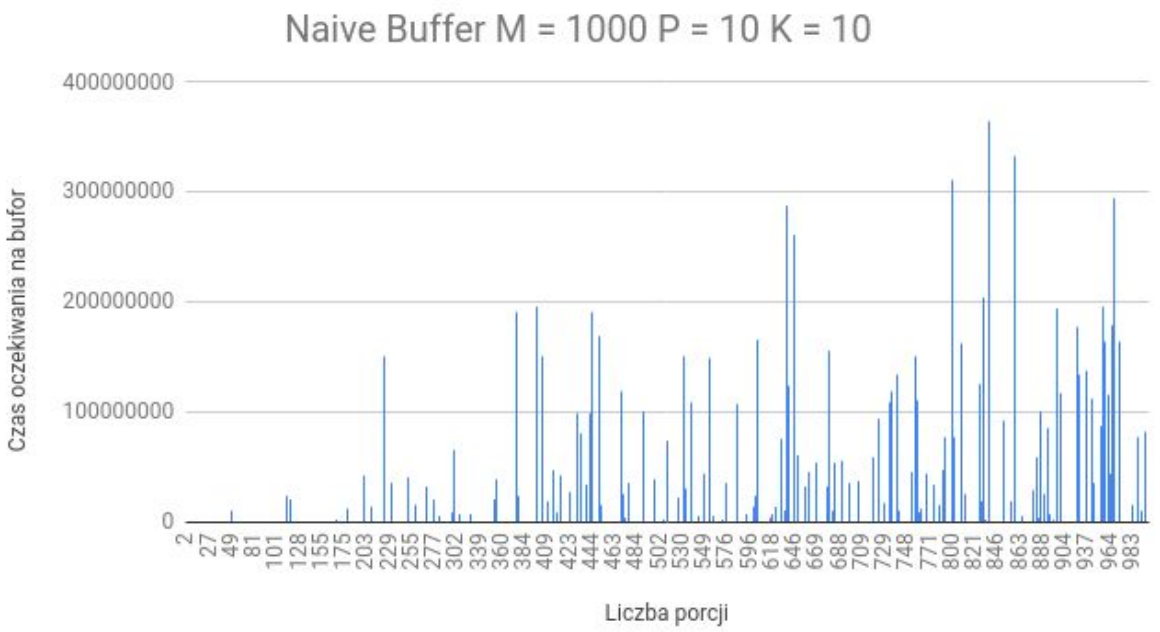
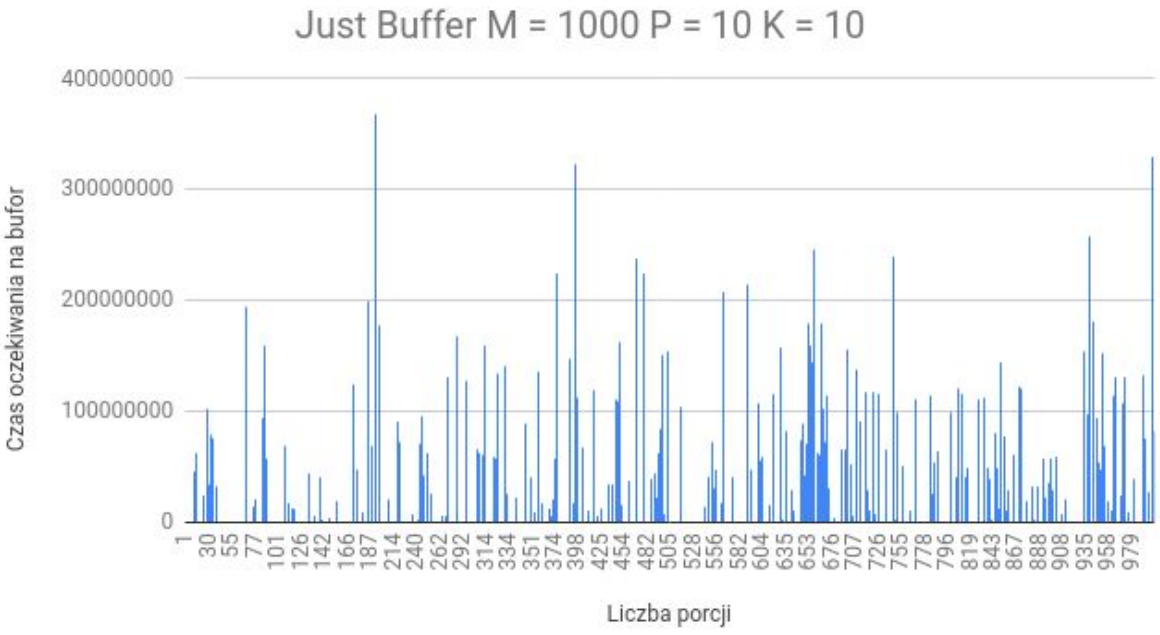
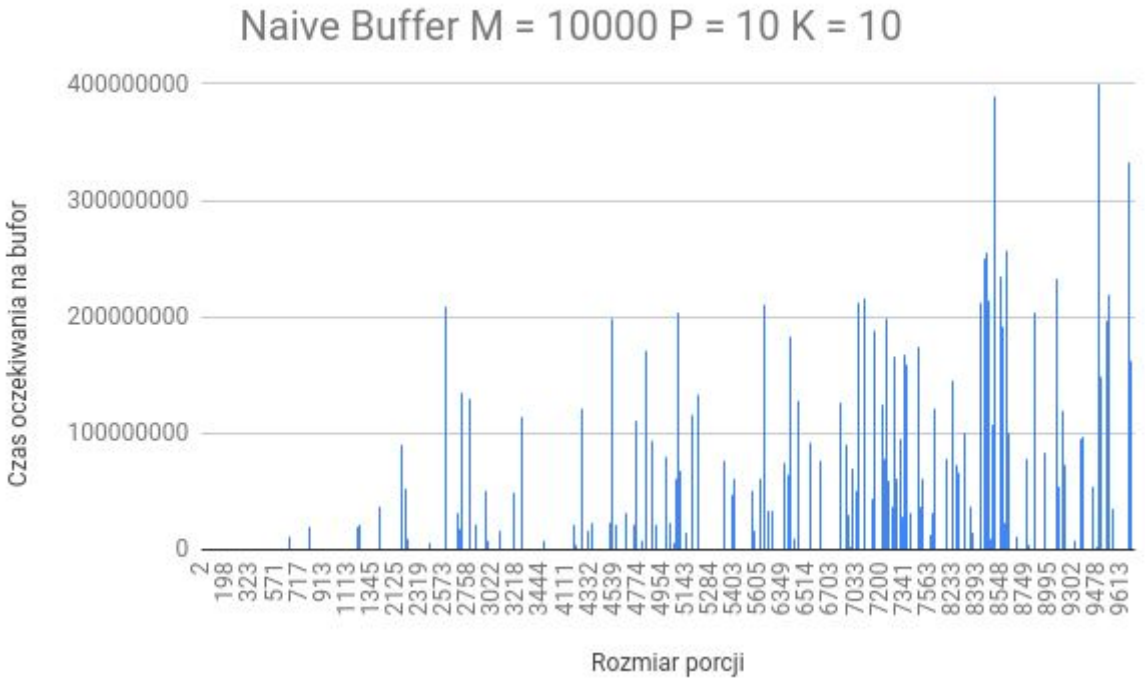
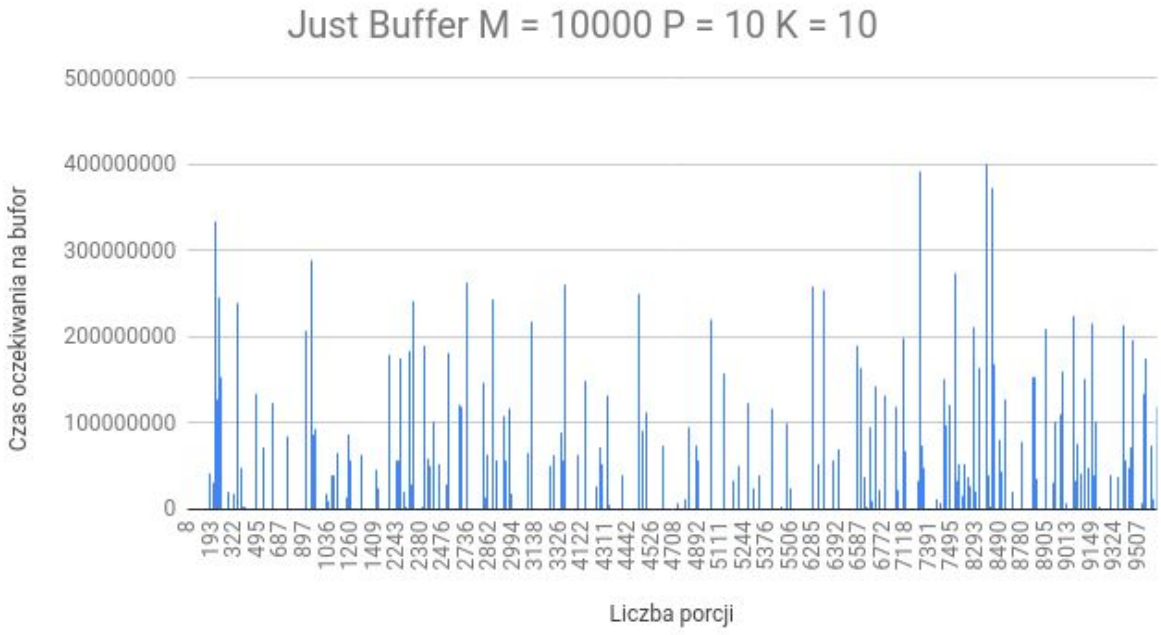
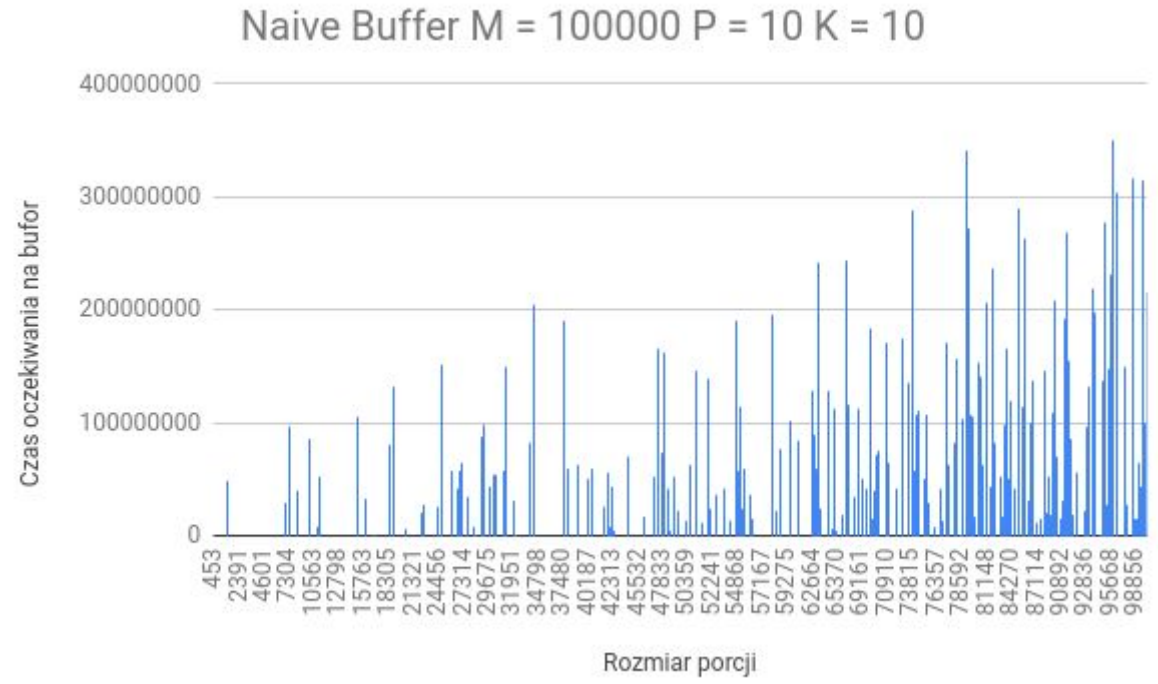
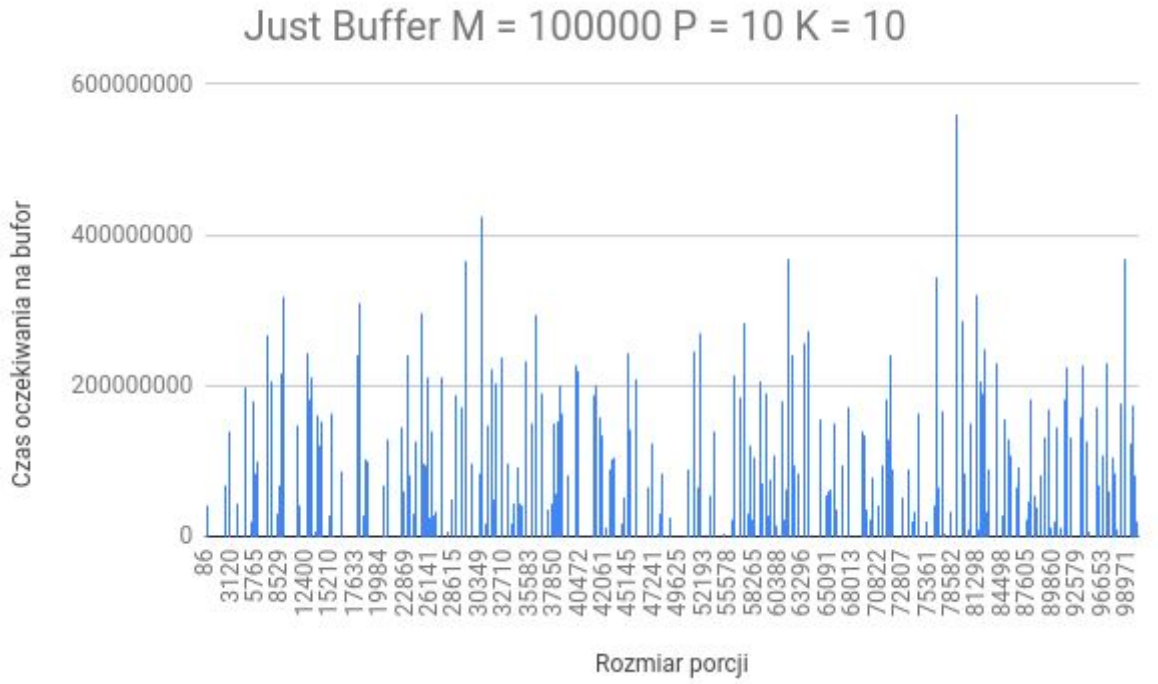

Naive Buffer M = 1000 P = 10 K = 10
Czas oczekiwania na bufor
400000000
300000000
200000000
100000000
0
2 27 49 81 101 128 155 175 203 229 255 277 302 339 360 384 409 423 444 463 484 502 530 549 576 596 618 646 669 688 709 729 748 771 800 821 846 863 888 904 937 964 983
Liczba porcji

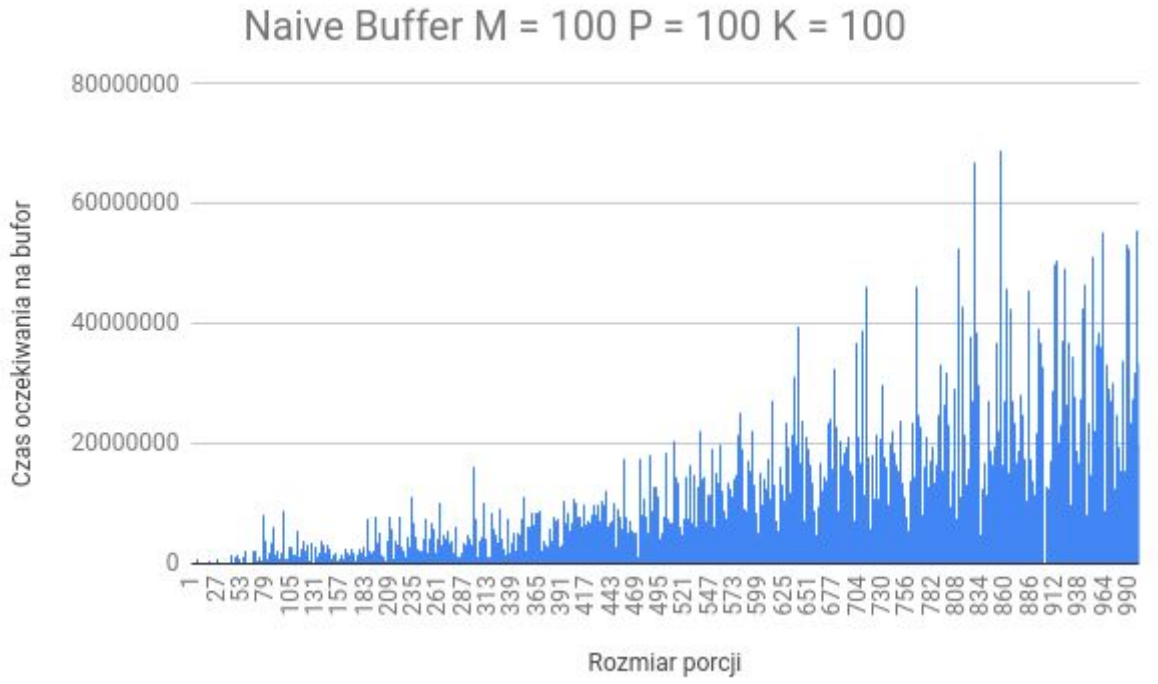

Just Buffer M = 1000 P = 10 K = 10
Czas oczekiwania na bufor
400000000
300000000
200000000
100000000
0
1 30 55 77 101 126 142 166 187 214 240 262 292 314 334 351 374 398 425 454 482 505 528 556 582 604 635 653 676 707 726 755 778 796 819 843 867 888 908 935 958 979
Liczba porcji

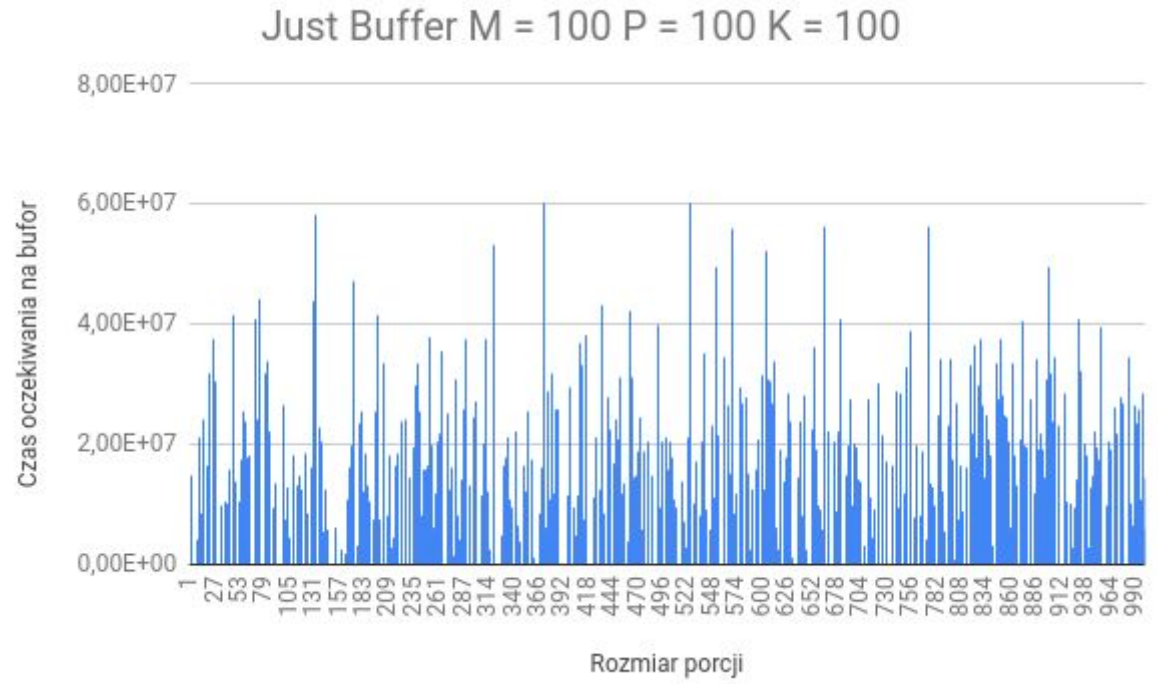

Naive Buffer M = 10000 P = 10 K = 10
Czas oczekiwania na bufor
400000000
300000000
200000000
100000000
0
2
198
323
571
717
913
1113
1345
2125
2319
2573
2758
3022
3218
3444
4111
4332
4539
4774
4954
5143
5284
5403
5605
6349
6514
6703
7033
7200
7341
7563
8233
8393
8548
8749
8995
9302
9478
9613
Rozmiar porcji

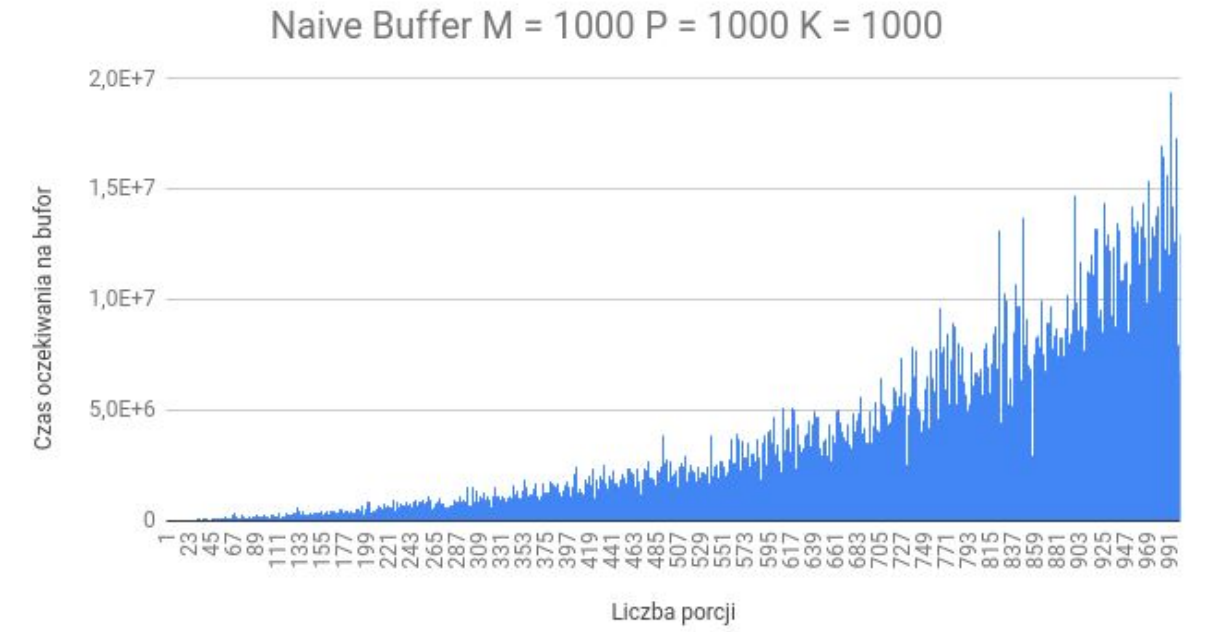

Just Buffer M = 10000 P = 10 K = 10
Czas oczekiwania na bufor
500000000
400000000
300000000
200000000
100000000
0
8
193
322
495
687
897
1036
1260
1409
2243
2380
2476
2736
2862
2994
3138
3326
4122
4311
4442
4526
4708
4892
5111
5244
5376
5506
6285
6392
6587
6772
7118
7391
7495
8293
8490
8780
8905
9013
9149
9324
9507
Liczba porcji

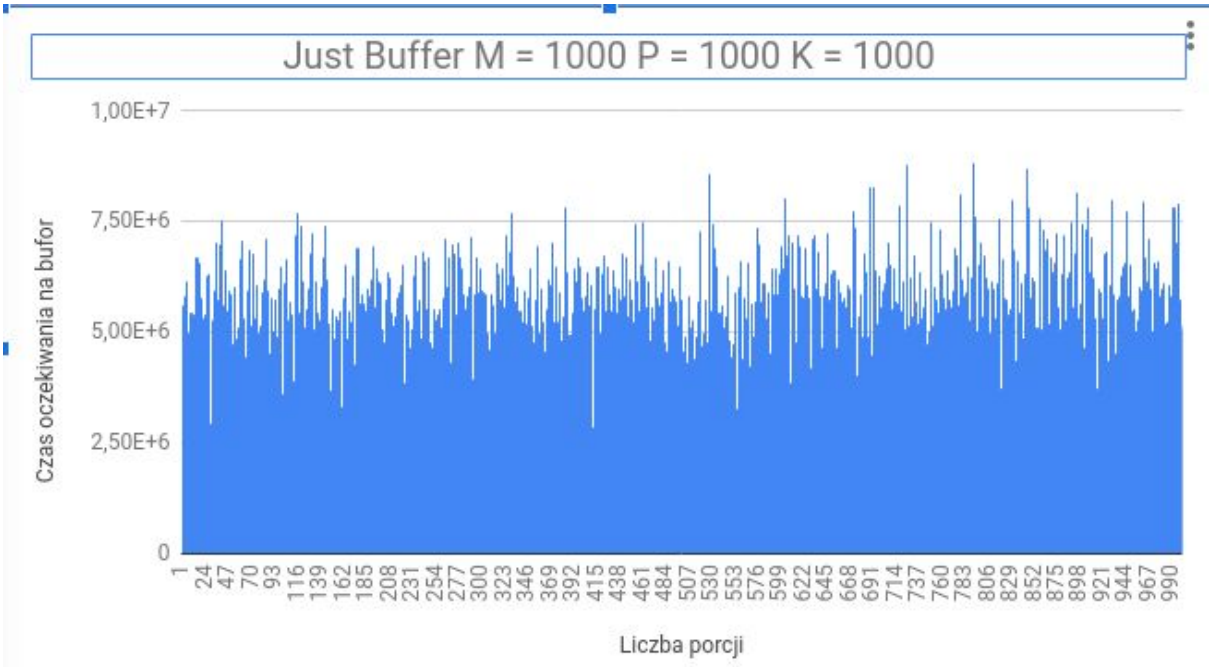

Naive Buffer M = 100000 P = 10 K = 10
Czas oczekiwania na bufor
400000000
300000000
200000000
100000000
0
453
2391
4601
7304
10563
12798
15763
18305
21321
24456
27314
29675
31951
34798
37480
40187
42313
45532
47833
50359
52241
54868
57167
59275
62664
65370
69161
70910
73815
76357
78592
81148
84270
87114
90892
92836
95668
98856
Rozmiar porcji


Just Buffer M = 100000 P = 10 K = 10
Czas oczekiwania na bufor
600000000
400000000
200000000
0
86
3120
5765
8529
12400
15210
17633
19984
22869
26141
28615
30349
32710
35583
37850
40472
42061
45145
47241
49625
52193
55578
58265
60388
63296
65091
68013
70822
72807
75361
78582
81298
84498
87605
89860
92579
96653
98971
Rozmiar porcji


Naive Buffer M = 100 P = 100 K = 100
80000000
60000000
40000000
20000000
0
Czas oczekiwania na bufor
1
27
53
79
105
131
157
183
209
235
261
287
313
339
365
391
417
443
469
495
521
547
573
599
625
651
677
704
730
756
782
808
834
860
886
912
938
964
990
Rozmiar porcji


Just Buffer M = 100 P = 100 K = 100
8,00E+07
6,00E+07
4,00E+07
2,00E+07
0,00E+00
Czas oczekiwania na bufor
1
27
53
79
105
131
157
183
209
235
261
287
314
340
366
392
418
444
470
496
522
548
574
600
626
652
678
704
730
756
782
808
834
860
886
912
938
964
990
Rozmiar porcji


Naive Buffer M = 1000 P = 1000 K = 1000
2,0E+7
1,5E+7
1,0E+7
5,0E+6
0
Czas oczekiwania na bufor
1
23
45
67
89
111
133
155
177
199
221
243
265
287
309
331
353
375
397
419
441
463
485
507
529
551
573
595
617
639
661
683
705
727
749
771
793
815
837
859
881
903
925
947
969
991
Liczba porcji


Just Buffer M = 1000 P = 1000 K = 1000
1,00E+7
7,50E+6
5,00E+6
2,50E+6
0
Czas oczekiwania na bufor
1
24
47
70
93
116
139
162
185
208
231
254
277
300
323
346
369
392
415
438
461
484
507
530
553
576
599
622
645
668
691
714
737
760
783
806
829
852
875
898
921
944
967
990
Liczba porcji