.00	362.00	74062	30202
N500K250P50(5)_10	21.00	8.00	490.00	409.00	74726	21957
N500K250P50(6)_1	23.00	13.00	482.00	409.00	75236	28395
N500K250P50(6)_2	22.50	12.00	496.00	398.00	75882	39772
N500K250P50(6)_3	23.50	11.00	488.00	384.00	75892	49646
N500K250P50(6)_4	23.50	12.00	494.00	449.00	75931	37670
N500K250P50(6)_5	26.50	13.00	492.00	377.00	75043	30115
N500K250P50(6)_6	20.00	13.00	484.00	411.00	75420	24187
N500K250P50(6)_7	21.50	12.50	490.00	399.00	75816	30965
N500K250P50(6)_8	18.50	11.50	479.00	368.00	76263	36329
N500K250P50(6)_9	19.00	12.00	492.00	428.00	75738	30853
N500K250P50(6)_10	20.50	13.00	490.00	366.00	75805	27582
N500K250P50(7)_1	29.50	15.50	486.00	478.00	70973	53179
N500K250P50(7)_2	26.00	15.50	489.00	451.00	70698	63771
N500K250P50(7)_3	29.50	18.00	485.00	450.00	70862	32702
N500K250P50(7)_4	28.00	15.50	489.00	424.00	70539	70701
N500K250P50(7)_5	28.00	18.00	490.00	472.00	70740	29975
N500K250P50(7)_6	29.50	17.00	493.00	308.00	70533	52379
N500K250P50(7)_7	26.00	18.00	495.00	435.00	70418	42948
N500K250P50(7)_8	30.00	19.50	491.00	496.00	71672	24524
N500K250P50(7)_9	29.00	17.00	491.00	453.00	70583	55538
N500K250P50(7)_10	29.00	17.50	475.00	333.00	70374	50374
N500K250P50(8)_1	30.00 27.00	20.50	481.00 478.00	343.00	71216	45457
N500K250P50(8)_2 N500K250P50(8)_3	31.50	20.00	500.00	445.00 366.00	71964	26781 52859
N500K250P50(8)_4	31.50	$\frac{19.50}{19.50}$	476.00	353.00	71051 70894	38957
N500K250P50(8)_4 N500K250P50(8)_5	31.00	$\frac{19.50}{20.50}$	490.00	403.00	70894	33029
N500K250P50(8)_6	28.00	19.00	489.00	408.00	72197	43890
N500K250P50(8)_7	25.50	21.00	493.00	450.00	72197	55064
N500K250P50(8)_8	27.50	19.00	493.00	433.00	71767	40609
N500K250P50(8)_9	30.50	18.50	495.00	481.00	71157	64123
N500K250P50(8)_10	27.50	20.00	493.00	469.00	71794	50749
N500K250P50(9)_1	26.00	17.00	495.00	477.00	74881	57527
N500K250P50(9)_2	25.00	14.00	496.00	379.00	74876	74536
N500K250P50(9)_3	24.50	16.50	494.00	365.00	74981	69914
N500K250P50(9)_4	27.00	18.00	471.00	425.00	74459	45724
N500K250P50(9)_5	25.50	13.50	490.00	416.00	75177	74254
N500K250P50(9)_6	22.50	13.00	500.00	431.00	74981	74599
N500K250P50(9)_7	21.50	17.00	494.00	433.00	75487	47696
N500K250P50(9)_8	25.00	13.00	494.00	401.00	74492	74339
N500K250P50(9)_9	25.50	18.50	491.00	468.00	74368	43095
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N500K250P50(10)_1	e (ms) GGA 49627 71672 31699 50905 31021 37750 30371 35648 51630 29531 45101 35807 40787
N500K250P50(10)_1 27.00 20.00 490.00 429.00 71666 N500K250P50(10)_2 25.50 22.00 490.00 359.00 72298 N500K250P50(10)_3 24.00 21.50 499.00 380.00 72249 N500K250P50(10)_4 32.00 22.50 492.00 423.00 71765 N500K250P50(10)_5 28.50 22.00 493.00 476.00 71887 N500K250P50(10)_6 30.50 21.00 478.00 445.00 71043 N500K250P50(10)_7 28.00 22.50 493.00 417.00 71680 N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681	71672 31699 50905 31021 37750 30371 35648 51630 29531 45101 35807 40787
N500K250P50(10)_1 27.00 20.00 490.00 429.00 71666 N500K250P50(10)_2 25.50 22.00 490.00 359.00 72298 N500K250P50(10)_3 24.00 21.50 499.00 380.00 72249 N500K250P50(10)_4 32.00 22.50 492.00 423.00 71765 N500K250P50(10)_5 28.50 22.00 493.00 476.00 71887 N500K250P50(10)_6 30.50 21.00 478.00 445.00 71043 N500K250P50(10)_7 28.00 22.50 493.00 417.00 71680 N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681	31699 50905 31021 37750 30371 35648 51630 29531 45101 35807 40787
N500K250P50(10)_3 24.00 21.50 499.00 380.00 72249 N500K250P50(10)_4 32.00 22.50 492.00 423.00 71765 N500K250P50(10)_5 28.50 22.00 493.00 476.00 71887 N500K250P50(10)_6 30.50 21.00 478.00 445.00 71043 N500K250P50(10)_7 28.00 22.50 493.00 417.00 71680 N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250 <	50905 31021 37750 30371 35648 51630 29531 45101 35807 40787
N500K250P50(10)_4 32.00 22.50 492.00 423.00 71765 N500K250P50(10)_5 28.50 22.00 493.00 476.00 71887 N500K250P50(10)_6 30.50 21.00 478.00 445.00 71043 N500K250P50(10)_7 28.00 22.50 493.00 417.00 71680 N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	31021 37750 30371 35648 51630 29531 45101 35807 40787
N500K250P50(10)_5 28.50 22.00 493.00 476.00 71887 N500K250P50(10)_6 30.50 21.00 478.00 445.00 71043 N500K250P50(10)_7 28.00 22.50 493.00 417.00 71680 N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	37750 30371 35648 51630 29531 45101 35807 40787
N500K250P50(10)_6 30.50 21.00 478.00 445.00 71043 N500K250P50(10)_7 28.00 22.50 493.00 417.00 71680 N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	30371 35648 51630 29531 45101 35807 40787
N500K250P50(10)_7 28.00 22.50 493.00 417.00 71680 N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	35648 51630 29531 45101 35807 40787
N500K250P50(10)_8 30.50 21.00 492.00 428.00 71700 N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	51630 29531 45101 35807 40787
N500K250P50(10)_9 30.50 24.00 472.00 384.00 71061 N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	29531 45101 35807 40787
N500K250P50(10)_10 28.50 21.00 475.00 400.00 71752 N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	45101 35807 40787
N500K250P60(1)_1 28.80 14.40 498.00 413.00 74432 N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	35807 40787
N500K250P60(1)_2 28.80 13.20 482.00 441.00 74769 N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	40787
N500K250P60(1)_3 28.20 12.60 488.00 466.00 74681 N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	
N500K250P60(1)_4 31.20 12.00 470.00 445.00 74250	
	37747
NEOOTO EODO (1) E 04 00 404 00 454 00 54000	58118
N500K250P60(1)_5 31.20 12.60 481.00 474.00 74626	54484
N500K250P60(1)_6 24.00 15.60 474.00 379.00 75552	39816
N500K250P60(1)_7 27.60 13.20 485.00 376.00 74864	61821
N500K250P60(1)_8 29.40 13.20 477.00 408.00 74446	53532
N500K250P60(1)_9 30.60 13.80 485.00 374.00 74030	50403
N500K250P60(1)_10 31.20 12.00 494.00 430.00 74178	75405
N500K250P60(2)_1 25.80 9.00 479.00 439.00 75128	58200
N500K250P60(2)_2 28.80 13.20 484.00 485.00 75111	37396
N500K250P60(2)_3 29.40 12.60 494.00 477.00 75311	41837
N500K250P60(2)_4 32.40 11.40 486.00 368.00 74741	58177
N500K250P60(2)_5 29.40 12.60 490.00 436.00 74801	33496
N500K250P60(2)_6 27.60 10.20 497.00 398.00 75158	51197
N500K250P60(2)_7 25.20 12.60 494.00 469.00 75683	75173
N500K250P60(2)_8 28.80 12.60 494.00 448.00 74494	50313
N500K250P60(2)_9 28.80 11.40 494.00 454.00 74975 N500K250P60(2)_10 27.60 12.00 477.00 485.00 74883	40007
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N500K250P60(3)_1 28.80 16.80 493.00 401.00 75010 N500K250P60(3)_2 30.00 18.00 493.00 407.00 74772	74612
N500K250F60(3)_2 30.00 18.00 495.00 407.00 74172 N500K250F60(3)_3 27.60 16.20 469.00 399.00 74849	75093
N500K250F60(3)_4 24.00 18.60 489.00 453.00 75347	72365
N500K250F60(3)_5 30.60 15.60 491.00 423.00 74759	67694
N500K250F60(3)_6 26.40 17.40 482.00 424.00 75232	74780
N500K250F60(3)_7 27.00 17.40 489.00 435.00 75054	58325
N500K250P60(3)_8 30.60 19.80 483.00 443.00 74708	74738
N500K250P60(3)_9 27.00 15.00 484.00 443.00 75121	75304
N500K250P60(3)_10 28.20 16.20 467.00 347.00 74895	74626
N500K250P60(4)_1 24.60 15.60 496.00 434.00 75474	
N500K250P60(4)_2 27.00 17.40 494.00 402.00 74935	62964
N500K250P60(4)_3 31.20 16.20 485.00 423.00 74742	50625
N500K250P60(4)_4 27.60 21.60 486.00 403.00 75040	33123
N500K250P60(4)_5 32.40 15.60 484.00 381.00 74346	71063
N500K250P60(4)_6 26.40 17.40 485.00 412.00 74878	49096
N500K250P60(4)_7 35.40 17.40 483.00 458.00 74451	40681
N500K250P60(4)_8 26.40 17.40 484.00 330.00 75335	58249
N500K250P60(4)_9 28.80 17.40 476.00 493.00 74413	61889
N500K250P60(4)_10 30.00 19.20 500.00 400.00 74588	30219
N500K250P60(5)_1 25.80 9.00 498.00 379.00 74267	30668
N500K250P60(5).2 28.20 9.00 486.00 357.00 74019	31016
N500K250P60(5)_3 30.60 7.80 490.00 441.00 73976	35251
N500K250P60(5)_4 22.80 8.40 494.00 396.00 74170	35668
N500K250P60(5)_5 31.20 9.60 488.00 348.00 74033	22684
N500K250P60(5)_6 30.00 9.00 475.00 434.00 73831	23243

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K250P60(5)_7	27.60	10.20	479.00	473.00	73738	20204
N500K250P60(5)_8	30.60	10.80	472.00	378.00	73801	20607
N500K250P60(5)_9	29.40	8.40	476.00	457.00	74064	32413
N500K250P60(5)_10	26.40	10.20	492.00	352.00	74110	23213
N500K250P60(6)_1	28.80	14.40	482.00	422.00	75495	29343
N500K250P60(6)_2	27.60	14.40	480.00	412.00	75687	34563
N500K250P60(6)_3	23.40	15.60	467.00	402.00	76263	40395
N500K250P60(6)_4	27.00	15.00	493.00	401.00	75729	28410
N500K250P60(6)_5	27.60	14.40	488.00	412.00	75828	45328
N500K250P60(6)_6	27.60	16.20	495.00	397.00	75771	24198
N500K250P60(6)_7	29.40	12.60	493.00	394.00	75981	64198
N500K250P60(6)_8	27.60	15.60	486.00	305.00	75617	48157
N500K250P60(6)_9	25.80	15.00	475.00	326.00	75060	30825
N500K250P60(6)_10	31.80	13.80	497.00	383.00	75332	38297
N500K250P60(7)_1	34.20	21.60	496.00	436.00	71105	40839
N500K250P60(7)_2	32.40	24.60	488.00	325.00	70413	23149
N500K250P60(7)_3	39.60	21.00	495.00	361.00	70006	48815
N500K250P60(7)_4	31.80	21.60	494.00	417.00	70658	35315
N500K250P60(7)_5	38.40	18.60	471.00	400.00	70267	52407
N500K250P60(7)_6	36.00	20.40	496.00	445.00	70431	34195
N500K250P60(7)_7	32.40	21.00	485.00	434.00	70742	52369
N500K250P60(7)_8	36.60	22.80	486.00	414.00	70478	29927
N500K250P60(7)_9	35.40	16.80	480.00	493.00	70309	60472
N500K250P60(7)_10	32.40	17.40	497.00	452.00	70501	68233
N500K250P60(8)_1	30.60	24.00	476.00	414.00	71959	39689
N500K250P60(8)_2	32.40	21.00	493.00	339.00	71962	71026
N500K250P60(8)_3	36.00	24.60	491.00	402.00	71464	25265
N500K250P60(8)_4	32.40	24.60	485.00	407.00	71705	35858
N500K250P60(8)_5	34.80	24.60	489.00	345.00	71245	41209
N500K250P60(8)_6	32.40	25.20	494.00	405.00	71278	30402
N500K250P60(8)_7	34.20	$\frac{26.40}{24.00}$	496.00	400.00	71547	23102 36349
N500K250P60(8)_8 N500K250P60(8)_9	37.20	24.00	485.00	450.00 445.00	71577 71559	37197
N500K250P60(8)_9 N500K250P60(8)_10	33.60	22.80	479.00	397.00	71526	53302
N500K250P60(8)_10	30.00	18.60	469.00	405.00	74460	74039
N500K250P60(9)_1 N500K250P60(9)_2	31.20	17.40	494.00	473.00	74992	74709
N500K250P60(9)_2 N500K250P60(9)_3	28.80	20.40	480.00	420.00	74842	42489
N500K250P60(9)_4	25.20	$\frac{20.40}{16.80}$	492.00	368.00	75891	57759
N500K250P60(9)_5	30.00	21.00	498.00	413.00	74820	49702
N500K250P60(9)_6	28.80	18.00	470.00	472.00	74199	74901
N500K250P60(9)_7	28.20	18.60	484.00	355.00	74773	48837
N500K250P60(9)_8	33.00	18.60	488.00	382.00	74521	74357
N500K250P60(9)_9	27.00	26.40	485.00	349.00	75021	39643
N500K250P60(9)_10	30.00	17.40	494.00	436.00	74246	74613
N500K250P60(10)_1	34.80	27.00	484.00	449.00	71475	41028
N500K250P60(10)_2	37.20	27.00	481.00	380.00	71496	39090
N500K250P60(10)_3	34.20	26.40	481.00	466.00	71922	30370
N500K250P60(10)_4	35.40	25.20	481.00	421.00	71752	34866
N500K250P60(10)_5	28.80	22.20	493.00	429.00	72157	71865
N500K250P60(10)_6	33.60	25.20	492.00	385.00	71968	38303
N500K250P60(10)_7	34.20	27.00	487.00	356.00	71833	40992
N500K250P60(10)_8	36.00	27.00	494.00	363.00	71354	41102
N500K250P60(10)_9	36.60	27.00	490.00	437.00	71457	27558
N500K250P60(10)_10	36.00	25.80	483.00	425.00	71274	54164
N500K250P70(1)_1	32.90	15.40	480.00	399.00	74695	47237
N500K250P70(1)_2	32.90	14.70	483.00	404.00	74619	74794
N500K250P70(1)_3	30.80	13.30	497.00	428.00	74803	54898
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	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K250P70(1)_4	37.80	14.70	497.00	432.00	74798	74940
N500K250P70(1)_5	33.60	17.50	494.00	431.00	74974	37437
N500K250P70(1)_6	30.80	14.70	463.00	444.00	74601	61975
N500K250P70(1)_7	30.80	13.30	480.00	411.00	74779	67433
N500K250P70(1)_8	27.30	14.70	497.00	442.00	75423	59327
N500K250P70(1)_9	35.00	17.50	484.00	418.00	75124	44645
N500K250P70(1)_10	28.70	12.60	494.00	467.00	75950	66561
N500K250P70(2)_1	28.70	14.00	488.00	405.00	75323	54674
N500K250P70(2)_2	33.60	14.00	490.00	469.00	74700	33756
N500K250P70(2)_3	29.40	12.60	495.00	425.00	74856	39205
N500K250P70(2)_4	29.40	15.40	484.00	439.00	75282	47989
N500K250P70(2)_5	28.70	15.40	494.00	425.00	75617	40119
N500K250P70(2)_6	33.60	15.40	469.00	406.00	75067	45610
N500K250P70(2)_7	34.30	17.50	490.00	403.00	75255	39733
N500K250P70(2)_8	28.70	13.30	494.00	412.00	75903	54102
N500K250P70(2)_9	23.80	15.40	491.00	432.00	75924	40140
N500K250P70(2)_10	30.80	14.00	480.00	493.00	75133	31201
N500K250P70(3) ₋ 1	32.20	19.60	490.00	446.00	75317	74852
N500K250P70(3)_2	29.40	18.20	494.00	387.00	75169	74551
N500K250P70(3)_3	35.70	18.90	472.00	429.00	74541	74840
N500K250P70(3)_4	31.50	17.50	486.00	413.00	75529	73619
N500K250P70(3)_5	31.50	18.90	493.00	448.00	75102	75252
N500K250P70(3)_6	36.40	18.20	483.00	409.00	75142	75195
N500K250P70(3)_7	32.90	18.90	492.00	407.00	75368	74948
N500K250P70(3)_8	33.60	19.60	496.00	467.00	75032	75189
N500K250P70(3)_9	37.10	20.30	489.00	396.00	74643	64792
N500K250P70(3)_10	31.50	19.60	489.00	418.00	75186	74990
N500K250P70(4)_1	32.90	21.00	486.00	460.00	75010	56034
N500K250P70(4)_2	33.60	21.70	480.00	345.00	74543	40457
N500K250P70(4)_3	34.30	19.60	491.00	451.00	74578	52155
N500K250P70(4)_4	32.20	20.30	497.00	384.00	74919	50837
N500K250P70(4)_5	32.20	21.70	485.00	451.00	75090	33411
N500K250P70(4)_6	31.50	21.00	490.00	468.00	74387	47339
N500K250P70(4)_7	36.40	18.20	486.00	370.00	74424	50207
N500K250P70(4)_8	38.50	18.90	495.00	413.00	74155	66265
N500K250P70(4)_9	35.00	19.60	482.00	475.00	74605	61901
N500K250P70(4)_10	45.50	21.00	476.00	450.00	73371	52662
N500K250P70(5)_1	30.80	11.20	499.00	420.00	74392	24461
N500K250P70(5)_2	32.90	11.90	499.00	424.00	73977	33737
N500K250P70(5)_3	30.80	9.10	481.00	386.00	74330	38593
N500K250P70(5)_4 N500K250P70(5)_5	38.50 33.60	$\frac{11.20}{10.50}$	470.00 486.00	405.00 361.00	73751 74192	43086 30926
N500K250P70(5)_5 N500K250P70(5)_6	32.20	11.90	486.00	445.00	74192	31293
N500K250P70(5)_0 N500K250P70(5)_7	33.60	10.50	488.00	356.00	74104	34578
N500K250P70(5)_8	31.50	11.90	491.00	469.00	73995	29018
N500K250P70(5)_9	32.90	11.20	491.00	435.00	73957	21421
N500K250P70(5)_10	34.30	10.50	485.00	401.00	73905	34977
N500K250P70(6)_1	30.80	16.10	496.00	413.00	76224	48941
N500K250P70(6)_2	32.20	16.80	489.00	341.00	75734	38162
N500K250P70(6)_3	29.40	15.40	485.00	419.00	75981	43672
N500K250P70(6)_4	38.50	14.70	481.00	464.00	75133	47942
N500K250P70(6)_5	32.90	15.40	485.00	416.00	75900	48503
N500K250P70(6)_6	32.90	18.20	489.00	409.00	75435	29449
N500K250P70(6)_7	25.90	16.10	475.00	428.00	76190	47461
N500K250P70(6)_8	30.10	18.20	492.00	402.00	75663	25897
N500K250P70(6)_9	32.90	14.00	494.00	445.00	75809	64619
N500K250P70(6)_10	31.50	$\frac{14.00}{15.40}$	486.00	416.00	75647	51045
11300112301 /0(0)_10	91.00	10.40	100.00	110.00	13041	01040

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K250P70(7)_1	39.90	27.30	492.00	424.00	70214	34852
N500K250P70(7)_2	39.20	24.50	486.00	437.00	70135	41170
N500K250P70(7)_3	41.30	20.30	490.00	394.00	70225	70889
N500K250P70(7)_4	35.00	22.40	492.00	466.00	70476	51912
N500K250P70(7)_5	37.10	23.10	480.00	473.00	70497	58192
N500K250P70(7)_6	38.50	28.00	471.00	379.00	70236	23215
N500K250P70(7)_7	39.20	23.10	495.00	432.00	70480	32413
N500K250P70(7)_8	42.70	25.20	481.00	436.00	70158	27200
N500K250P70(7)_9	39.20	23.80	496.00	452.00	70366	41059
N500K250P70(7)_10	42.00	22.40	497.00	394.00	70064	39583
N500K250P70(8)_1	36.40	28.00	497.00	336.00	71767	51709
N500K250P70(8)_2	39.90	28.00	480.00	458.00	71545	26838
N500K250P70(8)_3	39.90	28.00	491.00	422.00	71632	45818
N500K250P70(8)_4	42.70	27.30	498.00	342.00	71346	45092
N500K250P70(8)_5	37.80	25.90	484.00	321.00	71842	51551
N500K250P70(8)_6	36.40	26.60	493.00	426.00	71911	56597
N500K250P70(8)_7	42.00	27.30	471.00	438.00	70889	31415
N500K250P70(8)_8	37.80	30.80	493.00	424.00	72263	31550
N500K250P70(8)_9	42.70	27.30	490.00	404.00	71754	50002
N500K250P70(8)_10	36.40	28.70	492.00	475.00	71789	44239
N500K250P70(9)_1	39.90	21.70	488.00	481.00	74340	44801
N500K250P70(9)_2	32.20	16.80	476.00	473.00	74682	75366
N500K250P70(9)_3	37.80	18.90	488.00	399.00	74181	63151
N500K250P70(9)_4	32.90	23.80	493.00	400.00	74901	59859
N500K250P70(9)_5	32.90	21.00	489.00	451.00	75064	50163
N500K250P70(9)_6	37.10	24.50	484.00	463.00	74539	39808
N500K250P70(9)_7	32.20	23.80	492.00	422.00	74990	49267
N500K250P70(9)_8	37.10	20.30	496.00	360.00	75018	73981
N500K250P70(9)_9	32.20	21.00	491.00	442.00	75981	75458
N500K250P70(9)_10	31.50	21.00	474.00	446.00	74870	39730
N500K250P70(10)_1	44.80	30.10	481.00	419.00	71082	35518
N500K250P70(10)_2	37.80	33.60	480.00	420.00	71927	35061
N500K250P70(10)_3	43.40	31.50	490.00	471.00	71368	28338
N500K250P70(10)_4	43.40	30.10	490.00	495.00	71344	64537
N500K250P70(10)_5	39.20	30.80	478.00	368.00	71880	46549
N500K250P70(10)_6	41.30	29.40	483.00	423.00	71542	41190
N500K250P70(10)_7	41.30	30.80	491.00	405.00	71298	33663
N500K250P70(10)_8 N500K250P70(10)_9	43.40	29.40	495.00	464.00	71158	42374
N500K250P70(10)_9 N500K250P70(10)_10	39.90 35.00	30.10	500.00	354.00	71862 72000	59666
N500K250P80(1)_1		31.50	476.00 499.00	448.00 497.00	75404	49976 77291
N500K250P80(1)_1 N500K250P80(1)_2	38.33 37.60	$\frac{24.41}{26.67}$	496.00	486.00	75641	77402
N500K250P80(1)_2 N500K250P80(1)_3	40.72	26.01	496.00	486.00	75737	76863
N500K250P80(1)_4	45.02	$\frac{25.34}{25.34}$	495.00	489.00	75290	77452
N500K250P80(1)_5	37.61	$\frac{25.34}{27.38}$	496.00	492.00	75821	77255
N500K250P80(1)_6	43.39	29.01	496.00	484.00	75394	77356
N500K250P80(1)_7	39.10	$\frac{25.01}{25.16}$	499.00	483.00	75412	77471
N500K250P80(1)_8	38.89	$\frac{25.10}{27.48}$	497.00	486.00	75390	77381
N500K250P80(1)_9	39.84	25.20	489.00	468.00	75148	77201
N500K250P80(1)_10	37.37	$\frac{25.20}{25.18}$	484.00	497.00	75703	77394
N500K250P80(2)_1	42.79	$\frac{23.18}{24.55}$	494.00	497.00	76111	77888
N500K250P80(2)_2	40.00	$\frac{24.33}{23.87}$	496.00	499.00	75554	77589
N500K250P80(2)_3	41.31	$\frac{23.87}{22.93}$	489.00	459.00	75788	77628
N500K250P80(2)_4	38.17	$\frac{22.93}{24.50}$	493.00	489.00	76233	77882
N500K250P80(2)_5	35.83	$\frac{24.50}{25.91}$	495.00	488.00	76399	78150
N500K250P80(2)_6	39.68	$\frac{23.91}{22.96}$	494.00	455.00	76105	77589
N500K250P80(2)_7	42.17	24.41	499.00	490.00	75444	77930
11300112301 00(2)_/	12.11	± 1.11	100.00	100.00	10111	11000

Notation	GGA 77756 77316 78071 76754
N500K250P80(2)_9	77316 78071 76754
N500K250P80(2)_9	77316 78071 76754
N500K250P80(3)_1 39.03 41.11 497.00 496.00 75676 N500K250P80(3)_2 43.60 42.80 497.00 498.00 75393 N500K250P80(3)_3 41.24 35.16 494.00 500.00 75894 N500K250P80(3)_4 37.47 38.68 495.00 499.00 76173 N500K250P80(3)_5 42.69 46.57 500.00 472.00 76678 N500K250P80(3)_6 39.84 49.86 493.00 480.00 76291 N500K250P80(3)_7 39.78 45.03 499.00 497.00 76076 N500K250P80(3)_8 39.24 39.75 495.00 499.00 75752 N500K250P80(3)_9 38.76 40.71 490.00 493.00 75987 N500K250P80(3)_10 39.10 45.72 496.00 489.00 75450 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 495.00 76078 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_1 40.65 27.13 497.00 435.00 75526 N500K250P80(4)_1 40.65 27.13 497.00 435.00 75266 N500K250P80(4)_1 48.37 29.36 496.00 482.00 75452 N500K250P80(4)_1 48.37 29.36 496.00 482.00 75452 N500K250P80(4)_1 48.37 29.36 496.00 482.00 75452 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	78071 76754
N500K250P80(3)_1 39.03 41.11 497.00 496.00 75676 N500K250P80(3)_2 43.60 42.80 497.00 498.00 75393 N500K250P80(3)_3 41.24 35.16 494.00 500.00 75894 N500K250P80(3)_4 37.47 38.68 495.00 499.00 76173 N500K250P80(3)_5 42.69 46.57 500.00 472.00 76678 N500K250P80(3)_6 39.84 49.86 493.00 480.00 76291 N500K250P80(3)_7 39.78 45.03 499.00 497.00 76076 N500K250P80(3)_8 39.24 39.75 495.00 496.00 75752 N500K250P80(3)_10 39.10 45.72 496.00 489.00 75662 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76078	76754
N500K250P80(3)_2 43.60 42.80 497.00 498.00 75393 N500K250P80(3)_3 41.24 35.16 494.00 500.00 75894 N500K250P80(3)_4 37.47 38.68 495.00 499.00 76173 N500K250P80(3)_5 42.69 46.57 500.00 472.00 76678 N500K250P80(3)_6 39.84 49.86 493.00 480.00 76291 N500K250P80(3)_7 39.78 45.03 499.00 497.00 76076 N500K250P80(3)_8 39.24 39.75 495.00 496.00 75752 N500K250P80(3)_9 38.76 40.71 490.00 493.00 75987 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76078 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078	
N500K250P80(3)_3 41.24 35.16 494.00 500.00 75894 N500K250P80(3)_4 37.47 38.68 495.00 499.00 76173 N500K250P80(3)_5 42.69 46.57 500.00 472.00 76678 N500K250P80(3)_6 39.84 49.86 493.00 480.00 76291 N500K250P80(3)_7 39.78 45.03 499.00 497.00 76076 N500K250P80(3)_8 39.24 39.75 495.00 496.00 75752 N500K250P80(3)_9 38.76 40.71 490.00 493.00 75987 N500K250P80(3)_10 39.10 45.72 496.00 489.00 75762 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76078 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078	76707
N500K250P80(3).4 37.47 38.68 495.00 499.00 76173 N500K250P80(3).5 42.69 46.57 500.00 472.00 76678 N500K250P80(3).6 39.84 49.86 493.00 480.00 76291 N500K250P80(3).7 39.78 45.03 499.00 497.00 76076 N500K250P80(3).8 39.24 39.75 495.00 496.00 75752 N500K250P80(3).9 38.76 40.71 490.00 493.00 75987 N500K250P80(3).10 39.10 45.72 496.00 489.00 75762 N500K250P80(4).1 41.91 24.86 497.00 483.00 75450 N500K250P80(4).2 39.21 46.96 500.00 486.00 75311 N500K250P80(4).3 41.32 25.08 499.00 455.00 76078 N500K250P80(4).4 37.65 24.99 499.00 455.00 75142 N500K250P80(4).5 44.49 28.79 500.00 480.00 75142	77480
N500K250P80(3).5 42.69 46.57 500.00 472.00 76678 N500K250P80(3).6 39.84 49.86 493.00 480.00 76291 N500K250P80(3).7 39.78 45.03 499.00 497.00 76076 N500K250P80(3).8 39.24 39.75 495.00 496.00 75752 N500K250P80(3).9 38.76 40.71 490.00 493.00 75987 N500K250P80(3).10 39.10 45.72 496.00 489.00 75762 N500K250P80(4).1 41.91 24.86 497.00 483.00 75450 N500K250P80(4).2 39.21 46.96 500.00 486.00 75311 N500K250P80(4).3 41.32 25.08 499.00 404.00 76008 N500K250P80(4).4 37.65 24.99 499.00 455.00 76078 N500K250P80(4).5 44.49 28.79 500.00 480.00 75142 N500K250P80(4).6 40.57 26.46 485.00 399.00 75509	77179
N500K250P80(3).6 39.84 49.86 493.00 480.00 76291 N500K250P80(3).7 39.78 45.03 499.00 497.00 76076 N500K250P80(3).8 39.24 39.75 495.00 496.00 75752 N500K250P80(3).9 38.76 40.71 490.00 493.00 75987 N500K250P80(3).10 39.10 45.72 496.00 489.00 75762 N500K250P80(4).1 41.91 24.86 497.00 483.00 75450 N500K250P80(4).2 39.21 46.96 500.00 486.00 75311 N500K250P80(4).3 41.32 25.08 499.00 404.00 76008 N500K250P80(4).4 37.65 24.99 499.00 455.00 76078 N500K250P80(4).5 44.49 28.79 500.00 480.00 75142 N500K250P80(4).6 40.57 26.46 485.00 399.00 75509 N500K250P80(4).8 42.27 27.08 499.00 435.00 75423	76449
N500K250P80(3)_7 39.78 45.03 499.00 497.00 76076 N500K250P80(3)_8 39.24 39.75 495.00 496.00 75752 N500K250P80(3)_9 38.76 40.71 490.00 493.00 75987 N500K250P80(3)_10 39.10 45.72 496.00 489.00 75762 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76008 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_1 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_1 40.70 27.76 493.00 486.00 75745	76483
N500K250P80(3)_8 39.24 39.75 495.00 496.00 75752 N500K250P80(3)_9 38.76 40.71 490.00 493.00 75987 N500K250P80(3)_10 39.10 45.72 496.00 489.00 75762 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76008 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 486.00 75745 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025	
N500K250P80(3)_9 38.76 40.71 490.00 493.00 75987 N500K250P80(3)_10 39.10 45.72 496.00 489.00 75762 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76008 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025	76949
N500K250P80(3)_10 39.10 45.72 496.00 489.00 75762 N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76008 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774	76902
N500K250P80(4)_1 41.91 24.86 497.00 483.00 75450 N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76008 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75266 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145	77109
N500K250P80(4)_2 39.21 46.96 500.00 486.00 75311 N500K250P80(4)_3 41.32 25.08 499.00 404.00 76008 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145	76648
N500K250P80(4)_3 41.32 25.08 499.00 404.00 76008 N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145	77219
N500K250P80(4)_4 37.65 24.99 499.00 455.00 76078 N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377	76418
N500K250P80(4)_5 44.49 28.79 500.00 480.00 75142 N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367 <td>76041</td>	76041
N500K250P80(4)_6 40.57 26.46 485.00 399.00 75509 N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	77009
N500K250P80(4)_7 40.65 27.13 497.00 435.00 75423 N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76699
N500K250P80(4)_8 42.27 27.08 499.00 435.00 75266 N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76261
N500K250P80(4)_9 40.70 27.76 493.00 486.00 75745 N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76727
N500K250P80(4)_10 48.37 29.36 496.00 482.00 74834 N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76927
N500K250P80(5)_1 39.62 21.47 494.00 460.00 75025 N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	77423
N500K250P80(5)_2 46.71 29.77 480.00 480.00 73991 N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76584
N500K250P80(5)_3 35.67 28.98 493.00 492.00 74774 N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76627
N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76790
N500K250P80(5)_4 40.51 22.11 495.00 473.00 75145 N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76394
N500K250P80(5)_5 47.65 39.01 499.00 494.00 74377 N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	76715
N500K250P80(5)_6 44.27 21.66 497.00 399.00 74367	75803
	75570
	76599
N500K250P80(5)_8 43.66 17.60 497.00 477.00 74178	77275
N500K250P80(5)_9 35.77 20.61 498.00 443.00 75598	76939
N500K250P80(5)_10 41.36 28.91 495.00 487.00 75243	76832
N500K250P80(6)_1 39.15 25.98 496.00 452.00 76773	77925
N500K250P80(6)-2 44.95 26.68 497.00 440.00 76317	77593
N500K250F80(6)-2 44.35 26.08 457.00 440.00 76686 N500K250P80(6)-3 40.32 24.41 498.00 458.00 76686	77913
N500K250P80(6)_4 39.82 25.17 497.00 451.00 76538	78001
N500K250F80(6)_5 38.85 26.85 495.00 492.00 76500	77931
N 1	78218
N500K250P80(6)_6 34.37 25.17 496.00 478.00 76657 N500K250P80(6)_7 42.74 25.33 491.00 467.00 76052	78218
N500K250P80(6)_7 42.74 25.33 491.00 407.00 76052 N500K250P80(6)_8 41.44 29.07 490.00 433.00 76140	78104
N500K250P80(6)_8 41.44 29.07 490.00 433.00 76140 N500K250P80(6)_9 37.49 26.82 500.00 381.00 76401	78104
N500K250P80(6)_10 44.27 26.77 500.00 446.00 76042	77858
N500K250P80(7)_1 46.13 34.80 496.00 477.00 70807	73529
N500K250P80(7)_2 46.99 37.08 496.00 485.00 71005	73589
N500K250P80(7)_3 46.84 33.98 492.00 445.00 71068	73180
N500K250P80(7)_4 47.57 43.98 498.00 494.00 71119	73240
N500K250P80(7)_5 45.47 35.66 494.00 474.00 71416	73302
N500K250P80(7)_6 46.94 34.58 499.00 485.00 70769	73613
N500K250P80(7)_7 49.88 36.25 495.00 485.00 71089	73455
N500K250P80(7)_8 48.12 35.60 496.00 465.00 71069	73126
N500K250P80(7)_9 45.31 36.18 493.00 460.00 71408	73334
N500K250P80(7)_10 43.83 37.91 497.00 482.00 71012	73991
N500K250P80(8)_1 49.85 36.04 488.00 450.00 71733	73685
N500K250P80(8)_2 49.21 35.17 498.00 485.00 71986	74523
N500K250P80(8)_3 51.33 34.36 494.00 436.00 72281	73861
N500K250P80(8)_4 49.03 35.07 498.00 452.00 72221	74311

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K250P80(8)_5	48.40	35.17	499.00	462.00	71700	74082
N500K250P80(8)_6	55.24	49.63	497.00	482.00	72029	73846
N500K250P80(8)_7	45.91	33.65	492.00	486.00	72445	74649
N500K250P80(8)_8	50.03	36.57	486.00	490.00	71757	74313
N500K250P80(8)_9	42.40	35.12	500.00	398.00	72542	73805
N500K250P80(8)_10	52.38	32.26	496.00	439.00	71552	74010
N500K250P80(9)_1	42.15	28.46	498.00	498.00	75371	76201
N500K250P80(9)_2	44.32	26.08	491.00	451.00	75166	76599
N500K250P80(9)_3	42.99	28.49	492.00	493.00	75772	76154
N500K250P80(9)_4	45.96	25.91	495.00	472.00	75254	76982
N500K250P80(9)_5	44.34	30.75	484.00	446.00	75040	75981
N500K250P80(9)_6	47.58	31.56	499.00	485.00	74966	75941
N500K250P80(9)_7	41.96	27.04	494.00	473.00	75418	76704
N500K250P80(9)_8	44.05	29.93	497.00	414.00	75377	75691
N500K250P80(9)_9	44.97	30.62	500.00	440.00	75600	76130
N500K250P80(9)_10	42.98	31.76	497.00	456.00	75197	76230
N500K250P80(10)_1	54.46	41.86	496.00	490.00	72152	74196
N500K250P80(10)_2	46.91	42.63	494.00	492.00	72208	74158
N500K250P80(10)_3	50.64	48.62	498.00	479.00	72374	73764
N500K250P80(10)_4	50.70	42.48	494.00	486.00	72111	74358
N500K250P80(10)_5	51.57	41.14	493.00	481.00	72246	74035
N500K250P80(10)_6	53.10	41.74	496.00	496.00	71668	74554
N500K250P80(10)_7	49.28	40.48	497.00	499.00	72009	74282
N500K250P80(10)_8	51.49	41.85	492.00	474.00	71929	74247
N500K250P80(10)_9 N500K250P80(10)_10	50.02	51.79 42.55	496.00 498.00	494.00	72617	73157 73593
N500K300P50(1)_1	40.50	29.50	498.00	430.00	71952 77585	77597
N500K300P50(1)_1 N500K300P50(1)_2	40.00	$\frac{29.50}{32.50}$	490.00	425.00	77209	37417
N500K300P50(1)_3	43.00	$\frac{32.50}{27.50}$	470.00	453.00	76984	77974
N500K300P50(1)_4	39.50	$\frac{27.50}{27.50}$	491.00	466.00	77195	78183
N500K300P50(1)_5	37.50	29.00	483.00	478.00	77348	72413
N500K300P50(1)_6	34.00	28.00	494.00	438.00	77912	77782
N500K300P50(1)_7	42.00	29.50	491.00	492.00	76589	78038
N500K300P50(1)_8	41.00	32.50	497.00	412.00	77239	60480
N500K300P50(1)_9	40.00	30.50	492.00	451.00	77676	67749
N500K300P50(1)_10	42.00	29.50	491.00	412.00	76585	65784
N500K300P50(2)_1	41.50	29.00	485.00	429.00	76363	71640
N500K300P50(2)_2	43.00	29.00	493.00	424.00	76232	60761
N500K300P50(2)_3	40.00	30.50	494.00	455.00	76650	76878
N500K300P50(2)_4	35.50	27.00	486.00	453.00	77152	78344
N500K300P50(2)_5	40.50	29.50	476.00	377.00	76667	63232
N500K300P50(2)_6	40.50	28.50	498.00	406.00	76918	69412
N500K300P50(2)_7	38.00	29.00	487.00	385.00	76939	77278
N500K300P50(2)_8	41.50	32.00	488.00	413.00	77012	62726
N500K300P50(2)_9	41.00	31.00	494.00	411.00	76882	66839
N500K300P50(2)_10	35.50	32.00	494.00	495.00	77491	42422
N500K300P50(3)_1	41.00	27.50	482.00	416.00	76991	78966
N500K300P50(3)_2	44.50	32.00	487.00	405.00	77002	77686
N500K300P50(3)_3	40.50	31.00	497.00	418.00	77315	77775
N500K300P50(3)_4	40.50	28.50	498.00	394.00	77324	78060
N500K300P50(3)_5	37.50	31.00	494.00	426.00	77441	77965
N500K300P50(3)_6	42.00	29.50	492.00	450.00	77343	78331
N500K300P50(3)_7	40.50	31.00	495.00	426.00	77404	77937
N500K300P50(3)_8	39.50	34.50	488.00	464.00	77416	52323
N500K300P50(3)_9	39.50	32.50	487.00	438.00	77126	78209
N500K300P50(3)_10	39.00	29.50	488.00	449.00	77451	78305
N500K300P50(4)_1	42.00	35.00	475.00	427.00	76406	59237

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K300P50(4)_2	45.00	36.00	477.00	470.00	76086	49567
N500K300P50(4)_3	42.00	33.50	492.00	475.00	76148	71443
N500K300P50(4)_4	40.00	33.50	478.00	382.00	76644	76262
N500K300P50(4)_5	44.50	31.50	478.00	387.00	75902	76316
N500K300P50(4)_6	41.50	33.00	486.00	407.00	75919	76486
N500K300P50(4)_7	45.50	35.50	484.00	412.00	75601	55076
N500K300P50(4)_8	39.50	35.50	486.00	471.00	76985	54442
N500K300P50(4)_9	42.00	34.00	489.00	467.00	76358	56924
N500K300P50(4)_10	45.00	34.00	492.00	470.00	75969	70110
N500K300P50(5)_1	46.50	29.00	490.00	466.00	75265	42315
N500K300P50(5)_2	42.00	28.00	500.00	464.00	75600	45760
N500K300P50(5)_3	42.50	31.00	495.00	486.00	75826	34229
N500K300P50(5)_4	43.00	25.50	487.00	426.00	75856	61094
N500K300P50(5)_5	38.00	28.50	494.00	453.00	76130	36013
N500K300P50(5)_6	38.50	29.00	498.00	473.00	76008	56980
N500K300P50(5)_7	42.50	29.00	490.00	389.00	75486	37405
N500K300P50(5)_8	42.00	28.50	495.00	418.00	75453	28844
N500K300P50(5)_9	40.50	27.50	485.00	441.00	75567	60655
N500K300P50(5)_10	41.50	28.00	493.00	479.00	75238	71340
N500K300P50(6)_1	39.00	28.50	490.00	449.00	78408	56574
N500K300P50(6)_2	38.00	29.50	495.00	441.00	77989	45408
N500K300P50(6)_3	38.00	25.50	493.00	482.00	78085	79703
N500K300P50(6)_4	38.00	28.00	499.00	463.00	78619	71759
N500K300P50(6)_5	39.50	26.50	486.00	467.00	77768	79439
N500K300P50(6)_6	34.50	29.00	489.00	466.00	78347	55759
N500K300P50(6)_7	40.50	30.00	490.00	455.00	78598	54137
N500K300P50(6)_8 N500K300P50(6)_9	39.50	27.00 30.00	494.00 488.00	452.00	78169	79313 32450
N500K300P50(6)_9	40.50 38.50	28.00	480.00	380.00 373.00	78202 78182	55109
N500K300P50(7)_1	44.50	33.50	495.00	402.00	72569	73691
N500K300P50(7)_2	46.00	33.50	493.00	457.00	72804	74155
N500K300P50(7)_3	46.00	38.00	482.00	431.00	72503	52661
N500K300P50(7)_4	44.50	34.50	489.00	420.00	72607	73838
N500K300P50(7)_5	45.50	35.00	493.00	408.00	72546	73339
N500K300P50(7)_6	43.50	35.50	492.00	481.00	72698	63255
N500K300P50(7)_7	48.00	35.00	479.00	473.00	72337	74503
N500K300P50(7)_8	47.50	36.50	491.00	404.00	72289	60986
N500K300P50(7)_9	46.50	37.00	493.00	423.00	72699	47180
N500K300P50(7)_10	46.50	35.50	477.00	424.00	72123	60680
N500K300P50(8)_1	48.50	39.00	483.00	457.00	73363	75082
N500K300P50(8)_2	46.00	38.00	495.00	449.00	74389	75115
N500K300P50(8)_3	47.50	38.50	487.00	469.00	73644	46262
N500K300P50(8)_4	43.50	37.50	485.00	397.00	74162	64416
N500K300P50(8)_5	45.00	40.50	499.00	438.00	74226	45458
N500K300P50(8)_6	44.00	40.50	477.00	450.00	74320	61664
N500K300P50(8)_7	48.50	39.00	498.00	400.00	73777	73865
N500K300P50(8)_8	43.00	39.00	498.00	478.00	74574	53451
N500K300P50(8)_9	46.00	39.00	494.00	490.00	74031	73313
N500K300P50(8)_10	47.50	36.50	496.00	486.00	73683	74561
N500K300P50(9)_1	43.00	34.00	493.00	474.00	76405	66194
N500K300P50(9)_2	43.00	31.50	480.00	462.00	76209	77074
N500K300P50(9)_3	42.00	32.50	478.00	426.00	76051	76546
N500K300P50(9)_4	45.00	32.00	496.00	459.00	76103	77165
N500K300P50(9)_5	43.50	33.50	494.00	417.00	76112	57415
N500K300P50(9)_6	42.50	32.00	492.00	464.00	76500	77296
N500K300P50(9)_7	43.50	35.50	496.00	464.00	76816	75292
N500K300P50(9)_8	40.00	31.00	497.00	469.00	77056	77423

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K300P50(9)_9	40.50	33.00	491.00	385.00	76847	76753
N500K300P50(9)_10	42.50	34.00	490.00	423.00	76066	71211
N500K300P50(10)_1	50.00	41.00	495.00	436.00	73560	56700
N500K300P50(10)_2	48.50	40.50	494.00	413.00	73444	55832
N500K300P50(10)_3	46.00	41.00	471.00	383.00	74071	73436
N500K300P50(10)_4	46.00	40.00	492.00	406.00	74536	69873
N500K300P50(10)_5	48.00	41.50	493.00	453.00	73650	69660
N500K300P50(10)_6	49.00	40.00	493.00	437.00	73347	71395
N500K300P50(10)_7	47.00	37.50	496.00	425.00	73543	74345
N500K300P50(10)_8	47.50	41.50	488.00	448.00	73614	74353
N500K300P50(10)_9	49.00	42.00	493.00	387.00	74162	62025
N500K300P50(10)_10	46.00	39.50	493.00	414.00	74294	74000
N500K300P60(1)_1	51.60	33.60	487.00	478.00	76768	78736
N500K300P60(1)_2	46.80	36.60	488.00	408.00	77124	77305
N500K300P60(1)_3	47.40	36.00	493.00	462.00	76818	61554
N500K300P60(1)_4	49.80	34.20	498.00	423.00	76945	59488
N500K300P60(1)_5	50.40	33.00	484.00	470.00	76861	78334
N500K300P60(1)_6	49.80	40.20	488.00	458.00	76890	32222
N500K300P60(1)_7	46.80	35.40	486.00	488.00	77318	78197
N500K300P60(1)_8	45.60	35.40	489.00	452.00	77479	64891
N500K300P60(1)_9	48.00	34.80	492.00 496.00	421.00	77108	77885
N500K300P60(1)_10 N500K300P60(2)_1	45.00 48.60	36.00 37.20	483.00	397.00 458.00	77072 76844	77638 51971
N500K300P60(2)_1 N500K300P60(2)_2	48.00	36.60	487.00	440.00	76811	48828
N500K300F60(2)_2 N500K300P60(2)_3	47.40	36.00	497.00	465.00	76556	41177
N500K300P60(2)_3	46.20	34.20	493.00	463.00	76864	60591
N500K300P60(2)_5	43.20	34.80	484.00	420.00	76792	74031
N500K300P60(2)_6	46.20	36.60	495.00	455.00	76881	46796
N500K300P60(2)_7	47.40	34.80	493.00	433.00	76764	69774
N500K300P60(2)_8	50.40	34.20	483.00	390.00	76552	77806
N500K300P60(2)_9	48.60	36.60	495.00	485.00	77107	54521
N500K300P60(2)_10	49.20	37.80	487.00	455.00	76314	45630
N500K300P60(3)_1	46.80	32.40	495.00	441.00	77404	78472
N500K300P60(3)_2	50.40	37.20	486.00	464.00	77356	78337
N500K300P60(3)_3	45.00	38.40	497.00	436.00	77877	77908
N500K300P60(3)_4	48.00	32.40	492.00	421.00	77340	78388
N500K300P60(3)_5	46.20	34.20	487.00	487.00	77379	79050
N500K300P60(3)_6	49.80	39.60	478.00	419.00	77282	78137
N500K300P60(3)_7	49.20	37.80	490.00	430.00	77262	78559
N500K300P60(3)_8	48.00	34.80	479.00	432.00	77149	78649
N500K300P60(3)_9	48.00	36.60	493.00	449.00	77449	78081
N500K300P60(3)_10	44.40	35.40	493.00	430.00	77573	78107
N500K300P60(4)_1	52.20	40.80	497.00	381.00	76175	59460
N500K300P60(4)_2	48.60	42.00	488.00	483.00	76264	42514
N500K300P60(4)_3	48.60	40.20	492.00	434.00	76483	66393
N500K300P60(4)_4	51.60	39.00	487.00	485.00	76767	57209
N500K300P60(4)_5	48.00	40.80	489.00	441.00	76648	66752
N500K300P60(4)_6	47.40	39.60	491.00	389.00	76493	76537
N500K300P60(4)_7	52.20	40.20	491.00	459.00	76259	60147
N500K300P60(4)_8	51.00	42.00	483.00	414.00	75967	54061
N500K300P60(4)_9	52.80	42.60	490.00	390.00	76380	70859
N500K300P60(4)_10	45.60	39.60	487.00	449.00	76959	76272
N500K300P60(5)_1 N500K300P60(5)_2	47.40 48.60	33.60 35.40	487.00 496.00	468.00 415.00	75566 75838	67293 44508
N500K300P60(5)_2 N500K300P60(5)_3	50.40	$\frac{35.40}{35.40}$	496.00	479.00	75546	38526
N500K300P60(5)_4	49.20	39.60	494.00	442.00	75852	24152
N500K300P60(5)_5	49.20	35.40	488.00	456.00	75747	45947
1130013001 00(3)_3	43.40	55.40	400.00	400.00	19141	40341

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K300P60(5)_6	51.60	31.20	490.00	408.00	75887	60137
N500K300P60(5)_7	51.60	33.60	476.00	478.00	75456	35979
N500K300P60(5)_8	53.40	37.20	472.00	477.00	75192	35406
N500K300P60(5)_9	50.40	34.20	482.00	406.00	75859	41436
N500K300P60(5)_10	51.00	33.60	476.00	397.00	75252	45573
N500K300P60(6)_1	48.60	33.00	496.00	414.00	77895	79440
N500K300P60(6)_2	51.00	31.80	480.00	402.00	77547	78916
N500K300P60(6)_3	46.20	33.00	496.00	465.00	77988	78746
N500K300P60(6)_4	45.60	33.60	498.00	499.00	78197	70839
N500K300P60(6)_5	45.60	32.40	488.00	428.00	79143	61729
N500K300P60(6)_6	48.60	37.80	483.00	483.00	77754	63168
N500K300P60(6)_7	42.00	32.40	485.00	439.00	79013	62528
N500K300P60(6)_8	48.60	28.80	484.00	424.00	77389	79066
N500K300P60(6)_9	46.20	31.80	482.00	404.00	78375	78992
N500K300P60(6)_10	42.60	33.60	496.00	457.00	78452	59745
N500K300P60(7)_1	56.40	43.20	490.00	385.00	72163	62027
N500K300P60(7)_2	56.40	42.60	495.00	456.00	72533	55895
N500K300P60(7)_3	58.20	48.60	489.00	454.00	71900	33157
N500K300P60(7)_4	57.60	45.00	479.00	411.00	71907	36912
N500K300P60(7)_5	54.00	43.80	486.00	433.00	72837	49751
N500K300P60(7)_6	55.80	39.60	482.00	414.00	72220	73764
N500K300P60(7)_7	55.20	42.00	485.00	439.00	72342	64935
N500K300P60(7)_8	54.00	43.20	483.00	402.00	72567	73612
N500K300P60(7)_9	54.60	40.80	488.00	463.00	72716	73258
N500K300P60(7)_10	58.80	45.00	499.00	454.00	72598	40903
N500K300P60(8)_1	55.80	46.80	493.00	445.00	74011	44910
N500K300P60(8)_2	55.20	45.00	494.00	463.00	73804	52425
N500K300P60(8)_3 N500K300P60(8)_4	55.80 53.40	$\frac{47.40}{52.80}$	486.00 487.00	436.00 468.00	73492	53955 44200
N500K300P60(8)_4 N500K300P60(8)_5	55.20	48.00	487.00	426.00	73491 73977	58832
N500K300P60(8)_5	58.20	44.40	485.00	391.00	73447	74380
N500K300P60(8)_7	55.80	48.00	491.00	487.00	74178	36419
N500K300P60(8)_8	56.40	48.00	495.00	434.00	74206	61016
N500K300P60(8)_9	52.80	45.00	499.00	390.00	73896	68122
N500K300P60(8)_10	55.20	43.20	483.00	480.00	73627	55889
N500K300P60(9)_1	51.00	39.60	498.00	442.00	76405	76927
N500K300P60(9)_2	51.60	40.80	495.00	466.00	76502	69001
N500K300P60(9)_3	47.40	38.40	482.00	473.00	76582	77213
N500K300P60(9)_4	51.00	40.20	489.00	430.00	76148	76729
N500K300P60(9)_5	52.20	38.40	494.00	473.00	76354	77304
N500K300P60(9)_6	53.40	41.40	495.00	470.00	76076	76156
N500K300P60(9)_7	47.40	41.40	487.00	409.00	76879	76561
N500K300P60(9)_8	48.00	37.80	492.00	404.00	76505	76859
N500K300P60(9)_9	52.80	39.00	487.00	476.00	76328	77146
N500K300P60(9)_10	48.00	40.80	496.00	417.00	76994	76656
N500K300P60(10)_1	55.80	51.00	471.00	406.00	73585	43240
N500K300P60(10)_2	58.80	51.60	492.00	359.00	73984	55162
N500K300P60(10)_3	55.80	48.60	486.00	482.00	73658	74617
N500K300P60(10)_4	54.60	51.60	478.00	400.00	73699	36472
N500K300P60(10)_5	55.80	49.20	489.00	415.00	73836	73691
N500K300P60(10)_6	58.20	49.20	500.00	484.00	73646	70906
N500K300P60(10)_7	59.40	51.00	495.00	436.00	73331	35341
N500K300P60(10)_8	59.40	49.20	480.00	430.00	73694	67396
N500K300P60(10)_9	57.60	48.60	492.00	419.00	73858	74002
N500K300P60(10)_10	54.60	44.40	497.00	377.00	73788	73592
N500K300P70(1)_1	53.90	41.30	490.00	420.00	77169	57809
N500K300P70(1)_2	54.60	41.30	491.00	495.00	77676	77905

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K300P70(1)_3	58.80	39.90	484.00	430.00	76574	77614
N500K300P70(1)_4	57.40	42.70	491.00	442.00	76642	77291
N500K300P70(1)_5	60.20	39.90	493.00	456.00	76659	78084
N500K300P70(1)_6	60.90	39.90	495.00	493.00	76538	77941
N500K300P70(1)_7	58.80	42.00	488.00	445.00	77248	59822
N500K300P70(1)_8	51.80	44.10	491.00	378.00	77662	47717
N500K300P70(1)_9	54.60	44.10	496.00	436.00	77134	66173
N500K300P70(1)_10	58.10	47.60	496.00	494.00	77074	44949
N500K300P70(2)_1	58.80	39.20	491.00	435.00	76844	69979
N500K300P70(2)_2	59.50	38.50	498.00	418.00	76409	77824
N500K300P70(2)_3	61.60	42.00	469.00	403.00	76488	60412
N500K300P70(2)_4	55.30	43.40	492.00	451.00	76646	68361
N500K300P70(2)_5	56.00	39.20	494.00	493.00	76943	77240
N500K300P70(2)_6	60.90	47.60	490.00	390.00	76536	41013
N500K300P70(2)_7	58.10	40.60	491.00	439.00	76538	57736
N500K300P70(2)_8	57.40	39.20	496.00	473.00	76802	78501
N500K300P70(2)_9	58.10	45.50	494.00	482.00	76477	53924
N500K300P70(2)_10	58.80	40.60	483.00	423.00	76680	77417
N500K300P70(3)_1	55.30	49.70	494.00	449.00	77488	77871
N500K300P70(3)_2	52.50	37.80	494.00	458.00	77689	78731
N500K300P70(3)_3	53.90	41.30	493.00	483.00	77023	79035
N500K300P70(3)_4	56.00	41.30	488.00	383.00	77384	77927
N500K300P70(3)_5	51.10	40.60	489.00	445.00	77748	78534
N500K300P70(3)_6	58.80	43.40	486.00	460.00	77448	78288
N500K300P70(3)_7	54.60	44.80	492.00	395.00	77269	77964
N500K300P70(3)_8	51.10	43.40	484.00	475.00	77816	78408
N500K300P70(3)_9 N500K300P70(3)_10	60.20	42.70	477.00	450.00	76884	78158
N500K300P70(4)_1	63.00	51.10	493.00	494.00 478.00	77258 75897	78193 40627
N500K300P70(4)_1	60.20	48.30	484.00	480.00	76195	58503
N500K300P70(4)_3	60.90	49.00	483.00	477.00	75999	57428
N500K300P70(4)_4	57.40	49.70	493.00	438.00	76384	48342
N500K300P70(4)_5	60.20	46.90	494.00	494.00	76632	77280
N500K300P70(4)_6	65.10	49.70	499.00	458.00	75690	46535
N500K300P70(4)_7	61.60	50.40	496.00	397.00	76449	46675
N500K300P70(4)_8	58.10	48.30	495.00	463.00	76669	76894
N500K300P70(4)_9	58.10	49.70	486.00	410.00	76961	47900
N500K300P70(4)_10	58.10	47.60	493.00	484.00	76469	43369
N500K300P70(5)_1	58.10	40.60	471.00	376.00	75816	52926
N500K300P70(5)_2	59.50	37.80	487.00	456.00	75524	46072
N500K300P70(5)_3	58.80	37.80	483.00	426.00	75860	48805
N500K300P70(5)_4	62.30	37.10	481.00	387.00	75284	64789
N500K300P70(5)_5	56.70	39.90	493.00	443.00	75984	39134
N500K300P70(5)_6	52.50	43.40	492.00	479.00	76401	39845
N500K300P70(5)_7	56.70	42.70	491.00	433.00	75746	27073
N500K300P70(5)_8	55.30	37.10	478.00	431.00	75644	48375
N500K300P70(5)_9	54.60	42.00	493.00	354.00	76263	37520
N500K300P70(5)_10	60.20	38.50	494.00	432.00	75503	41070
N500K300P70(6)_1	55.30	37.80	483.00	420.00	77930	79825
N500K300P70(6)_2	58.10	37.10	484.00	448.00	77376	79627
N500K300P70(6)_3	53.20	39.90	481.00	448.00	78161	58101
N500K300P70(6)_4	55.30	38.50	478.00	452.00	78357	69059
N500K300P70(6)_5	53.20	40.60	481.00	350.00	77896	66704
N500K300P70(6)_6	53.90	35.70	491.00	441.00	78422	77364
N500K300P70(6)_7	51.10	37.80	491.00	396.00	78352	68182
N500K300P70(6)_8	55.30	36.40	483.00	411.00	78187	79166
N500K300P70(6)_9	57.40	36.40	472.00	397.00	77807	79357

T / #TD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K300P70(6)_10	58.80	40.60	482.00	421.00	77722	55116
N500K300P70(7)_1	65.10	50.40	494.00	444.00	72105	45501
N500K300P70(7)_2	64.40	49.00	492.00	458.00	72410	74502
N500K300P70(7)_3	63.00	53.90	496.00	376.00	73003	45072
N500K300P70(7)_4	68.60	49.70	490.00	425.00	72321	73532
N500K300P70(7)_5	61.60	52.50	495.00	409.00	72664	55781
N500K300P70(7)_6	61.60	53.90	486.00	440.00	72587	41388
N500K300P70(7)_7	67.20	48.30	496.00	419.00	72264	73872
N500K300P70(7)_8	67.90	51.80	491.00	487.00	72619	51856
N500K300P70(7)_9	70.00	46.90	493.00	379.00	71759	73337
N500K300P70(7)_10	61.60	51.80	495.00	386.00	72916	73082
N500K300P70(8)_1	65.10	56.00	495.00	426.00	73733	42685
N500K300P70(8)_2	65.80	58.10	494.00	396.00	73854	38222
N500K300P70(8)_3	65.10	53.20	495.00	436.00	74057	60816
N500K300P70(8)_4	64.40	53.20	498.00	454.00	73989	74827
N500K300P70(8)_5	65.10	51.10	487.00	474.00	73711	62968
N500K300P70(8)_6	63.70	50.40	494.00	458.00	74111	74269
N500K300P70(8)_7	66.50	53.20	491.00	479.00	73736	66959
N500K300P70(8)_8	67.90	51.80	492.00	476.00	73646	72756
N500K300P70(8)_9	70.70	53.20	486.00	447.00	73517	63647
N500K300P70(8)_10	65.80	55.30	488.00	457.00	73788	38049
N500K300P70(9)_1	57.40	46.20	492.00	451.00	76745	77111
N500K300P70(9)_2	58.80	49.70	477.00	437.00	76161	51981
N500K300P70(9)_3	58.10	46.20	495.00	434.00	76361	72802
N500K300P70(9)_4	59.50	46.90	487.00	428.00	76537	76970
N500K300P70(9)_5	56.00	55.30	484.00	480.00	76532	47752
N500K300P70(9)_6	57.40	46.20	498.00	408.00	76699	76534
N500K300P70(9)_7 N500K300P70(9)_8	56.70 63.00	$\frac{45.50}{42.70}$	488.00 489.00	453.00 423.00	76442	77068 76980
N500K300P70(9)_8 N500K300P70(9)_9	58.80	46.20	479.00	425.00	76085 76675	76743
N500K300P70(9)_9	64.40	45.50	494.00	425.00	76282	74527
N500K300P70(10)_1	63.00	56.70	496.00	454.00	74195	62226
N500K300P70(10)_2	60.20	56.00	496.00	402.00	74052	62620
N500K300P70(10)_3	67.20	61.60	476.00	434.00	73515	34438
N500K300P70(10)_4	70.70	58.80	493.00	440.00	73509	42148
N500K300P70(10)_5	68.60	56.70	484.00	459.00	74033	74725
N500K300P70(10)_6	65.10	58.80	487.00	462.00	74108	47335
N500K300P70(10)_7	65.80	60.90	492.00	386.00	73968	41432
N500K300P70(10)_8	67.20	59.50	498.00	426.00	73663	38792
N500K300P70(10)_9	67.20	58.80	491.00	405.00	73439	41577
N500K300P70(10)_10	72.10	58.10	479.00	456.00	73022	50111
N500K300P80(1)_1	67.71	56.14	488.00	488.00	77375	79548
N500K300P80(1)_2	73.66	74.30	496.00	494.00	77491	78663
N500K300P80(1)_3	71.47	56.90	498.00	498.00	77156	79582
N500K300P80(1)_4	68.31	57.71	497.00	495.00	77816	79280
N500K300P80(1)_5	73.75	59.91	495.00	494.00	77208	79583
N500K300P80(1)_6	71.21	59.04	500.00	472.00	77528	79251
N500K300P80(1)_7	67.70	57.55	499.00	490.00	77518	79578
N500K300P80(1)_8	67.63	58.53	490.00	472.00	77385	78791
N500K300P80(1)_9	68.40	61.42	495.00	491.00	77612	79061
N500K300P80(1)_10	69.08	57.56	496.00	493.00	77425	79709
N500K300P80(2)_1	73.76	56.73	495.00	487.00	76873	79865
N500K300P80(2)_2	69.91	57.68	494.00	500.00	77327	80028
N500K300P80(2)_3	69.99	55.34	499.00	474.00	77783	79690
N500K300P80(2)_4	68.50	60.67	496.00	494.00	77794	80186
N500K300P80(2)_5	72.12	54.71	498.00	464.00	76588	79797
N500K300P80(2)_6	68.30	60.02	498.00	480.00	76962	79552

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K300P80(2)_7	73.14	63.61	484.00	498.00	76820	79814
N500K300P80(2)_8	73.77	57.03	494.00	490.00	76784	79737
N500K300P80(2)_9	64.36	64.45	496.00	498.00	77293	79592
N500K300P80(2)_10	67.51	56.72	499.00	500.00	77193	80496
N500K300P80(3)_1	66.96	66.00	494.00	493.00	78017	79293
N500K300P80(3)_2	69.81	75.35	489.00	486.00	77795	78494
N500K300P80(3)_3	63.68	72.82	499.00	483.00	78169	79037
N500K300P80(3)_4	64.20	72.91	493.00	497.00	79139	78786
N500K300P80(3)_5	67.59	59.96	495.00	498.00	78095	79671
N500K300P80(3)_6	64.45	66.05	498.00	497.00	78444	79528
N500K300P80(3)_7	65.10	68.28	499.00	498.00	78493	79051
N500K300P80(3)_8	64.38	73.69	493.00	498.00	78180	78999
N500K300P80(3)_9	65.35	61.73	496.00	499.00	77762	79914
N500K300P80(3) ₋ 10	70.03	70.59	500.00	487.00	77366	79348
N500K300P80(4)_1	73.13	59.65	500.00	500.00	76855	78476
N500K300P80(4)_2	73.11	61.00	495.00	487.00	76743	78912
N500K300P80(4)_3	73.02	61.04	498.00	465.00	76907	78288
N500K300P80(4)_4	72.97	62.75	494.00	497.00	76545	78767
N500K300P80(4)_5	68.46	59.47	496.00	480.00	77160	78837
N500K300P80(4)_6	72.05	57.98	487.00	495.00	76602	78939
N500K300P80(4)_7	72.98	58.89	492.00	499.00	76347	78859
N500K300P80(4)_8	74.41	63.31	500.00	498.00	76406	78734
N500K300P80(4)_9	68.37	61.14	490.00	486.00	76724	78419
N500K300P80(4)_10	77.60	60.28	485.00	498.00	75802	79151
N500K300P80(5)_1	72.72	51.63	498.00	468.00	76354	78576
N500K300P80(5)_2	70.58	62.38	492.00	492.00	76354	78071
N500K300P80(5)_3	61.17	58.43	496.00	490.00	76771	78574
N500K300P80(5)_4	75.42	53.73	493.00	439.00	76335	78623
N500K300P80(5)_5	73.64	52.96	491.00	479.00	75644	79287
N500K300P80(5)_6	71.46	55.18	499.00	493.00	75792	79028
N500K300P80(5)_7	65.95	56.16	498.00	495.00	76691	78743
N500K300P80(5)_8	71.30	51.57	499.00	468.00	76423	78868
N500K300P80(5)_9	70.01	50.09	494.00	492.00	76009	79179
N500K300P80(5)_10	66.05	75.30	500.00	494.00	76749	77361
N500K300P80(6)_1	66.03	54.67	499.00	496.00	78563	81082
N500K300P80(6)_2	61.47	56.84	495.00	498.00	79067	81122
N500K300P80(6)_3	69.41	52.31	499.00	491.00	78254	81262
N500K300P80(6)_4	71.32	57.74	499.00	449.00	78362	80055
N500K300P80(6)_5	63.65	54.62	497.00	468.00	78744	81119
N500K300P80(6)_6	72.10	59.91	494.00	494.00	78677	80700
N500K300P80(6)_7	67.61	$\frac{56.17}{56.94}$	496.00	494.00	78316	80666
N500K300P80(6)_8 N500K300P80(6)_9	64.32 63.22	54.58	493.00 492.00	452.00 488.00	78524 79249	80379 81092
N500K300P80(6)_10	61.23	56.04	494.00	490.00	79249	81282
N500K300P80(7)_1	74.53	70.79	494.00	482.00	73014	75607
N500K300P80(7)_1 N500K300P80(7)_2	79.05	70.19	500.00	488.00	73014	75683
N500K300P80(7)_3	79.05	67.92	498.00	481.00	72825	76252
N500K300P80(7)_3 N500K300P80(7)_4	78.48	83.09	498.00	492.00	72724	74654
N500K300P80(7)_4 N500K300P80(7)_5	85.27	71.71	498.00	492.00	72765	75793
N500K300P80(7)_5 N500K300P80(7)_6	84.55	75.52	495.00	496.00	73028	75490
N500K300P80(7)_7	86.85	71.76	495.00	497.00	72223	75958
N500K300P80(7)_7 N500K300P80(7)_8	83.02	68.77	488.00	493.00	72530	75909
N500K300P80(7)_8 N500K300P80(7)_9	77.59	67.87	499.00	493.00	72943	76014
N500K300P80(7)_9	73.28	83.06	499.00	489.00	73084	74930
N500K300P80(7)_10	76.21	66.00	491.00	471.00	74752	76230
N500K300P80(8)_1 N500K300P80(8)_2	76.21	72.06	494.00	490.00	74283	75302
N500K300P80(8)_2 N500K300P80(8)_3	79.29	$\frac{72.00}{65.91}$	494.00	479.00	74429	76234
11300123001 00(0)_3	13.43	00.31	494.00	713.00	14443	10204

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K300P80(8)_4	72.17	78.02	487.00	491.00	74936	75388
N500K300P80(8)_5	78.24	70.35	498.00	488.00	74562	76036
N500K300P80(8)_6	76.89	64.48	494.00	460.00	74232	75988
N500K300P80(8)_7	81.56	78.92	493.00	481.00	74254	74733
N500K300P80(8)_8	76.84	65.12	495.00	484.00	74361	75898
N500K300P80(8)_9	76.15	64.55	497.00	490.00	74222	76020
N500K300P80(8)_10	80.17	66.72	494.00	492.00	74127	75989
N500K300P80(9)_1	75.23	60.81	483.00	478.00	76885	78331
N500K300P80(9)_2	73.81	60.12	495.00	483.00	77078	77689
N500K300P80(9)_3	74.55	58.56	496.00	466.00	77194	78323
N500K300P80(9)_4	68.15	59.99	498.00	489.00	77327	78502
N500K300P80(9)_5	68.88	57.13	493.00	474.00	77006	78158
N500K300P80(9)_6	72.96	54.08	496.00	477.00	77476	78593
N500K300P80(9)_7	70.75	60.08	499.00	477.00	77373	78383
N500K300P80(9)_8	69.87	55.52	496.00	496.00	77096	78559
N500K300P80(9)_9	65.29	62.36	497.00	465.00	77452	77660
N500K300P80(9)_10	73.63	57.72	499.00	463.00	76770	78221
N500K300P80(10)_1	82.35	98.56	499.00	426.00	73766	74007
N500K300P80(10)_2	86.77	83.24	486.00	492.00	73684	75174
N500K300P80(10)_3	78.71	80.19	500.00	498.00	73729	75576 76222
N500K300P80(10)_4	79.18	70.36	488.00	487.00	73923	
N500K300P80(10)_5 N500K300P80(10)_6	80.80 75.58	78.05 81.02	487.00 497.00	473.00 487.00	73793 74550	75387 75494
N500K300P80(10)_0	79.27	76.40	497.00	495.00	74232	76097
N500K300P80(10)_8	83.14	83.62	498.00	483.00	74305	75202
N500K300P80(10)_9	85.56	70.43	488.00	489.00	74141	75919
N500K300P80(10)_10	83.14	75.17	492.00	494.00	73668	76068
N500K400P50(1)_1	78.50	74.00	496.00	477.00	79447	80779
N500K400P50(1)_2	80.00	71.50	497.00	460.00	78744	80996
N500K400P50(1)_3	83.00	73.00	486.00	484.00	78741	81251
N500K400P50(1)_4	81.50	76.50	490.00	487.00	78987	71468
N500K400P50(1)_5	82.50	72.00	497.00	467.00	79017	81047
N500K400P50(1)_6	82.00	72.50	484.00	488.00	78920	81356
N500K400P50(1)_7	79.00	72.00	498.00	481.00	79711	81098
N500K400P50(1)_8	80.00	71.50	489.00	474.00	79547	81163
N500K400P50(1)_9	79.00	73.00	496.00	469.00	79477	80881
N500K400P50(1)_10	82.00	72.50	494.00	467.00	79052	71136
N500K400P50(2)_1	73.50	72.00	494.00	467.00	80721	65693
N500K400P50(2)_2	80.00	70.00	489.00	472.00	79547	81758
N500K400P50(2)_3	80.00	68.00	495.00	493.00	79640	82128
N500K400P50(2)_4	80.00	72.00	500.00	474.00	79569	81979
N500K400P50(2)_5	86.50	71.00	491.00	476.00	79064	68380
N500K400P50(2)_6	81.50	70.00	494.00	465.00	78923	82127
N500K400P50(2)_7	81.00	69.00	496.00	467.00	79319	82270
N500K400P50(2)_8	78.50	68.50	492.00	484.00	79516	78769
N500K400P50(2)_9	78.50	71.00	497.00	457.00	79708	69752
N500K400P50(2)_10	81.00	69.50	491.00	467.00	79311	71880
N500K400P50(3)_1	75.00	67.50	492.00	462.00	80487	82447
N500K400P50(3)_2	80.00	68.00	489.00	468.00	80156	82487
N500K400P50(3)_3	77.50	68.50	494.00	455.00	79881	82483
N500K400P50(3)_4	81.00	69.50	480.00	478.00	79674	82191
N500K400P50(3)_5	73.50	69.50	488.00	476.00	80810	82141
N500K400P50(3)_6	81.00	68.50	479.00	469.00	79508	82384
N500K400P50(3)_7	73.00	68.50	497.00	479.00	80510	82718
N500K400P50(3)_8	75.50	68.00	493.00	469.00	80653	82438
N500K400P50(3)_9 N500K400P50(3)_10	77.00 75.50	67.50 66.50	493.00 493.00	478.00 478.00	79850 79920	82283 82429
1130013400130(3)_10	10.00	00.00	433.00	410.00	13320	02429

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K400P50(4)_1	80.00	72.50	495.00	484.00	79493	68899
N500K400P50(4)_2	79.00	72.50	482.00	470.00	79169	81660
N500K400P50(4)_3	84.00	72.50	493.00	457.00	79047	81645
N500K400P50(4)_4	81.00	75.50	496.00	494.00	78875	79027
N500K400P50(4)_5	86.50	72.00	478.00	449.00	78621	81668
N500K400P50(4)_6	78.00	70.00	490.00	471.00	79733	81808
N500K400P50(4)_7	80.00	73.00	495.00	469.00	79399	81452
N500K400P50(4)_8	79.00	73.00	486.00	453.00	79459	65779
N500K400P50(4)_9	82.00	73.50	493.00	492.00	79313	75455
N500K400P50(4)_10	83.00	78.00	491.00	498.00	79408	72523
N500K400P50(5)_1	83.50	73.50	486.00	470.00	78446	64496
N500K400P50(5)_2	80.00	68.50	494.00	439.00	78897	81979
N500K400P50(5)_3	79.50	70.50	482.00	446.00	79311	81642
N500K400P50(5)_4	84.00	73.50	496.00	430.00	78225	41026
N500K400P50(5)_5	80.00	70.50	492.00	477.00	79052	63638
N500K400P50(5)_6	81.00	71.00	494.00	484.00	78959	53600
N500K400P50(5)_7	80.00	68.50	494.00	440.00	78977	82005
N500K400P50(5)_8	83.50	69.00	492.00	472.00	78508	63345
N500K400P50(5)_9	79.50	76.50	491.00	475.00	78447	70328
N500K400P50(5)_10	77.50	68.00	492.00	464.00	79343	75102
N500K400P50(6)_1	75.50	64.00	492.00	490.00	80545	83868
N500K400P50(6)_2	76.50	68.00	496.00	473.00	80419	78615
N500K400P50(6)_3	78.00	62.00	493.00	484.00	80751	84311
N500K400P50(6)_4	78.50	64.00	498.00	465.00	80741	83593
N500K400P50(6)_5	81.00	62.50	494.00	462.00	80309	83403
N500K400P50(6)_6	74.50	63.00	495.00	479.00	80775	83781
N500K400P50(6)_7	82.00	66.00	498.00	471.00	79957	83485
N500K400P50(6)_8	77.00	64.00	493.00	462.00	80497	83616
N500K400P50(6)_9	74.00	65.00	499.00	455.00	80866	83452
N500K400P50(6)_10	75.50	64.00	492.00	446.00	81140	83247
N500K400P50(7)_1	84.00	78.00	497.00	494.00	75656	78297
N500K400P50(7)_2	85.00	77.00	489.00	481.00	75157	77914
N500K400P50(7)_3	87.50	73.50	490.00	478.00	75007	78283
N500K400P50(7)_4	87.50	75.50	489.00	477.00	75071	77890
N500K400P50(7)_5	85.00	75.00	496.00	474.00	75435	78574
N500K400P50(7)_6	88.50	74.50	485.00	477.00	74956	78698
N500K400P50(7)_7	86.00	73.00	487.00	477.00	75417	78172
N500K400P50(7)_8	85.50	75.00	496.00	463.00	75622	77960
N500K400P50(7)_9	87.50	75.00	486.00	478.00	74787	78223
N500K400P50(7)_10 N500K400P50(8)_1	86.50	77.00	494.00	462.00	75321	78077
N500K400P50(8)_1 N500K400P50(8)_2	88.00	79.50	490.00 495.00	452.00 465.00	76180 76017	78764
N500K400P50(8)_2 N500K400P50(8)_3	87.50 88.00	77.50 79.00	493.00	465.00	75875	78816 78693
N500K400P50(8)_4	83.00	80.00	498.00	470.00	76617	73955
N500K400P50(8)_5	88.00	78.00	496.00	453.00	76150	62010
N500K400P50(8)_6	86.00	78.50	490.00	482.00	75955	78555
N500K400P50(8)_7	88.50	82.50	498.00	465.00	75695	78026
N500K400F50(8)_8	86.00	78.50	490.00	480.00	76739	68318
N500K400F50(8)_9	88.50	79.50	494.00	456.00	76117	78916
N500K400P50(8)_10	87.50	78.50	494.00	481.00	76014	78886
N500K400P50(9)_1	78.00	72.50	498.00	461.00	79617	81310
N500K400P50(9)_2	79.50	$\frac{72.50}{73.50}$	499.00	486.00	78993	80942
N500K400P50(9)_3	77.00	71.50	493.00	467.00	79855	81236
N500K400P50(9)_4	76.00	69.50	493.00	472.00	79840	81430
N500K400P50(9)_5	78.50	70.00	484.00	459.00	79203	81184
N500K400F50(9)_6	80.00	69.00	485.00	462.00	79056	81325
N500K400P50(9)_7	81.00	68.00	493.00	481.00	79129	81566
11300111001 30(7)_/	01.00	00.00	100.00	101.00	10140	01000

T	Total los	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K400P50(9)_8	80.00	70.00	497.00	472.00	79350	81326
N500K400P50(9)_9	78.00	72.00	491.00	481.00	79754	81798
N500K400P50(9)_10	82.50	71.00	492.00	484.00	78740	81588
N500K400P50(10)_1	86.50	80.50	493.00	478.00	77133	78152
N500K400P50(10)_2	87.00	81.50	495.00	485.00	76613	78384
N500K400P50(10)_3	87.50	80.00	497.00	485.00	76518	66702
N500K400P50(10)_4	86.50	81.50	487.00	473.00	77125	74878
N500K400P50(10)_5	88.00	87.50	492.00	487.00	76481	61168
N500K400P50(10)_6	85.00	79.50	496.00	481.00	76620	78443
N500K400P50(10)_7	90.00	82.50	499.00	461.00	76115	63196
N500K400P50(10)_8	84.50	80.50	496.00	480.00	76995	73684
N500K400P50(10)_9	90.50	88.50	490.00	477.00	76925	77250
N500K400P50(10)_10	84.50	83.50	497.00	472.00	76499	67613
N500K400P60(1)_1	96.60	88.20	493.00	469.00	79059	80998
N500K400P60(1)_2	95.40	88.20	496.00	478.00	79536	80800
N500K400P60(1)_3	93.60	84.60	485.00	482.00	79586	81327
N500K400P60(1)_4	90.00	85.20	499.00	445.00	79752	81148
N500K400P60(1)_5	98.40	90.60	494.00	483.00	78778	57232
N500K400P60(1)_6	101.40	85.80	494.00	469.00	78298	77211
N500K400P60(1)_7	103.20	84.60	483.00	464.00	78323	81559
N500K400P60(1)_8	94.80	88.20	486.00	453.00	79469	80995
N500K400P60(1)_9	98.40	86.40	489.00	449.00	79151	80961
N500K400P60(1)_10	97.20	88.20	489.00	471.00	78739	81044
N500K400P60(2)_1	95.40	85.80	488.00	485.00	79526	82259
N500K400P60(2)_2	100.20	89.40	487.00	494.00	78644	81461
N500K400P60(2)_3	96.60	83.40	483.00	486.00	79218	72570
N500K400P60(2)_4	97.20	85.80	490.00	479.00	79068	69306
N500K400P60(2)_5	102.00 96.00	83.40	495.00 495.00	477.00	78611	82315
N500K400P60(2)_6 N500K400P60(2)_7		82.20 85.80	495.00	472.00 495.00	79490	76940 81254
N500K400P60(2)_7 N500K400P60(2)_8	90.00	80.40	489.00	446.00	80213 79767	82303
N500K400P60(2)_9	97.20	83.40	483.00	458.00	79121	82486
N500K400P60(2)_10	92.40	84.60	492.00	478.00	79736	82372
N500K400P60(3)_1	93.00	79.80	492.00	475.00	80391	82431
N500K400P60(3)_2	90.00	79.20	497.00	475.00	80440	82482
N500K400P60(3)_3	91.80	80.40	494.00	479.00	80318	82429
N500K400P60(3)_4	88.20	81.00	493.00	470.00	80999	82431
N500K400P60(3)_5	93.00	82.20	495.00	489.00	79907	82533
N500K400P60(3)_6	88.80	82.80	500.00	490.00	80554	82157
N500K400P60(3)_7	93.00	86.40	485.00	453.00	80086	77166
N500K400P60(3)_8	94.20	84.00	494.00	474.00	79905	82081
N500K400P60(3)_9	91.20	82.20	494.00	484.00	80413	80324
N500K400P60(3)_10	93.60	82.20	497.00	497.00	79611	82341
N500K400P60(4)_1	94.80	88.20	497.00	478.00	80242	81406
N500K400P60(4)_2	99.60	84.60	494.00	466.00	79061	81696
N500K400P60(4)_3	98.40	86.40	496.00	483.00	79081	81693
N500K400P60(4)_4	96.00	85.80	491.00	468.00	79248	77555
N500K400P60(4)_5	96.60	85.20	492.00	473.00	79811	81574
N500K400P60(4)_6	97.80	88.20	479.00	451.00	79556	77364
N500K400P60(4)_7	93.60	83.40	496.00	482.00	80015	81647
N500K400P60(4)_8	97.20	87.00	492.00	469.00	79368	81292
N500K400P60(4)_9	97.20	86.40	495.00	471.00	79313	81617
N500K400P60(4)_10	96.00	87.60	487.00	482.00	79092	81435
N500K400P60(5)_1	93.00	83.40	495.00	451.00	79226	81770
N500K400P60(5)_2	90.00	81.60	490.00	488.00	79242	75841
N500K400P60(5)_3	102.00	83.40	489.00	449.00	78269	77474
N500K400P60(5)_4	96.60	88.20	487.00	475.00	78908	80508

- UD	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K400P60(5)_5	95.40	91.80	497.00	443.00	78914	53334
N500K400P60(5)_6	97.80	89.40	495.00	488.00	78492	53601
N500K400P60(5)_7	97.20	87.00	486.00	464.00	78293	59802
N500K400P60(5)_8	102.00	83.40	494.00	496.00	78063	81483
N500K400P60(5)_9	95.40	81.60	485.00	457.00	79065	80222
N500K400P60(5)_10	99.00	83.40	496.00	453.00	78406	81062
N500K400P60(6)_1	95.40	80.40	489.00	493.00	80191	71278
N500K400P60(6)_2	87.00	76.80	497.00	480.00	80784	83626
N500K400P60(6)_3	91.80	83.40	493.00	470.00	80322	82705
N500K400P60(6)_4	86.40	76.80	491.00	458.00	81198	83240
N500K400P60(6)_5	96.00	78.60	500.00	448.00	80484	83024
N500K400P60(6)_6	89.40	78.00	493.00	450.00	80920	83245
N500K400P60(6)_7	91.20	76.80	494.00	489.00	80220	83450
N500K400P60(6)_8	90.60	76.80	494.00	478.00	80529	83852
N500K400P60(6)_9	90.60	75.60	492.00	450.00	80899	83121
N500K400P60(6) ₋ 10	86.40	76.20	493.00	476.00	81005	84014
N500K400P60(7)_1	103.80	87.60	482.00	484.00	75141	78353
N500K400P60(7)_2	104.40	93.60	488.00	491.00	75000	58304
N500K400P60(7)_3	105.00	91.20	486.00	474.00	75192	71312
N500K400P60(7)_4	104.40	94.20	496.00	482.00	74801	74634
N500K400P60(7)_5	102.00	89.40	495.00	468.00	75524	74837
N500K400P60(7)_6	103.80	87.60	480.00	480.00	75122	78854
N500K400P60(7)_7	107.40	88.80	497.00	492.00	74669	78036
N500K400P60(7)_8	106.20	87.60	493.00	480.00	74878	78390
N500K400P60(7)_9	104.40	91.20	495.00	450.00	75197	78118
N500K400P60(7)_10	105.00	93.00	486.00	481.00	75201	68374
N500K400P60(8)_1	106.80	94.80	496.00	474.00	76015	78785
N500K400P60(8)_2	110.40	96.00	500.00	474.00	75298	78690
N500K400P60(8)_3	106.80	91.20	490.00	467.00	75944	79110
N500K400P60(8)_4	106.80	100.20	493.00	464.00	76300	63192
N500K400P60(8)_5	104.40	96.60	496.00	461.00	76077	78592
N500K400P60(8)_6	102.60	96.60	491.00	482.00	76338	78787
N500K400P60(8)_7	106.20	95.40	495.00	462.00	76151	78635
N500K400P60(8)_8	109.20	94.20	483.00	485.00	75378	78925
N500K400P60(8)_9	105.60	95.40	482.00	483.00	76019	79067
N500K400P60(8)_10	105.00	100.80	493.00	454.00	76248	51353
N500K400P60(9)_1	95.40	84.60	486.00	465.00	78936	81285
N500K400P60(9)_2	100.20	83.40	493.00	466.00	79213	81491
N500K400P60(9)_3	97.20	84.60	493.00	478.00	78857	81228
N500K400P60(9)_4	96.00	89.40	498.00	483.00	79715	79101
N500K400P60(9)_5 N500K400P60(9)_6	95.40 97.80	83.40	498.00 480.00	483.00 462.00	79410 79120	81218 81298
N500K400P60(9)_6 N500K400P60(9)_7	95.40	84.60	480.00	487.00	79120	81298
N500K400P60(9)_7 N500K400P60(9)_8	92.40	87.00	492.00	471.00	79102	80868
N500K400P60(9)_8 N500K400P60(9)_9	94.80	85.20	494.00	477.00	79110	81346
N500K400P60(9)_9	99.00	87.00	494.00	465.00	78709	80984
N500K400P60(10)_1	105.00	96.00	492.00	461.00	76322	78426
N500K400P60(10)_2	107.40	95.40	488.00	484.00	76231	78300
N500K400P60(10)_3	106.20	95.40	487.00	467.00	76255	78214
N500K400P60(10)_4	106.20	101.40	489.00	491.00	76932	77408
N500K400P60(10)_5	110.40	96.00	496.00	456.00	76295	78258
N500K400P60(10)_6	102.60	96.00	496.00	470.00	76749	72096
N500K400P60(10)_7	104.40	97.20	491.00	453.00	76733	78190
N500K400P60(10)_8	108.00	102.60	498.00	472.00	76130	58626
N500K400P60(10)_9	106.80	98.40	499.00	485.00	76299	61631
N500K400P60(10)_10	105.60	103.20	497.00	480.00	76175	76855
N500K400P70(1)_1	112.70	98.00	493.00	480.00	78701	81815
1.00011100170(1)_1		55.50	100.00	100.00	.0.01	01010

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K400P70(1)_2	114.80	110.60	500.00	492.00	78939	79681
N500K400P70(1)_3	116.90	100.80	492.00	450.00	78802	80836
N500K400P70(1)_4	109.20	100.10	493.00	483.00	79462	81319
N500K400P70(1)_5	112.00	100.10	497.00	486.00	78828	81252
N500K400P70(1)_6	116.20	99.40	498.00	457.00	78837	81180
N500K400P70(1)_7	120.40	100.10	485.00	489.00	78108	81406
N500K400P70(1)_8	112.70	104.30	492.00	496.00	79029	62278
N500K400P70(1)_9	106.40	102.20	497.00	481.00	79955	81306
N500K400P70(1)_10	112.70	100.80	490.00	467.00	79472	81449
N500K400P70(2)_1	110.60	95.20	494.00	460.00	79908	82355
N500K400P70(2)_2	108.50	100.10	486.00	486.00	79392	80697
N500K400P70(2)_3	111.30	98.70	497.00	472.00	79397	68604
N500K400P70(2)_4	106.40	98.00	495.00	487.00	80027	82405
N500K400P70(2)_5	111.30	98.70	498.00	447.00	79409	65394
N500K400P70(2)_6	108.50	96.60	491.00	483.00	79614	81503
N500K400P70(2)_7	110.60	98.00	495.00	468.00	79678	82220
N500K400P70(2)_8	110.60	93.80	488.00	496.00	79570	82812
N500K400P70(2)_9	107.10	99.40	495.00	486.00	79994	82603
N500K400P70(2)_10	107.80	98.70	499.00	464.00	79925	82557
N500K400P70(3)_1	111.30	91.70	490.00	472.00	79903	82659
N500K400P70(3)_2	109.20	95.90	497.00	456.00	80076	82199
N500K400P70(3)_3	109.90	93.10	490.00	490.00	79864	82630
N500K400P70(3)_4	112.70	93.10	498.00	467.00	79889	82516
N500K400P70(3)_5	107.10	89.60	492.00	486.00	80572	83416
N500K400P70(3)_6	107.10	91.00	498.00	473.00	80281	82659
N500K400P70(3)_7	108.50	95.20	496.00	469.00	79977	82360
N500K400P70(3)_8	106.40	96.60	496.00	491.00	80290	82328
N500K400P70(3)_9	107.10	90.30	496.00	460.00	79863	82387
N500K400P70(3)_10	112.00	95.20	490.00	459.00	79578	82294
N500K400P70(4)_1	113.40	99.40	498.00	482.00	79244	81417
N500K400P70(4)_2 N500K400P70(4)_3	113.40	98.70	497.00	479.00	79271	81638
` '	113.40	99.40	497.00 496.00	452.00	78978	81213 66489
N500K400P70(4)_4	114.10	105.70		468.00	79319	
N500K400P70(4)_5 N500K400P70(4)_6	112.00 114.80	102.20 98.70	491.00 488.00	483.00 479.00	79688 79689	81773 81782
N500K400P70(4)_0 N500K400P70(4)_7	112.70	100.80	492.00	479.00	80051	81909
N500K400P70(4)_7 N500K400P70(4)_8	114.80	98.00	492.00	487.00	79378	81625
N500K400P70(4)_9	110.60	100.10	496.00	465.00	79385	72660
N500K400P70(4)_10	103.60	102.20	491.00	471.00	80461	70280
N500K400P70(5)_1	117.60	105.70	498.00	477.00	78080	65170
N500K400P70(5)_2	115.50	95.20	495.00	496.00	78438	73141
N500K400P70(5)_3	114.10	97.30	496.00	453.00	79295	78453
N500K400P70(5)_4	110.60	96.60	498.00	470.00	79101	81388
N500K400P70(5)_5	117.60	102.90	493.00	442.00	78192	80697
N500K400P70(5)_6	111.30	109.90	500.00	459.00	78492	57505
N500K400P70(5)_7	112.00	97.30	493.00	479.00	79001	81569
N500K400P70(5)_8	110.60	105.70	499.00	454.00	78955	62826
N500K400P70(5)_9	116.20	102.20	499.00	458.00	79121	74487
N500K400P70(5)_10	112.70	100.10	491.00	479.00	78991	54183
N500K400P70(6)_1	110.60	88.90	494.00	465.00	80417	83483
N500K400P70(6)_2	101.50	89.60	494.00	469.00	81296	83436
N500K400P70(6)_3	106.40	88.90	498.00	464.00	80625	83781
N500K400P70(6)_4	107.80	89.60	493.00	483.00	80272	83503
N500K400P70(6)_5	103.60	91.00	496.00	472.00	80508	83465
N500K400P70(6)_6	109.20	88.20	493.00	461.00	80286	83425
N500K400P70(6)_7	105.00	84.70	489.00	471.00	80959	84173
N500K400P70(6)_8	107.80	88.20	497.00	497.00	81145	84181
	1			2		

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K400P70(6)_9	106.40	86.10	499.00	495.00	80531	83766
N500K400P70(6)_10	105.70	89.60	498.00	449.00	80777	83191
N500K400P70(7)_1	120.40	105.70	482.00	486.00	74867	78308
N500K400P70(7)_2	122.50	106.40	498.00	477.00	75008	70313
N500K400P70(7)_3	121.10	111.30	489.00	477.00	75212	64120
N500K400P70(7)_4	125.30	107.10	496.00	457.00	75168	75500
N500K400P70(7)_5	123.90	105.70	478.00	454.00	74491	78020
N500K400P70(7)_6	121.10	105.00	488.00	479.00	75530	78532
N500K400P70(7)_7	119.00	107.80	498.00	490.00	75851	77803
N500K400P70(7)_8	119.70	105.70	495.00	490.00	75403	76246
N500K400P70(7)_9	120.40	107.10	497.00	452.00	75091	78248
N500K400P70(7)_10	125.30	107.80	495.00	454.00	74677	77907
N500K400P70(8) ₋ 1	123.90	108.50	486.00	458.00	75778	77966
N500K400P70(8)_2	123.20	109.20	486.00	481.00	76236	79111
N500K400P70(8)_3	124.60	108.50	495.00	452.00	76046	79066
N500K400P70(8)_4	123.20	112.00	493.00	466.00	75991	78814
N500K400P70(8)_5	121.10	112.70	489.00	463.00	76308	78582
N500K400P70(8)_6	120.40	107.10	494.00	490.00	76389	78886
N500K400P70(8)_7	121.80	115.50	495.00	483.00	75731	55368
N500K400P70(8)_8	123.90	114.10	493.00	461.00	75659	77767
N500K400P70(8)_9	121.80	112.70	498.00	456.00	76009	61606
N500K400P70(8)_10	122.50	110.60	491.00	497.00	75951	78740
N500K400P70(9)_1	111.30	97.30	496.00	478.00	78992	81349
N500K400P70(9)_2	112.00	101.50	496.00	475.00	79461	81263
N500K400P70(9)_3	108.50	98.70	491.00	476.00	79948	81360
N500K400P70(9)_4	109.90	100.10	490.00	460.00	79080	81148
N500K400P70(9)_5	110.60	104.30	500.00	482.00	79489	80594
N500K400P70(9)_6	111.30	100.10	486.00	487.00	79690	81351
N500K400P70(9)_7 N500K400P70(9)_8	114.10	102.20	496.00 485.00	481.00 458.00	79343	80977
N500K400P70(9)_8 N500K400P70(9)_9	117.60 112.70	101.50	485.00	491.00	78800 79408	81169 81324
N500K400P70(9)_9	112.70	97.30	498.00	497.00	79259	81500
N500K400P70(10)_1	122.50	133.00	499.00	480.00	76362	40351
N500K400P70(10)_2	127.40	112.00	493.00	468.00	76199	78358
N500K400P70(10)_3	124.60	113.40	493.00	468.00	76427	78352
N500K400P70(10)_4	123.20	114.10	488.00	467.00	76181	78067
N500K400P70(10)_5	120.40	111.30	492.00	491.00	76928	78545
N500K400P70(10)_6	119.00	116.20	495.00	458.00	76619	77976
N500K400P70(10)_7	123.90	113.40	497.00	490.00	76952	77796
N500K400P70(10)_8	120.40	110.60	498.00	499.00	76849	78246
N500K400P70(10)_9	130.20	112.00	497.00	472.00	75933	78325
N500K400P70(10)_10	119.00	112.70	496.00	479.00	76742	78402
N500K400P80(1)_1	136.71	179.67	495.00	495.00	78969	77844
N500K400P80(1)_2	139.24	133.06	500.00	500.00	79033	81003
N500K400P80(1)_3	136.18	142.99	498.00	500.00	78858	80060
N500K400P80(1)_4	133.89	135.57	498.00	498.00	79017	81428
N500K400P80(1)_5	136.77	129.21	498.00	486.00	79753	81993
N500K400P80(1)_6	132.09	129.88	498.00	499.00	79661	81677
N500K400P80(1)_7	133.90	157.43	496.00	495.00	79114	79104
N500K400P80(1)_8	137.77	135.02	499.00	500.00	78897	81306
N500K400P80(1)_9	132.15	134.46	497.00	499.00	79536	81435
N500K400P80(1)_10	138.28	130.91	492.00	497.00	79324	81218
N500K400P80(2)_1	135.50	164.38	497.00	498.00	79536	79850
N500K400P80(2)_2	128.46	118.59	500.00	499.00	79629	83058
N500K400P80(2)_3	135.44	141.51	492.00	493.00	79338	81611
N500K400P80(2)_4	133.00	151.29	500.00	490.00	79283	81303
N500K400P80(2)_5	136.21	140.08	499.00	499.00	79612	81916
N500K400P80(2)_3 N500K400P80(2)_4	135.44 133.00	141.51 151.29	492.00 500.00	493.00 490.00	79338 79283	81611 81303

	Total lo	ss value	Number	of active MDs	Time	(ms)
Instance_#Run	GA	GGA	GA	GGA	GA	GGA
N500K400P80(2)_6	130.75	166.69	490.00	498.00	79619	80359
N500K400P80(2)_7	135.18	123.37	500.00	499.00	79585	82957
N500K400P80(2)_8	136.67	164.95	500.00	492.00	79412	80393
N500K400P80(2)_9	136.03	132.35	500.00	497.00	79313	82326
N500K400P80(2)_10	131.10	165.08	497.00	494.00	79944	79828
N500K400P80(3)_1	124.36	125.39	496.00	499.00	80580	82637
N500K400P80(3)_2	129.90	130.00	497.00	496.00	80206	81980
N500K400P80(3)_3	133.87	132.95	498.00	494.00	79781	82227
N500K400P80(3)_4	133.87	132.34	498.00	495.00	79682	82153
N500K400P80(3)_5	127.56	129.03	492.00	490.00	80742	82569
N500K400P80(3)_6	126.71	132.75	492.00	495.00	80699	81733
N500K400P80(3)_7	125.98	128.33	496.00	497.00	80616	82239
N500K400P80(3)_8	129.08	130.75	497.00	492.00	80082	82034
N500K400P80(3)_9	128.31	132.11	492.00	491.00	80402	81818
N500K400P80(3)_10	127.82	129.06	497.00	498.00	80153	82668
N500K400P80(4)_1	136.20	129.08	498.00	496.00	79455	81682
N500K400P80(4)_2	135.35	128.87	495.00	494.00	79354	81803
N500K400P80(4)_3	138.84	131.23	500.00	495.00	78903	81851
N500K400P80(4)_4	136.80	123.44	490.00	497.00	79023	82318
N500K400P80(4)_5	132.87	123.66	496.00	499.00	79415	81755
N500K400P80(4)_6	136.64	131.22	500.00	488.00	79352	81863
N500K400P80(4)_7	133.84	129.66	496.00	497.00	79493	81681
N500K400P80(4)_8	132.33	124.29	497.00	488.00	79740	81913
N500K400P80(4)_9	138.33	119.89	496.00	491.00	79601	82076
N500K400P80(4)_10	132.86	125.79	494.00	499.00	79862	81834
N500K400P80(5)_1	131.57	121.73	495.00	484.00	79248	81839
N500K400P80(5)_2	128.32	126.34	497.00	498.00	79290	81427
N500K400P80(5)_3	136.57	130.00	500.00	500.00	78599	81117
N500K400P80(5)_4	133.03	124.56	496.00	490.00	79113	81941
N500K400P80(5)_5	140.57	153.68	497.00	494.00	78346	79380
N500K400P80(5)_6	132.95	156.71	491.00	477.00	78924	79259
N500K400P80(5)_7	133.69	147.70	500.00	490.00	79410	79878
N500K400P80(5)_8	131.35	127.76	497.00	490.00	78876	81551
N500K400P80(5)_9	131.27	136.78	496.00	488.00	78994	80911
N500K400P80(5)_10	132.92	126.03	497.00	492.00	79106	81859
N500K400P80(6)_1	127.59	114.68	496.00	500.00	80668	83901
N500K400P80(6)_2	126.20	117.69	498.00	493.00	81017	84413
N500K400P80(6)_3	126.10	126.13	498.00	496.00	80598	83451
N500K400P80(6)_4	126.20	120.01	496.00	496.00	80917	83530
N500K400P80(6)_5	128.40	121.90	498.00	494.00	80554	83352
N500K400P80(6)_6	132.29	120.13	500.00	499.00	80398	83664
N500K400P80(6)_7	136.90	114.10	487.00	496.00	80226	83883
N500K400P80(6)_8	126.78	115.77	491.00	484.00	80911	83414
N500K400P80(6)_9	123.24	115.09	496.00	492.00	80962	83708
N500K400P80(6)_10	133.06	114.34	499.00	494.00	80267	84059
N500K400P80(7)_1	146.06	144.92	500.00	488.00	75088	78296
N500K400P80(7)_2	149.98	183.83	496.00	488.00	74937	75006
N500K400P80(7)_3	146.89	181.61	496.00	498.00	74875	75279
N500K400P80(7)_4	143.65	184.49	496.00	491.00	75338	75559
N500K400P80(7)_5	138.37	176.08	499.00	488.00	75983	76098
N500K400P80(7)_6	139.34	182.88	500.00	492.00	75671	75514
N500K400P80(7)_7	140.70	182.33	499.00	496.00	75546	75465
N500K400P80(7)_8	142.91	184.49	500.00	482.00	75340	75502
N500K400P80(7)_9	145.31	180.81	494.00	496.00	75020	75653
N500K400P80(7)_10	150.65	173.81	498.00	492.00	74596	75709
N500K400P80(8)_1	145.44	163.48	500.00	498.00	76200	76620
N500K400P80(8)_2	146.16	142.05	496.00	488.00	76031	78418

In stance #D	Total loss value		Number	of active MDs	Time (ms)		
Instance_#Run	GA	GGA	GA	GGA	GA	GGA	
N500K400P80(8)_3	150.09	132.29	496.00	485.00	75372	78937	
N500K400P80(8)_4	143.18	162.60	490.00	489.00	76316	76590	
N500K400P80(8)_5	148.70	135.17	499.00	490.00	75713	79163	
N500K400P80(8)_6	139.35	141.50	495.00	482.00	76634	78409	
N500K400P80(8)_7	146.85	136.84	496.00	495.00	75909	79238	
N500K400P80(8)_8	150.02	138.29	495.00	492.00	75630	79034	
N500K400P80(8)_9	142.31	138.38	489.00	498.00	76604	79141	
N500K400P80(8)_10	144.43	150.41	492.00	491.00	76179	77765	
N500K400P80(9)_1	134.52	125.56	490.00	486.00	79324	81195	
N500K400P80(9)_2	136.95	120.21	496.00	500.00	79083	81385	
N500K400P80(9)_3	134.47	122.59	500.00	494.00	79482	81577	
N500K400P80(9)_4	136.16	122.57	500.00	496.00	79430	81109	
N500K400P80(9)_5	133.93	122.49	498.00	493.00	79254	81458	
N500K400P80(9)_6	136.04	123.11	500.00	477.00	79268	81056	
N500K400P80(9)_7	134.45	125.00	498.00	483.00	79397	81085	
N500K400P80(9)_8	133.02	121.49	497.00	493.00	79842	81796	
N500K400P80(9)_9	132.38	128.00	493.00	497.00	79571	81433	
N500K400P80(9)_10	131.67	124.22	497.00	497.00	79405	81500	
N500K400P80(10)_1	147.74	180.00	496.00	490.00	76598	76049	
N500K400P80(10)_2	149.23	176.41	495.00	492.00	76557	76652	
N500K400P80(10)_3	143.97	173.99	500.00	496.00	76893	76006	
N500K400P80(10)_4	144.07	179.37	496.00	495.00	76396	76078	
N500K400P80(10)_5	146.08	145.28	496.00	489.00	76503	78532	
N500K400P80(10)_6	153.37	176.95	493.00	488.00	75912	77111	
N500K400P80(10)_7	148.50	178.38	497.00	498.00	76355	75738	
N500K400P80(10)_8	145.43	175.44	498.00	488.00	76879	76164	
N500K400P80(10)_9	144.08	177.77	500.00	481.00	76931	75576	
N500K400P80(10)_10	150.92	173.31	500.00	500.00	76333	75769	