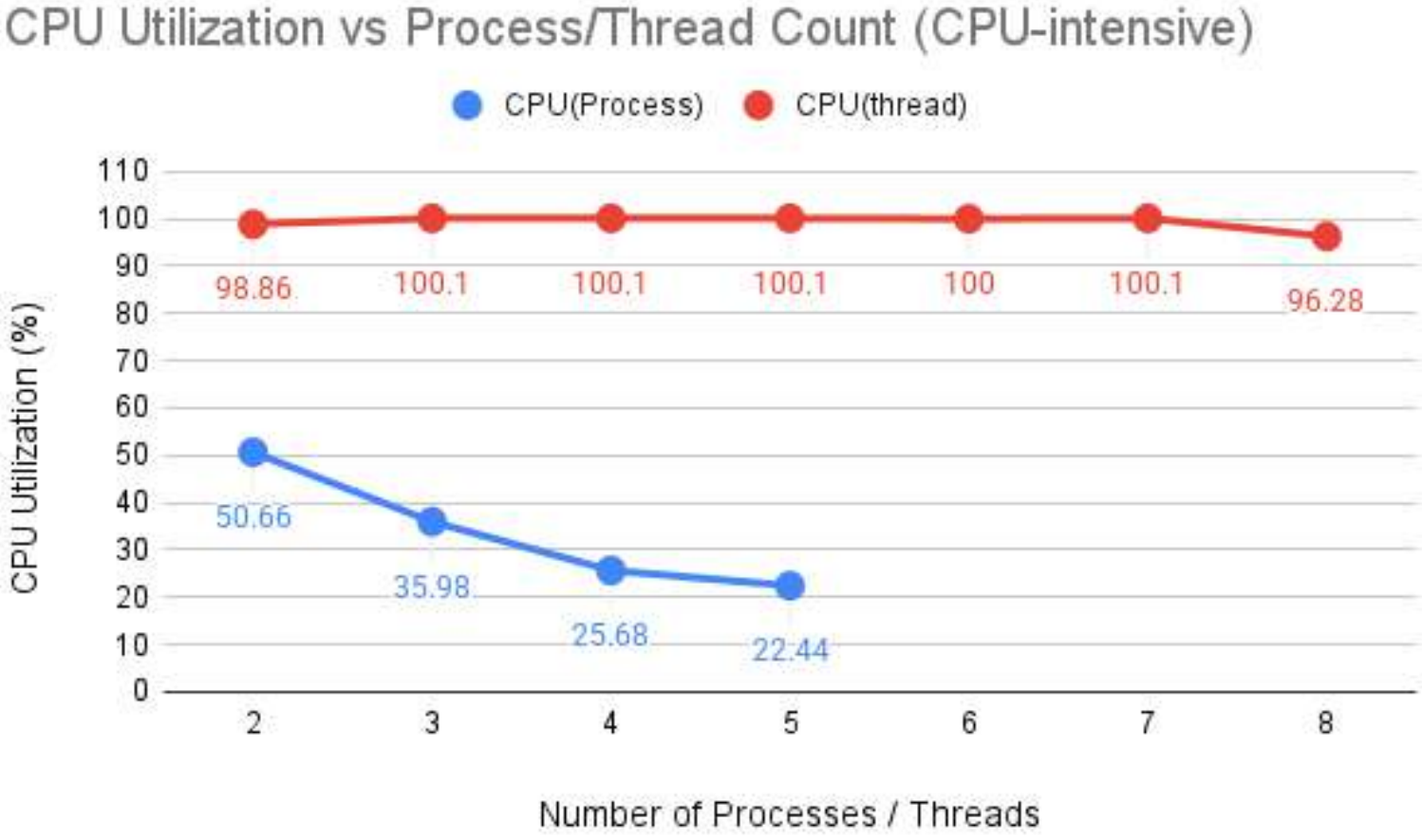
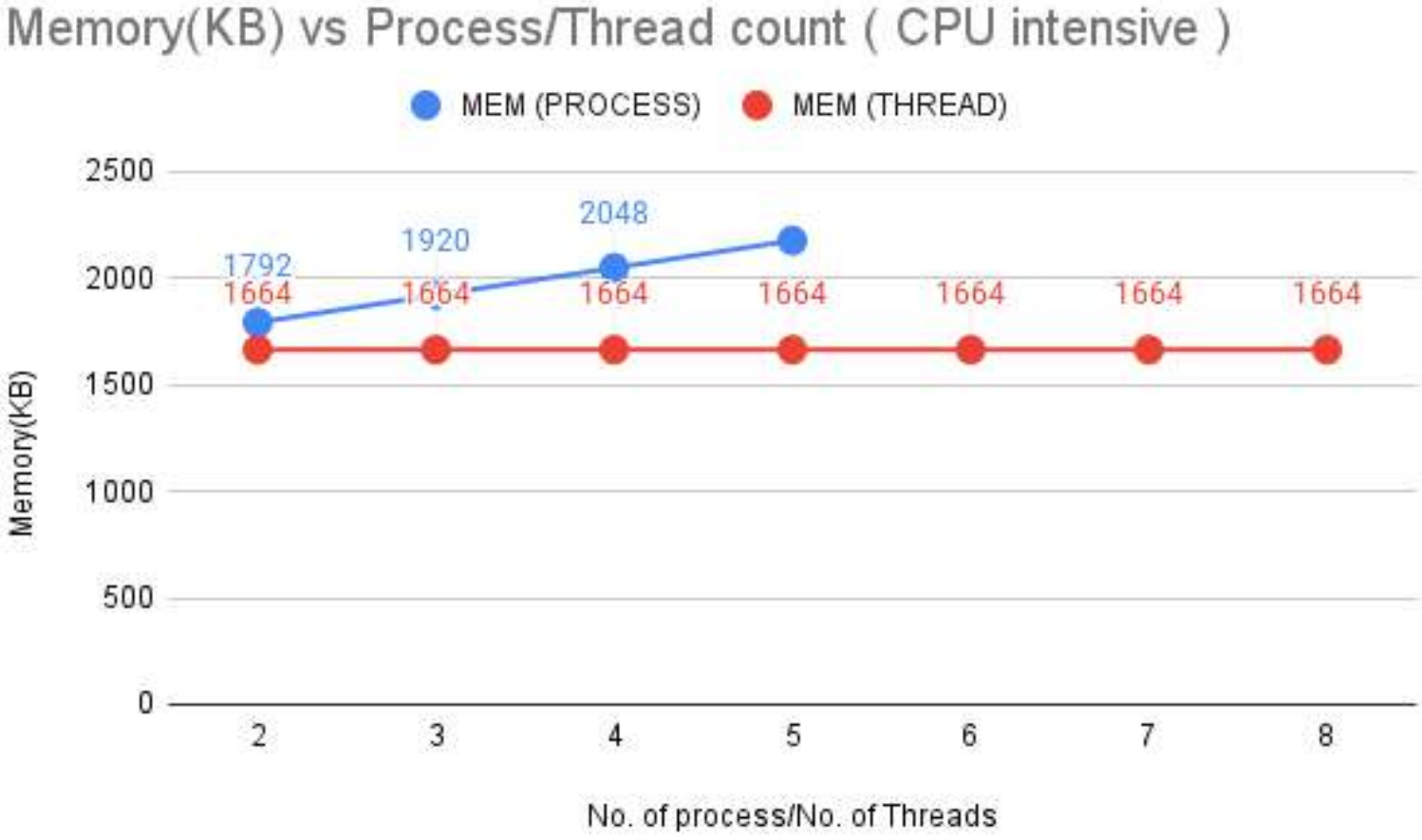
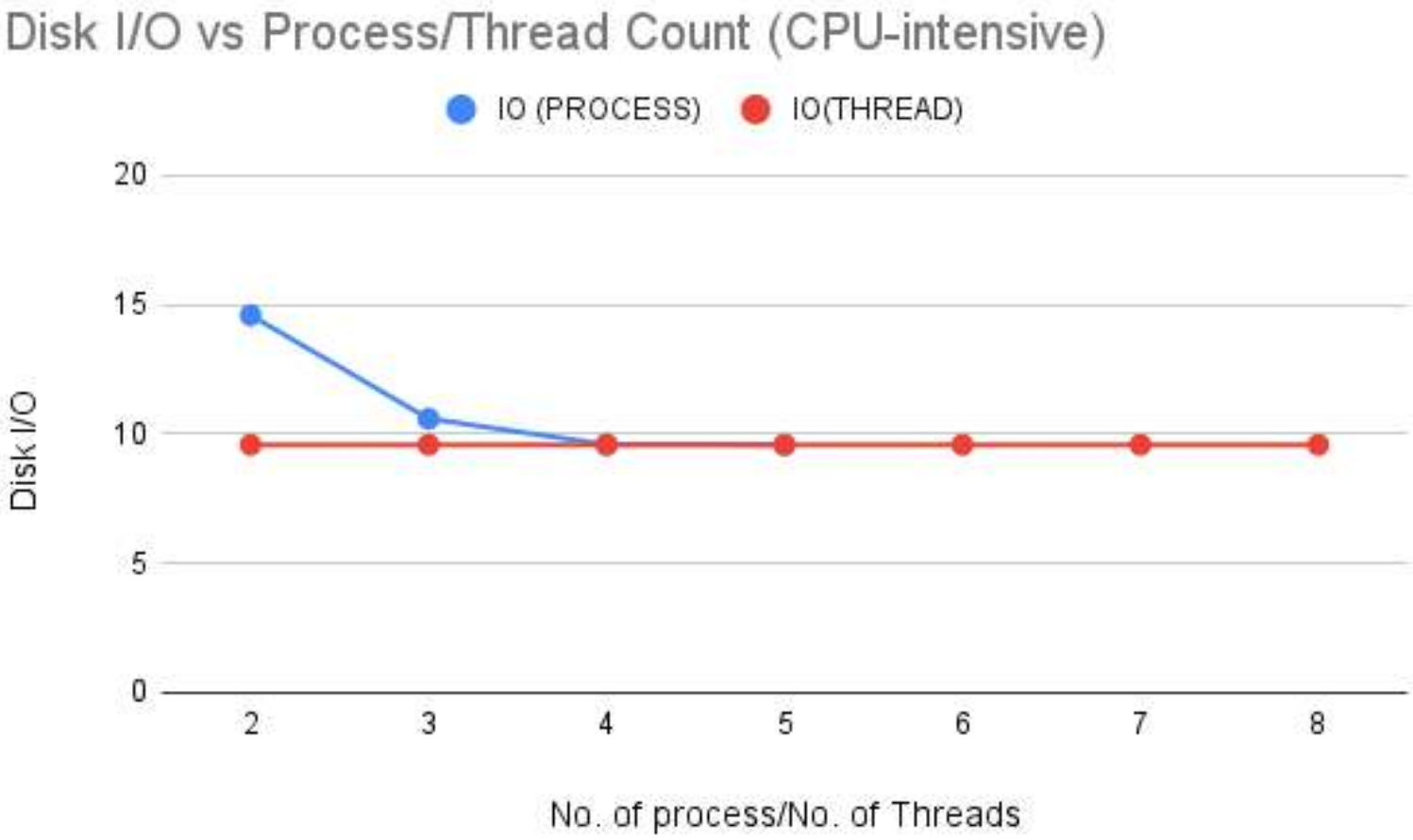
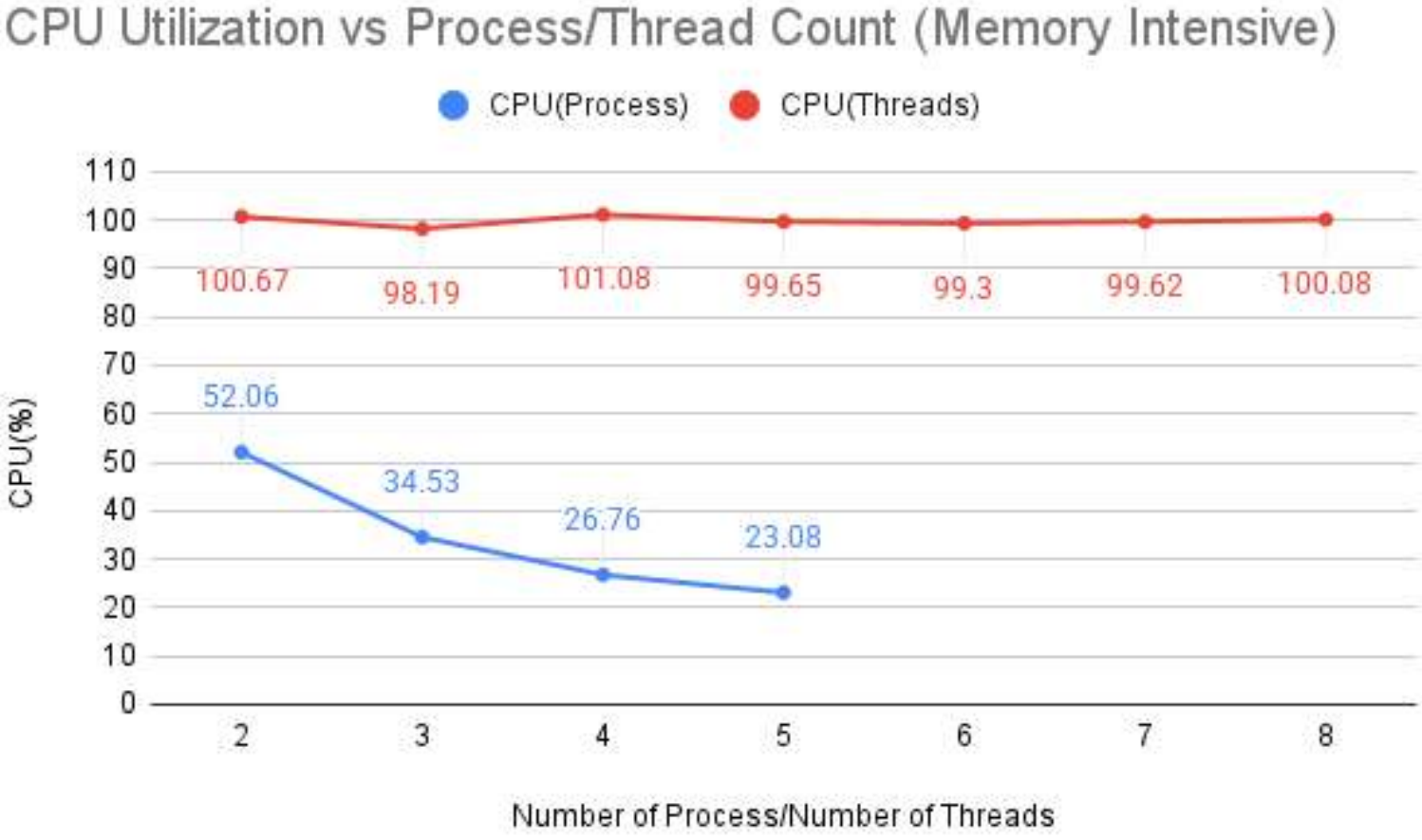
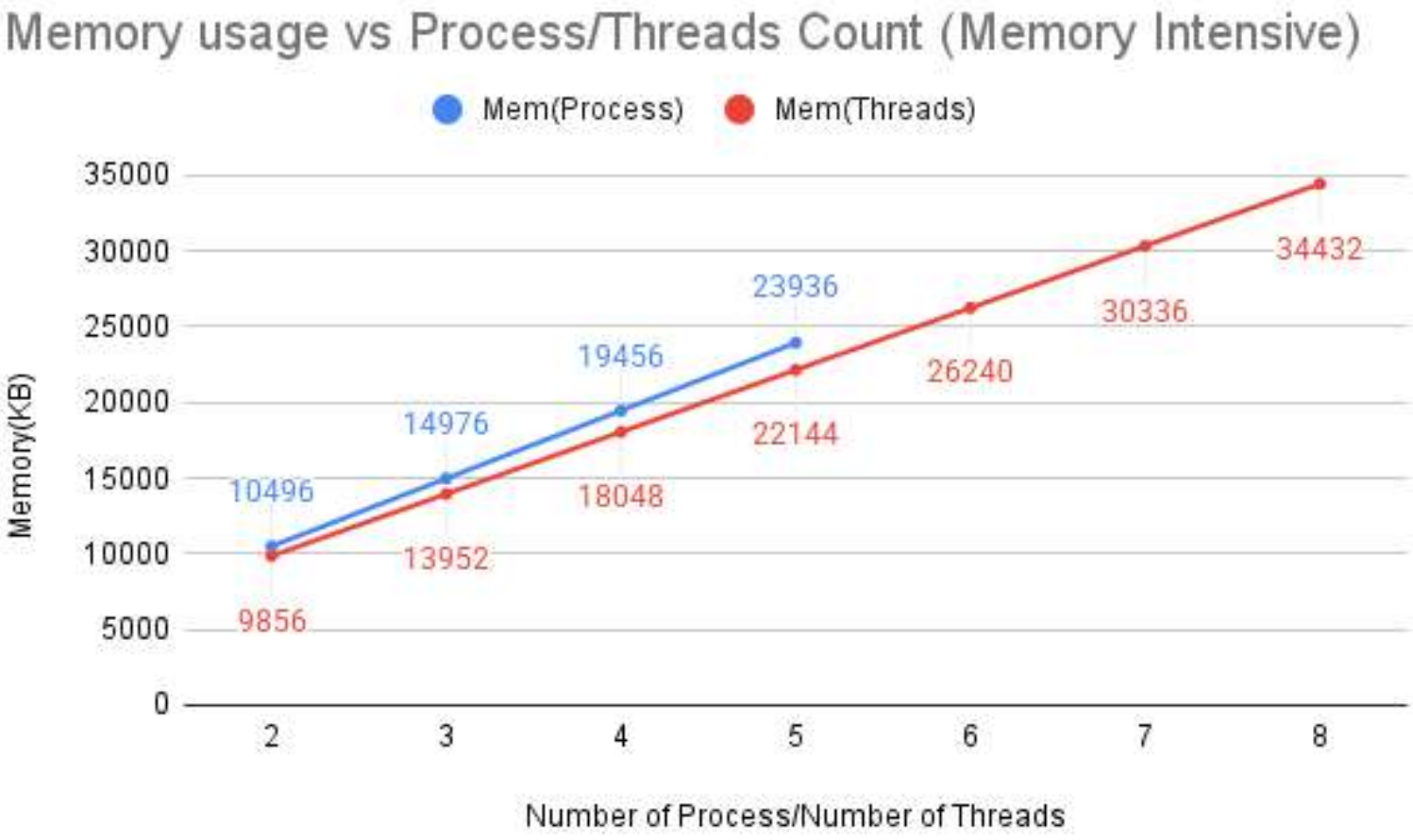
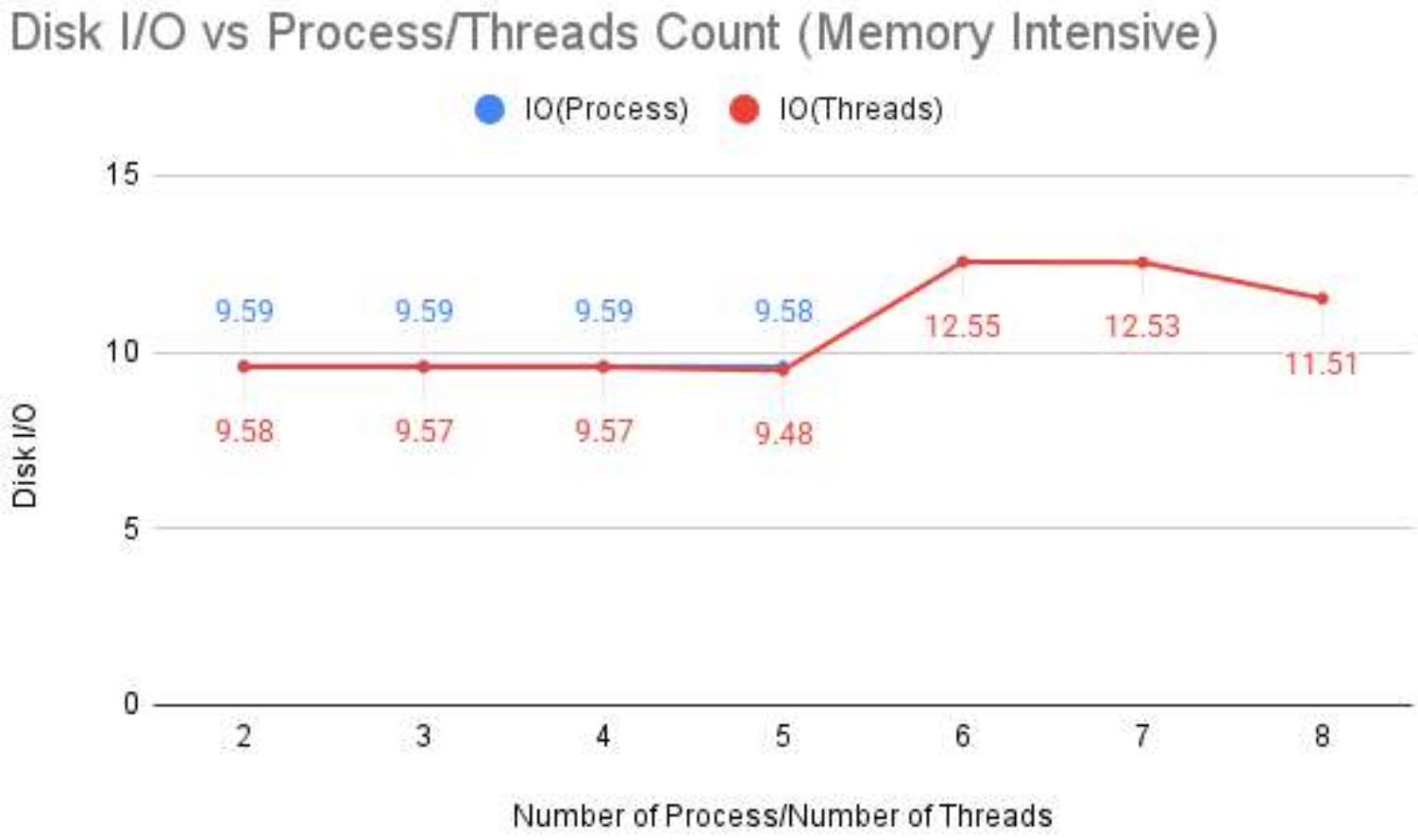

CPU Utilization vs Process/Thread Count (CPU-intensive)
CPU(Process)
CPU(thread)
CPU Utilization (%)
110
100
90
80
70
60
50
40
30
20
10
0
98.86
100.1
100.1
100.1
100
100.1
96.28
50.66
35.98
25.68
22.44
2
3
4
5
6
7
8
Number of Processes / Threads

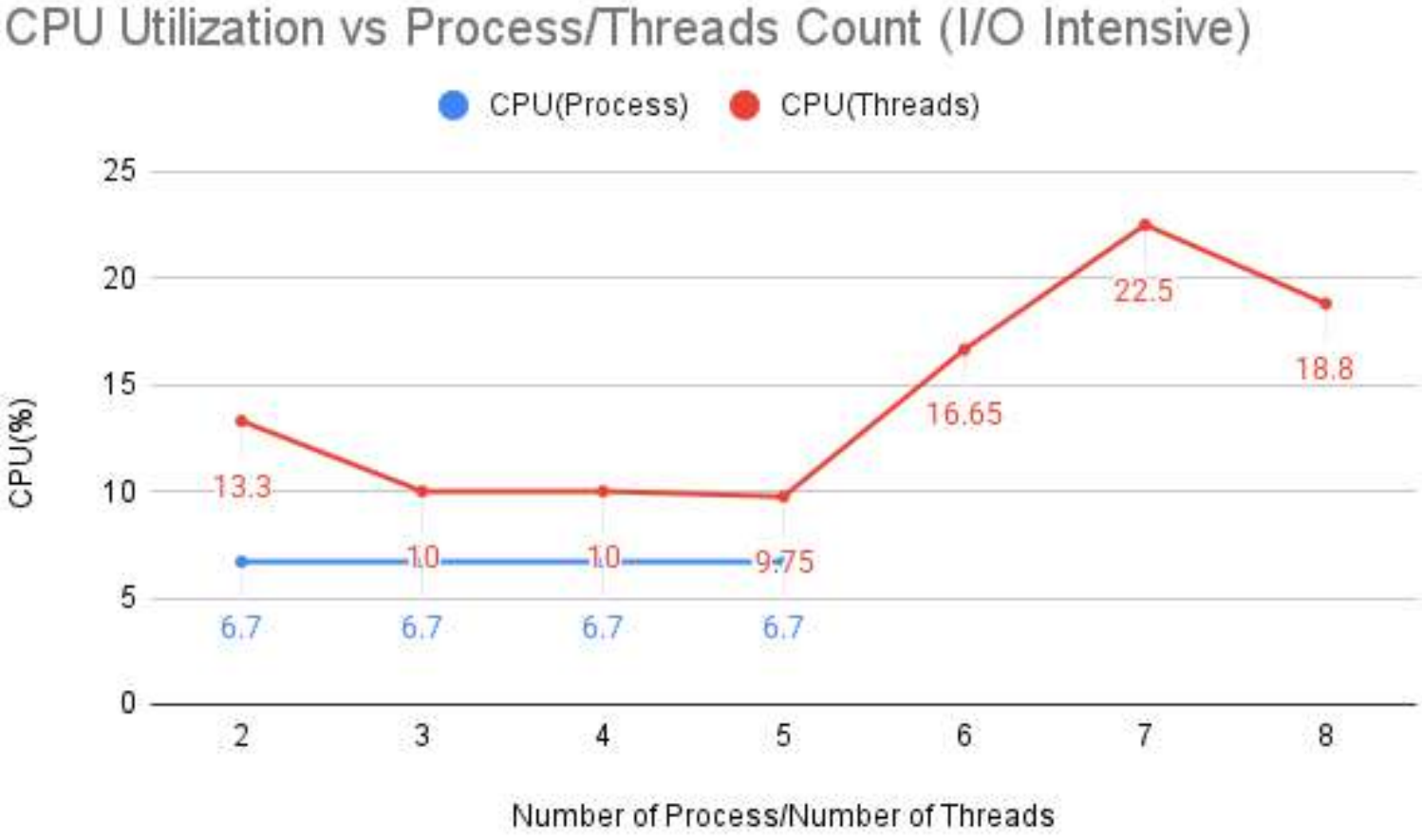

Memory(KB) vs Process/Thread count (CPU intensive)
MEM (PROCESS)
MEM (THREAD)
2500
2000
1500
1000
500
0
Memory(KB)
1792
1920
2048
1664
1664
1664
1664
1664
1664
1664
2
3
4
5
6
7
8
No. of process/No. of Threads

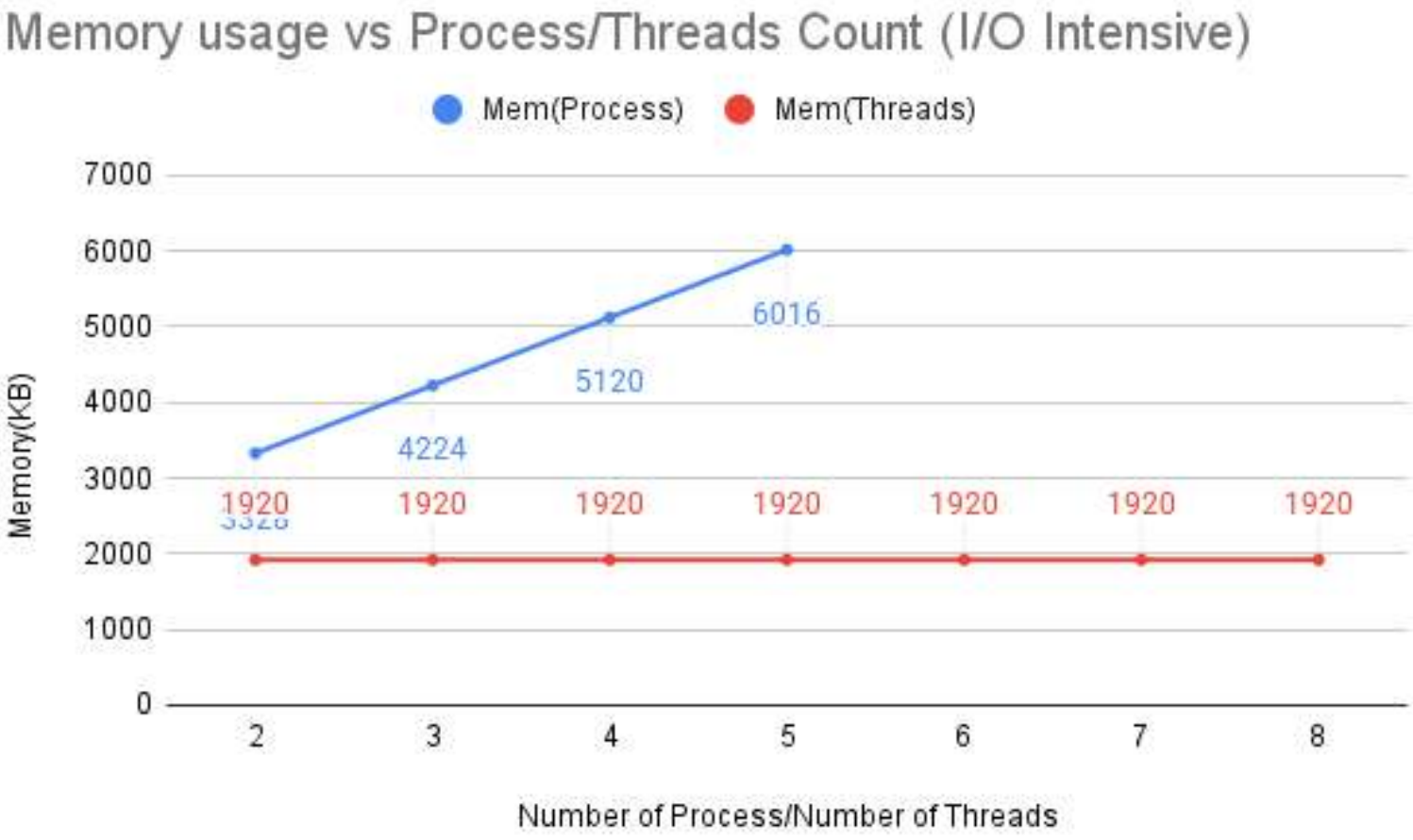

Disk I/O vs Process/Thread Count (CPU-intensive)
IO (PROCESS)
IO(THREAD)
20
15
10
5
0
Disk I/O
2
3
4
5
6
7
8
No. of process/No. of Threads

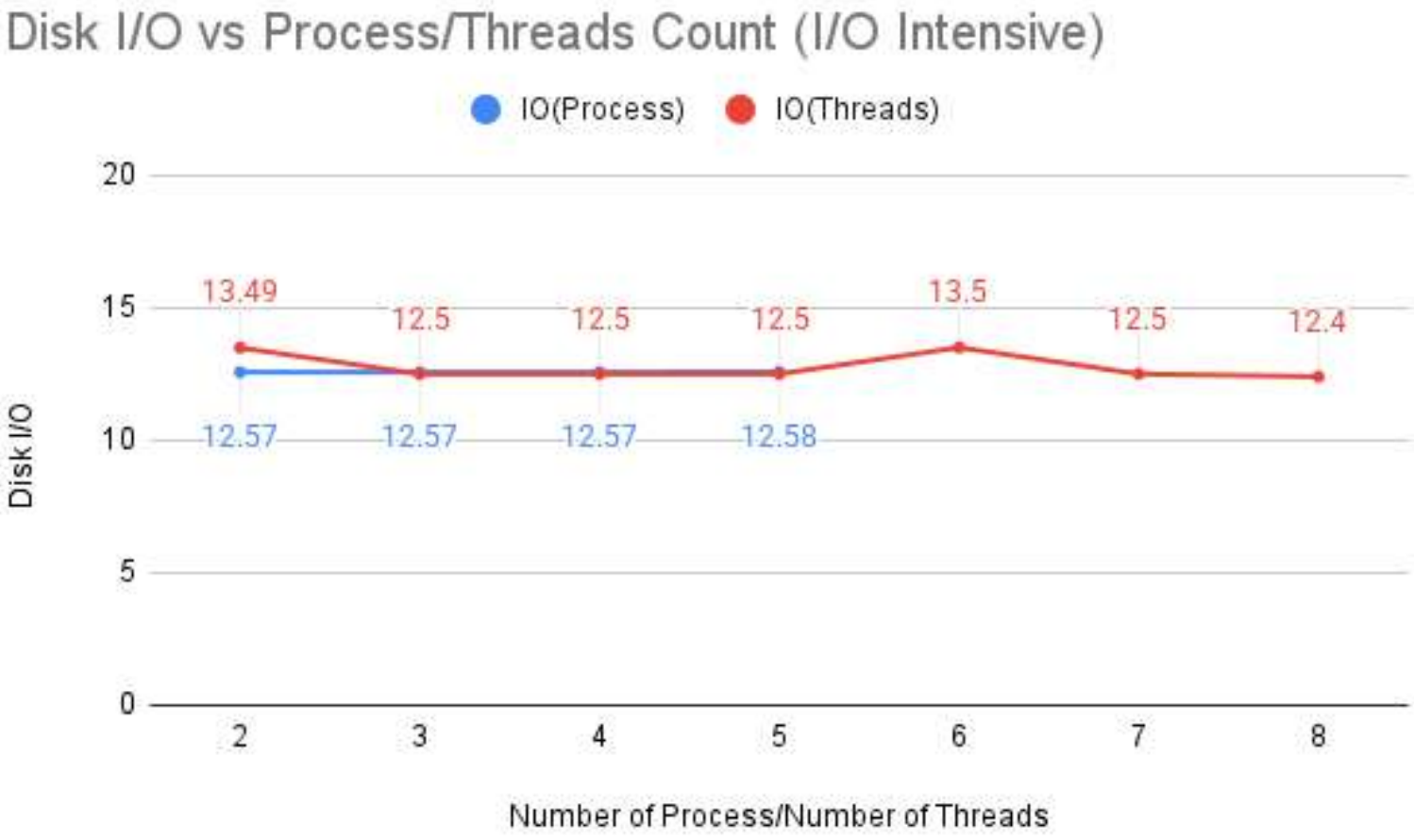

CPU Utilization vs Process/Thread Count (Memory Intensive)
CPU(Process)
CPU(Threads)
CPU(%)
110
100
90
80
70
60
50
40
30
20
10
0
100.67
98.19
101.08
99.65
99.3
99.62
100.08
52.06
34.53
26.76
23.08
2
3
4
5
6
7
8
Number of Process/Number of Threads


Memory usage vs Process/Threads Count (Memory Intensive)
Mem(Process)
Mem(Threads)
35000
30000
25000
20000
15000
10000
5000
0
Memory(KB)
10496
14976
19456
23936
9856
13952
18048
22144
26240
30336
34432
2
3
4
5
6
7
8
Number of Process/Number of Threads


Disk I/O vs Process/Threads Count (Memory Intensive)
IO(Process)
IO(Threads)
15
10
5
0
Disk I/O
9.59
9.59
9.59
9.58
12.55
12.53
11.51
9.58
9.57
9.57
9.48
2
3
4
5
6
7
8
Number of Process/Number of Threads


CPU Utilization vs Process/Threads Count (I/O Intensive)
CPU(Process)
CPU(Threads)
CPU(%)
25
20
15
10
5
0
13.3
10
10
9.75
16.65
22.5
18.8
6.7
6.7
6.7
6.7
2
3
4
5
6
7
8
Number of Process/Number of Threads


Memory usage vs Process/Threads Count (I/O Intensive)
Mem(Process)
Mem(Threads)
7000
6000
5000
4000
3000
2000
1000
0
Memory(KB)
6016
5120
4224
3328
1920
1920
1920
1920
1920
1920
1920
2
3
4
5
6
7
8
Number of Process/Number of Threads


Disk I/O vs Process/Threads Count (I/O Intensive)
IO(Process)
IO(Threads)
20
15
10
5
0
Disk I/O
13.49
12.5
12.5
12.5
13.5
12.5
12.4
12.57
12.57
12.57
12.58
2
3
4
5
6
7
8
Number of Process/Number of Threads