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1 "C:\Program Files\Java\jdk-22\bin\java.exe" "-  
  javaagent:D:\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=  
  58773:D:\IntelliJ IDEA 2024.1.4\bin" -Dfile.encoding=  
  UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.  
  encoding=UTF-8 -classpath "C:\Users\ricar\OneDrive\  
  Área de Trabalho\ATIVIDADE S0\out\production\  
  ATIVIDADE S0" Teste  
2 TESTES SEQUENCIAIS (1 thread):  
3  
4 Tamanho: 10.000 elementos  
5 ArrayList  
6   ->  
7   Add:  1,5 ms (6896552 ops/s) |  
8   Get:  8,1 ms (1230148 ops/s) |  
9   Remove:  7,8 ms (1282528 ops/s)  
10  
11 MyArrayList  
12   ->  
13   Add:  6,3 ms (1596908 ops/s) |  
14   Get:  6,3 ms (1582729 ops/s) |  
15   Remove: 14,2 ms ( 705567 ops/s)  
16  
17  
18 Tamanho: 100.000 elementos  
19 ArrayList  
20   ->  
21   Add: 11,1 ms (9008684 ops/s) |  
22   Get: 30,4 ms (3285518 ops/s) |  
23   Remove:  6,7 ms (14888707 ops/s)  
24  
25 MyArrayList  
26   ->  
27   Add: 14,5 ms (6901454 ops/s) |  
28   Get: 30,5 ms (3280678 ops/s) |  
29   Remove: 20,7 ms (4842287 ops/s)  
30  
31  
32 Tamanho: 500.000 elementos  
33 ArrayList  
34   ->  
35   Add: 18,5 ms (26997111 ops/s) |
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36 Get: 8,1 ms (61818452 ops/s) |
37 Remove: 1,8 ms (280379073 ops/s)
38
39 MyArrayList
40 ->
41 Add: 47,0 ms (10631919 ops/s) |
42 Get: 135,5 ms (3689122 ops/s) |
43 Remove: 75,1 ms (6654901 ops/s)
44
45
46 Tamanho: 1.000.000 elementos
47 ArrayList
48 ->
49 Add: 44,9 ms (22252882 ops/s) |
50 Get: 15,7 ms (63752335 ops/s) |
51 Remove: 2,8 ms (353481796 ops/s)
52
53 MyArrayList
54 ->
55 Add: 127,0 ms (7873117 ops/s) |
56 Get: 251,3 ms (3980071 ops/s) |
57 Remove: 136,5 ms (7324317 ops/s)
58
59
60
61 TESTES PARALELOS (16 threads):
62 Vector -> 2,27 segundos | 211145 ops/s
63 MyArrayList -> 3,86 segundos | 124496 ops/s
64
65 Vector foi 1,7x mais rápido
66
67 Process finished with exit code 0
68
```