ELEC 377 Operating Systems F22

Testing Documentation Lab 4

Kevin Yu: 20203451

Raatik Sharma: 20120770

Lab2_3mons.out.Printer

From the lab2_3mons.out.Printer test cases shown in Figure 1, we can see that the line traces that were extracted from lab2_3mons.out were correct since the regex expression extracted all line traces that matched a machine printer as indicated by "mP". Additionally, the time span for the printer thread calculates the correct time difference as 1666976742.814140 - 1666976719.369969 = 23.44 seconds.

```
≡ lab2_3mons.out.Printer ✕

  ≡ lab2_3mons.out.Printer
   1    ESC[0;33mP [1666976719.369969] Printer Thread: delay 1800ESC[0m
   2    ESC[0;33mP [1666976721.173868] access_summary lockedESC[0m
   3    ESC[0;33mP [1666976721.173871] Printer StepESC[0m
   4    ESC[0;33mP [1666976721.173875] access_summary releasedESC[0m
   5    ESC[0;33mP [1666976722.976425] access_summary lockedESC[0m
   6    ESC[0;33mP [1666976722.976452] Printer StepESC[0m
   7    ESC[0;33mP [1666976722.976571] access_summary releasedESC[0m
   8    ESC[0;33mP [1666976724.778277] access_summary lockedESC[0m
   9    ESC[0;33mP [1666976724.778306] Printer StepESC[0m
  10    ESC[0;33mP [1666976724.778310] access_summary releasedESC[0m
  11    ESC[0;33mP [1666976726.582383] access_summary lockedESC[0m
  12    ESC[0;33mP [1666976726.582387] Printer StepESC[0m
  13    ESC[0;33mP [1666976726.582391] access_summary releasedESC[0m
  14    ESC[0;33mP [1666976728.387356] access_summary lockedESC[0m
  15    ESC[0;33mP [1666976728.387358] Printer StepESC[0m
  16    ESC[0;33mP [1666976728.387363] access_summary releasedESC[0m
  17    ESC[0;33mP [1666976730.192261] access_summary lockedESC[0m
  18    ESC[0;33mP [1666976730.192263] Printer StepESC[0m
  19    ESC[0;33mP [1666976730.192267] access_summary releasedESC[0m
  20    ESC[0;33mP [1666976731.995379] access_summary lockedESC[0m
  21    ESC[0;33mP [1666976731.995382] Printer StepESC[0m
  22    ESC[0;33mP [1666976731.995387] access_summary releasedESC[0m
  23    ESC[0;33mP [1666976733.796468] access_summary lockedESC[0m
  24    ESC[0;33mP [1666976733.796472] Printer StepESC[0m
  25    ESC[0;33mP [1666976733.796476] access_summary releasedESC[0m
  26    ESC[0;33mP [1666976735.598666] access_summary lockedESC[0m
  27    ESC[0;33mP [1666976735.598670] Printer StepESC[0m
  28    ESC[0;33mP [1666976735.598674] access_summary releasedESC[0m
  29    ESC[0;33mP [1666976737.403483] access_summary lockedESC[0m
  30    ESC[0;33mP [1666976737.403485] Printer StepESC[0m
  31    ESC[0;33mP [1666976737.403489] access_summary releasedESC[0m
  32    ESC[0;33mP [1666976739.205491] access_summary lockedESC[0m
  33    ESC[0;33mP [1666976739.205494] Printer StepESC[0m
  34    ESC[0;33mP [1666976739.205520] access_summary releasedESC[0m
  35    ESC[0;33mP [1666976741.009263] access_summary lockedESC[0m
  36    ESC[0;33mP [1666976741.009267] Printer StepESC[0m
  37    ESC[0;33mP [1666976741.009304] access_summary releasedESC[0m
  38    ESC[0;33mP [1666976742.814131] access_summary lockedESC[0m
  39    ESC[0;33mP [1666976742.814135] Printer StepESC[0m
  40    ESC[0;33mP [1666976742.814140] access_summary releasedESC[0m
  41    Time Span: 23.44
  42
```

Lab2_3mons.out.Reader

From the lab2_3mons.out.Printer test cases shown in Figure 1, we can see that the line traces that were extracted from lab2_3mons.out were correct since the regex expression extracted all line traces that matched a machine reader as indicated by "mR". Additionally, the time span for the printer thread calculates the correct time difference as 1666976741.431129 - 1666976719.369965 = 22.06 seconds.

Lab2_4mons.out.Printer

For lab2_4mons.out.Printer, we see the similar results with lab2_3mons.out.Printer. This indicates that the bash script is working even with different input files.

```
≡ lab2_4mons.out.Printer ✕

≡ lab2_4mons.out.Printer
   1    esc[0;33mP [1667150508.423117] Printer Thread: delay 1800esc[0m
   2    esc[0;33mP [1667150510.225490] access_summary lockedesc[0m
   3    esc[0;33mP [1667150510.225511] Printer Stepesc[0m
   4    esc[0;33mP [1667150510.225515] access_summary releasedesc[0m
   5    esc[0;33mP [1667150512.030231] access_summary lockedesc[0m
   6    esc[0;33mP [1667150512.030235] Printer Stepesc[0m
   7    esc[0;33mP [1667150512.030239] access_summary releasedesc[0m
   8    esc[0;33mP [1667150513.833279] access_summary lockedesc[0m
   9    esc[0;33mP [1667150513.833283] Printer Stepesc[0m
  10    esc[0;33mP [1667150513.833287] access_summary releasedesc[0m
  11    esc[0;33mP [1667150515.636301] access_summary lockedesc[0m
  12    esc[0;33mP [1667150515.636332] Printer Stepesc[0m
  13    esc[0;33mP [1667150515.636444] access_summary releasedesc[0m
  14    esc[0;33mP [1667150517.441359] access_summary lockedesc[0m
  15    esc[0;33mP [1667150517.441361] Printer Stepesc[0m
  16    esc[0;33mP [1667150517.441366] access_summary releasedesc[0m
  17    esc[0;33mP [1667150519.243317] access_summary lockedesc[0m
  18    esc[0;33mP [1667150519.243320] Printer Stepesc[0m
  19    esc[0;33mP [1667150519.243325] access_summary releasedesc[0m
  20    esc[0;33mP [1667150521.045155] access_summary lockedesc[0m
  21    esc[0;33mP [1667150521.045158] Printer Stepesc[0m
  22    esc[0;33mP [1667150521.045163] access_summary releasedesc[0m
  23    esc[0;33mP [1667150522.849501] access_summary lockedesc[0m
  24    esc[0;33mP [1667150522.849505] Printer Stepesc[0m
  25    esc[0;33mP [1667150522.849509] access_summary releasedesc[0m
  26    esc[0;33mP [1667150524.654067] access_summary lockedesc[0m
  27    esc[0;33mP [1667150524.654069] Printer Stepesc[0m
  28    esc[0;33mP [1667150524.654074] access_summary releasedesc[0m
  29    esc[0;33mP [1667150526.457140] access_summary lockedesc[0m
  30    esc[0;33mP [1667150526.457142] Printer Stepesc[0m
  31    esc[0;33mP [1667150526.457147] access_summary releasedesc[0m
  32    esc[0;33mP [1667150528.260374] access_summary lockedesc[0m
  33    esc[0;33mP [1667150528.260377] Printer Stepesc[0m
  34    esc[0;33mP [1667150528.260382] access_summary releasedesc[0m
  35    esc[0;33mP [1667150530.062423] access_summary lockedesc[0m
  36    esc[0;33mP [1667150530.062426] Printer Stepesc[0m
  37    esc[0;33mP [1667150530.062431] access_summary releasedesc[0m
  38    esc[0;33mP [1667150531.865081] access_summary lockedesc[0m
  39    esc[0;33mP [1667150531.865090] Printer Stepesc[0m
  40    esc[0;33mP [1667150531.865105] access_summary releasedesc[0m
  41    Time Span: 23.44
  42
```

Lab2_4mons.out.Read

For lab2_4mons.out.Reader, we see the similar results with lab2_3mons.out.Reader. This indicates that the bash script is working even with different input files.

Lab 2 Test Cases

The following images are the test results from running the bash script on the lab2 test files. Each of these images produces a similar output as the test cases above. This shows that the script is running accordingly as the correct line traces for reader and printer machines are being extracted in their appropriate files, and the proper time span is being calculated.

Test1.txt.Printer

```
Test1.txt.Printer ×

Test1.txt.Printer
    1    esc[0;33mP [1667505899.206394] Printer Thread: delay 1500esc[0m
    2    esc[0;33mP [1667505900.706469] Printer Stepesc[0m
    3    esc[0;33mP [1667505902.206543] Printer Stepesc[0m
    4    esc[0;33mP [1667505903.706624] Printer Stepesc[0m
    5    esc[0;33mP [1667505905.206702] Printer Stepesc[0m
    6    esc[0;33mP [1667505906.706803] Printer Stepesc[0m
    7    esc[0;33mP [1667505908.206912] Printer Stepesc[0m
    8    esc[0;33mP [1667505909.706978] Printer Stepesc[0m
    9    esc[0;33mP [1667505911.207045] Printer Stepesc[0m
   10    esc[0;33mP [1667505912.707112] Printer Stepesc[0m
   11    esc[0;33mP [1667505914.207178] Printer Stepesc[0m
   12    esc[0;33mP [1667505915.707244] Printer Stepesc[0m
   13    esc[0;33mP [1667505917.207309] Printer Stepesc[0m
   14    esc[0;33mP [1667505918.707374] Printer Stepesc[0m
   15    esc[0;33mP [1667505920.207437] Printer Stepesc[0m
   16    esc[0;33mP [1667505921.707615] Printer Stepesc[0m
   17    Time Span: 22.50
   18
```

Test1.txt.Reader

```
Test1.txt.Reader ×

Test1.txt.Reader
    1    esc[0;33mR [1667505899.206403] Reader Thread: 3 machinesesc[0m
    2    esc[0;33mR [1667505900.206562] Reader Thread loop startesc[0m
    3    esc[0;33mR [1667505900.206570] Reader Thread loop accessing_stats lock acquiredesc[0m
    4    esc[0;35mR [1667505900.206573] Total procs: 12, Load Factor: 1.100000, Packets per second: 16, Discards per second: 38esc[0m
    5    esc[0;33mR [1667505900.206580] Reader Thread loop accessing_stats lock releasedesc[0m
    6    esc[0;33mR [1667505901.425478] Reader Thread loop endesc[0m
    7    esc[0;33mR [1667505901.425484] Reader Thread loop startesc[0m
    8    esc[0;33mR [1667505901.425485] Reader Thread loop accessing_stats lock acquiredesc[0m
    9    esc[0;35mR [1667505901.425486] Total procs: 23, Load Factor: 1.400000, Packets per second: 97, Discards per second: 69esc[0m
   10    esc[0;33mR [1667505901.425491] Reader Thread loop accessing_stats lock releasedesc[0m
   11    esc[0;33mR [1667505902.591796] Reader Thread loop endesc[0m
```

```
Test1.txt.Reader ×

Test1.txt.Reader
   93    esc[0;33mR [1667505915.455534] Reader Thread loop accessing_stats lock acquiredesc[0m
   94    esc[0;35mR [1667505915.455534] Total procs: 38, Load Factor: 3.700000, Packets per second: 263, Discards per second: 119esc[0m
   95    esc[0;33mR [1667505915.455538] Reader Thread loop accessing_stats lock releasedesc[0m
   96    esc[0;33mR [1667505916.266569] Reader Thread loop endesc[0m
   97    esc[0;33mR [1667505916.266572] Reader Thread loop startesc[0m
   98    esc[0;33mR [1667505916.266573] Reader Thread loop accessing_stats lock acquiredesc[0m
   99    esc[0;35mR [1667505916.266573] Total procs: 38, Load Factor: 3.700000, Packets per second: 263, Discards per second: 119esc[0m
  100    esc[0;33mR [1667505916.266576] Reader Thread loop accessing_stats lock releasedesc[0m
  101    esc[0;33mR [1667505917.032501] Reader Thread loop endesc[0m
  102    esc[0;33mR [1667505917.032504] Reader Thread loop startesc[0m
  103    esc[0;33mR [1667505917.032505] Reader Thread loop accessing_stats lock acquiredesc[0m
  104    esc[0;35mR [1667505917.032506] Total procs: 38, Load Factor: 3.700000, Packets per second: 263, Discards per second: 119esc[0m
  105    esc[0;33mR [1667505917.032509] Reader Thread loop accessing_stats lock releasedesc[0m
  106    esc[0;33mR [1667505917.808746] Reader Thread loop endesc[0m
  107    esc[0;33mR [1667505917.808749] Reader Thread loop startesc[0m
  108    esc[0;33mR [1667505917.808750] Reader Thread loop accessing_stats lock acquiredesc[0m
  109    esc[0;35mR [1667505917.808751] Total procs: 38, Load Factor: 3.700000, Packets per second: 263, Discards per second: 119esc[0m
  110    esc[0;33mR [1667505917.808754] Reader Thread loop accessing_stats lock releasedesc[0m
  111    esc[0;33mR [1667505918.630881] Reader Thread loop endesc[0m
  112    esc[0;33mR [1667505918.630883] Reader Thread loop startesc[0m
  113    esc[0;33mR [1667505918.630884] Reader Thread loop accessing_stats lock acquiredesc[0m
  114    esc[0;35mR [1667505918.630885] Total procs: 43, Load Factor: 4.100000, Packets per second: 269, Discards per second: 128esc[0m
  115    esc[0;33mR [1667505918.630888] Reader Thread loop accessing_stats lock releasedesc[0m
  116    esc[0;33mR [1667505919.409804] Reader Thread loop endesc[0m
  117    esc[0;33mR [1667505919.409807] Reader Thread loop startesc[0m
  118    esc[0;33mR [1667505919.409808] Reader Thread loop accessing_stats lock acquiredesc[0m
  119    esc[0;35mR [1667505919.409809] Total procs: 43, Load Factor: 4.100000, Packets per second: 269, Discards per second: 128esc[0m
  120    esc[0;33mR [1667505919.409811] Reader Thread loop accessing_stats lock releasedesc[0m
  121    esc[0;33mR [1667505920.174938] Reader Thread loop endesc[0m
  122    esc[0;33mR [1667505920.174941] Reader Thread loop startesc[0m
  123    esc[0;33mR [1667505920.174941] Reader Thread loop accessing_stats lock acquiredesc[0m
  124    esc[0;35mR [1667505920.174942] Total procs: 44, Load Factor: 4.800000, Packets per second: 271, Discards per second: 147esc[0m
  125    esc[0;33mR [1667505920.174944] Reader Thread loop accessing_stats lock releasedesc[0m
  126    esc[0;33mR [1667505920.988460] Reader Thread loop endesc[0m
  127    Time Span: 21.78
  128
```

Test2.txt.Printer

```
Test2.txt.Printer ×
  Test2.txt.Printer
   1    ESC[0;33mP [1667505930.741812] Printer Thread: delay 1500ESC[0m
   2    ESC[0;33mP [1667505932.241886] Printer StepESC[0m
   3    ESC[0;33mP [1667505933.741972] Printer StepESC[0m
   4    ESC[0;33mP [1667505935.242049] Printer StepESC[0m
   5    ESC[0;33mP [1667505936.742132] Printer StepESC[0m
   6    ESC[0;33mP [1667505938.242201] Printer StepESC[0m
   7    ESC[0;33mP [1667505939.742269] Printer StepESC[0m
   8    ESC[0;33mP [1667505941.242334] Printer StepESC[0m
   9    ESC[0;33mP [1667505942.742400] Printer StepESC[0m
  10    ESC[0;33mP [1667505944.242466] Printer StepESC[0m
  11    ESC[0;33mP [1667505945.742535] Printer StepESC[0m
  12    ESC[0;33mP [1667505947.242609] Printer StepESC[0m
  13    ESC[0;33mP [1667505948.742678] Printer StepESC[0m
  14    ESC[0;33mP [1667505950.242744] Printer StepESC[0m
  15    ESC[0;33mP [1667505951.742848] Printer StepESC[0m
  16    ESC[0;33mP [1667505953.243029] Printer StepESC[0m
  17    Time Span: 22.50
  18
```

Test2.txt.Reader

```
Test2.txt.Reader ×
  Test2.txt.Reader
   1    esc[0;33mR [1667505930.741821] Reader Thread: 3 machinesesc[0m
   2    esc[0;33mR [1667505931.741977] Reader Thread loop startesc[0m
   3    esc[0;33mR [1667505931.741985] Reader Thread loop accessing_stats lock acquiredesc[0m
   4    esc[0;35mR [1667505931.741988] Total procs: 12, Load Factor: 1.100000, Packets per second: 16, Discards per second: 38esc[0m
   5    esc[0;33mR [1667505931.741995] Reader Thread loop accessing_stats lock releasedesc[0m
   6    esc[0;33mR [1667505932.963759] Reader Thread loop endesc[0m
   7    esc[0;33mR [1667505932.963767] Reader Thread loop startesc[0m
   8    esc[0;33mR [1667505932.963773] Reader Thread loop accessing_stats lock acquiredesc[0m
   9    esc[0;35mR [1667505932.963773] Total procs: 23, Load Factor: 1.400000, Packets per second: 97, Discards per second: 69esc[0m
  10    esc[0;33mR [1667505932.963777] Reader Thread loop accessing_stats lock releasedesc[0m
  11    esc[0;33mR [1667505934.110379] Reader Thread loop endesc[0m
```

```
 97    esc[0;33mR [1667505947.620615] Reader Thread loop startesc[0m
 98    esc[0;33mR [1667505947.620616] Reader Thread loop accessing_stats lock acquiredesc[0m
 99    esc[0;35mR [1667505947.620616] Total procs: 38, Load Factor: 3.700001, Packets per second: 263, Discards per second: 119esc[0m
100    esc[0;33mR [1667505947.620619] Reader Thread loop accessing_stats lock releasedesc[0m
101    esc[0;33mR [1667505948.376976] Reader Thread loop endesc[0m
102    esc[0;33mR [1667505948.376979] Reader Thread loop startesc[0m
103    esc[0;33mR [1667505948.376980] Reader Thread loop accessing_stats lock acquiredesc[0m
104    esc[0;35mR [1667505948.376981] Total procs: 38, Load Factor: 3.700001, Packets per second: 263, Discards per second: 119esc[0m
105    esc[0;33mR [1667505948.376984] Reader Thread loop accessing_stats lock releasedesc[0m
106    esc[0;33mR [1667505949.144366] Reader Thread loop endesc[0m
107    esc[0;33mR [1667505949.144370] Reader Thread loop startesc[0m
108    esc[0;33mR [1667505949.144371] Reader Thread loop accessing_stats lock acquiredesc[0m
109    esc[0;35mR [1667505949.144371] Total procs: 38, Load Factor: 3.700001, Packets per second: 263, Discards per second: 119esc[0m
110    esc[0;33mR [1667505949.144375] Reader Thread loop accessing_stats lock releasedesc[0m
111    esc[0;33mR [1667505949.911562] Reader Thread loop endesc[0m
112    esc[0;33mR [1667505949.911564] Reader Thread loop startesc[0m
113    esc[0;33mR [1667505949.911565] Reader Thread loop accessing_stats lock acquiredesc[0m
114    esc[0;35mR [1667505949.911565] Total procs: 43, Load Factor: 4.100000, Packets per second: 269, Discards per second: 128esc[0m
115    esc[0;33mR [1667505949.911567] Reader Thread loop accessing_stats lock releasedesc[0m
116    esc[0;33mR [1667505950.693354] Reader Thread loop endesc[0m
117    esc[0;33mR [1667505950.693357] Reader Thread loop startesc[0m
118    esc[0;33mR [1667505950.693358] Reader Thread loop accessing_stats lock acquiredesc[0m
119    esc[0;35mR [1667505950.693359] Total procs: 43, Load Factor: 4.100000, Packets per second: 269, Discards per second: 128esc[0m
120    esc[0;33mR [1667505950.693362] Reader Thread loop accessing_stats lock releasedesc[0m
121    esc[0;33mR [1667505951.471626] Reader Thread loop endesc[0m
122    esc[0;33mR [1667505951.471628] Reader Thread loop startesc[0m
123    esc[0;33mR [1667505951.471629] Reader Thread loop accessing_stats lock acquiredesc[0m
124    esc[0;35mR [1667505951.471629] Total procs: 44, Load Factor: 4.800000, Packets per second: 271, Discards per second: 147esc[0m
125    esc[0;33mR [1667505951.471632] Reader Thread loop accessing_stats lock releasedesc[0m
126    esc[0;33mR [1667505952.276195] Reader Thread loop endesc[0m
127    esc[0;33mR [1667505952.276198] Reader Thread loop startesc[0m
128    esc[0;33mR [1667505952.276199] Reader Thread loop accessing_stats lock acquiredesc[0m
129    esc[0;35mR [1667505952.276200] Total procs: 44, Load Factor: 4.800000, Packets per second: 271, Discards per second: 147esc[0m
130    esc[0;33mR [1667505952.276202] Reader Thread loop accessing_stats lock releasedesc[0m
131    esc[0;33mR [1667505953.046113] Reader Thread loop endesc[0m
132    Time Span: 22.30
133
```

Test3.txt.Printer

```
 1    esc[0;33mP [1667505958.738666] Printer Thread: delay 1500esc[0m
 2    esc[0;33mP [1667505960.238736] Printer Stepesc[0m
 3    esc[0;33mP [1667505961.738821] Printer Stepesc[0m
 4    esc[0;33mP [1667505963.238890] Printer Stepesc[0m
 5    esc[0;33mP [1667505964.738956] Printer Stepesc[0m
 6    esc[0;33mP [1667505966.239019] Printer Stepesc[0m
 7    esc[0;33mP [1667505967.739082] Printer Stepesc[0m
 8    esc[0;33mP [1667505969.239146] Printer Stepesc[0m
 9    esc[0;33mP [1667505970.739211] Printer Stepesc[0m
10    esc[0;33mP [1667505972.239277] Printer Stepesc[0m
11    esc[0;33mP [1667505973.739344] Printer Stepesc[0m
12    esc[0;33mP [1667505975.239413] Printer Stepesc[0m
13    esc[0;33mP [1667505976.739488] Printer Stepesc[0m
14    esc[0;33mP [1667505978.239555] Printer Stepesc[0m
15    esc[0;33mP [1667505979.739654] Printer Stepesc[0m
16    esc[0;33mP [1667505981.239941] Printer Stepesc[0m
17    Time Span: 22.50
18
```

Test3.txt.Reader


```
1   esc[0;33mR [1667505958.738675] Reader Thread: 3 machinesesc[0m
2   esc[0;33mR [1667505959.738745] Reader Thread loop startesc[0m
3   esc[0;33mR [1667505959.738749] Reader Thread loop accessing_stats lock acquiredesc[0m
4   esc[0;35mR [1667505959.738751] Total procs: 12, Load Factor: 1.100000, Packets per second: 16, Discards per second: 38esc[0m
5   esc[0;33mR [1667505959.738754] Reader Thread loop accessing_stats lock releasedesc[0m
6   esc[0;33mR [1667505960.889054] Reader Thread loop endesc[0m
7   esc[0;33mR [1667505960.889066] Reader Thread loop startesc[0m
8   esc[0;33mR [1667505960.889067] Reader Thread loop accessing_stats lock acquiredesc[0m
9   esc[0;35mR [1667505960.889068] Total procs: 23, Load Factor: 1.400000, Packets per second: 97, Discards per second: 69esc[0m
10  esc[0;33mR [1667505960.889071] Reader Thread loop accessing_stats lock releasedesc[0m
11  esc[0;33mR [1667505962.000250] Reader Thread loop endesc[0m
12  esc[0;33mR [1667505962.000253] Reader Thread loop startesc[0m
13  esc[0;33mR [1667505962.000254] Reader Thread loop accessing_stats lock acquiredesc[0m
14  esc[0;35mR [1667505962.000255] Total procs: 23, Load Factor: 1.400000, Packets per second: 97, Discards per second: 69esc[0m
15  esc[0;33mR [1667505962.000259] Reader Thread loop accessing_stats lock releasedesc[0m
16  esc[0;33mR [1667505963.101782] Reader Thread loop endesc[0m
```



```
90   esc[0;33mR [1667505973.885625] Reader Thread loop accessing_stats lock releasedesc[0m
91   esc[0;33mR [1667505974.677557] Reader Thread loop endesc[0m
92   esc[0;33mR [1667505974.677560] Reader Thread loop startesc[0m
93   esc[0;33mR [1667505974.677561] Reader Thread loop accessing_stats lock acquiredesc[0m
94   esc[0;35mR [1667505974.677562] Total procs: 38, Load Factor: 3.700001, Packets per second: 263, Discards per second: 119esc[0m
95   esc[0;33mR [1667505974.677566] Reader Thread loop accessing_stats lock releasedesc[0m
96   esc[0;33mR [1667505975.440834] Reader Thread loop endesc[0m
97   esc[0;33mR [1667505975.440836] Reader Thread loop startesc[0m
98   esc[0;33mR [1667505975.440837] Reader Thread loop accessing_stats lock acquiredesc[0m
99   esc[0;35mR [1667505975.440837] Total procs: 38, Load Factor: 3.700001, Packets per second: 263, Discards per second: 119esc[0m
100  esc[0;33mR [1667505975.440840] Reader Thread loop accessing_stats lock releasedesc[0m
101  esc[0;33mR [1667505976.215548] Reader Thread loop endesc[0m
102  esc[0;33mR [1667505976.215551] Reader Thread loop startesc[0m
103  esc[0;33mR [1667505976.215552] Reader Thread loop accessing_stats lock acquiredesc[0m
104  esc[0;35mR [1667505976.215552] Total procs: 38, Load Factor: 3.700001, Packets per second: 263, Discards per second: 119esc[0m
105  esc[0;33mR [1667505976.215555] Reader Thread loop accessing_stats lock releasedesc[0m
106  esc[0;33mR [1667505977.022589] Reader Thread loop endesc[0m
107  esc[0;33mR [1667505977.022592] Reader Thread loop startesc[0m
108  esc[0;33mR [1667505977.022593] Reader Thread loop accessing_stats lock acquiredesc[0m
109  esc[0;35mR [1667505977.022593] Total procs: 38, Load Factor: 3.700001, Packets per second: 263, Discards per second: 119esc[0m
110  esc[0;33mR [1667505977.022596] Reader Thread loop accessing_stats lock releasedesc[0m
111  esc[0;33mR [1667505977.863229] Reader Thread loop endesc[0m
112  esc[0;33mR [1667505977.863231] Reader Thread loop startesc[0m
113  esc[0;33mR [1667505977.863232] Reader Thread loop accessing_stats lock acquiredesc[0m
114  esc[0;35mR [1667505977.863232] Total procs: 43, Load Factor: 4.100000, Packets per second: 269, Discards per second: 128esc[0m
115  esc[0;33mR [1667505977.863234] Reader Thread loop accessing_stats lock releasedesc[0m
116  esc[0;33mR [1667505978.670854] Reader Thread loop endesc[0m
117  esc[0;33mR [1667505978.670858] Reader Thread loop startesc[0m
118  esc[0;33mR [1667505978.670859] Reader Thread loop accessing_stats lock acquiredesc[0m
119  esc[0;35mR [1667505978.670860] Total procs: 43, Load Factor: 4.100000, Packets per second: 269, Discards per second: 128esc[0m
120  esc[0;33mR [1667505978.670862] Reader Thread loop accessing_stats lock releasedesc[0m
121  esc[0;33mR [1667505979.449040] Reader Thread loop endesc[0m
122  esc[0;33mR [1667505979.449043] Reader Thread loop startesc[0m
123  esc[0;33mR [1667505979.449044] Reader Thread loop accessing_stats lock acquiredesc[0m
124  esc[0;35mR [1667505979.449044] Total procs: 44, Load Factor: 4.800000, Packets per second: 271, Discards per second: 147esc[0m
125  esc[0;33mR [1667505979.449047] Reader Thread loop accessing_stats lock releasedesc[0m
126  esc[0;33mR [1667505980.208007] Reader Thread loop endesc[0m
127  esc[0;33mR [1667505980.208009] Reader Thread loop startesc[0m
128  esc[0;33mR [1667505980.208010] Reader Thread loop accessing_stats lock acquiredesc[0m
129  esc[0;35mR [1667505980.208010] Total procs: 44, Load Factor: 4.800000, Packets per second: 271, Discards per second: 147esc[0m
130  esc[0;33mR [1667505980.208012] Reader Thread loop accessing_stats lock releasedesc[0m
131  esc[0;33mR [1667505980.966353] Reader Thread loop endesc[0m
132  Time Span: 22.23
133
```