Данные о текущей конфигурации операционной системы:

* Общий объем оперативной памяти – 1915801600 байт
* Объем раздела подкачки – 859828224 байта
* Размер страничной виртуальной памяти – 4096 байт
* Объем свободной физической памяти в ненагруженной системе – 1434103808 байт
* Объем свободного пространства в разделе подкачки в ненагруженной системе – 859828224 байт

Задание №1:

Этап 1:

Аварийная остановка:

* Последняя запись журнала:

“Out of memory: Killed process 1631 (mem.bash) total-vm:2628188kB, anon-rss:1657904kB, file-rss:0kB, shmem-rss:0kB, UID:0

oom-reaper: reaped process 1631 (mem.bash), now anon-rss:0kB, file-rss:0kB, shmem-rss:0kB”

* Значения в файле report.log: 30000010

Наблюдение (обновление раз в 10 секунд): см. Приложение 1

Системный журнал:

“[1435] 0 1435 653780 402024 4866048 196208 0 mem.bash

Out of memory: Killed process 1435 (mem.bash) total-vm:2615120kB, anon-rss:1608096kB, file-rss:0kB, shmem-rss:0kB, UID:0

oom-reaper: reaped process 1435 (mem.bash), now anon-rss:0kB, file-rss:0kB, shmem-rss:0kB”

Значения в файле report.log: 30000010

График:

Этап 2:

Наблюдение (обновление раз в 10 секунд): см. Приложение 2

Системный журнал:

“mem.bash invoked oom-killer: gfp\_mask=0x6200ca(GFP\_HIGHUSER\_MOVABLE), nodemask=(null), order=0, oom\_score\_adj=0

mem.bash cpuset=/ mems\_allowed=0

CPU: 0 PID: 1487 Comm: mem.bash Kdump: loaded Tainted: 6 ------------ - 4.18.0-193.e18.x84\_64 #1

[1487] 0 1487 351731 175281 2437120 120904 0 mem.bash

[1489] 0 1489 352028 229218 2445312 67244 0 mem2.bash

Out of memory: Killed process 1489 (mem2.bash) total-vm:1408112kB, anon-rss:916872kB, file-rss:0kB, shmem-rss:0kB, UID:0

oom-reaper: reaped process 1489 (mem2.bash), now anon-rss:0kB, file-rss:0kB, shmem-rss:0kB

[1487] 0 1487 664307 420684 4943872 188063 0 mem.bash

Out of memory: Killed process 1487 (mem.bash) total-vm:2657228kB, anon-rss:1682736kB, file-rss:0kB, shmem-rss:0kB, UID:0

oom-reaper: reaped process 1487 (mem.bash), now anon-rss:0kB, file-rss:0kB, shmem-rss:0kB”

Значения в файле report.log: 31000010

Значения в файле report2.log: 15000010

График:

Вывод: после своего старта программы, ОС выделяет для неё необходимую память. Сначала выделение идет из оперативной памяти, так как она есть в наличии и она быстрее файла подкачки. Когда оперативная память заканчивается, старые данные переносятся в файл подкачки, что освобождает место в оперативной памяти. Также на втором графике видно, как при «смерти» одного из процессов была освобождена память и в оперативной памяти, и в файле подкачки, что показывает наличие больших данных в процессе. Помимо этого, при увеличении количества данных увеличивается и таблица управления страницами, что увеличивает необходимость в памяти. Процесс наплодил более 30 млн элементов, тем самым создал большую таблицу, вытеснил другие данные в файл подкачки, занял оперативную память, но она закончилась, и его убили.

Задание №2:

Некоторые процессы завершились аварийно из-за нехватки памяти. ОС имеет ряд стратегий, по которых она решает, какой процесс должен умереть.

При N = 1,1 млн всё происходит в штатном режиме. Это происходит, потому что памяти едва хватает.

Приложение 1

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10

MiB Mem : 1827.1 total, 1364.3 free, 240.2 used, 222.5 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1435.4 avail Mem

1457 root 20 0 296672 75752 1520 R 93.8 4.0 0:13.23 mem.bash

1457 root 20 0 297332 76544 1520 R 99.9 4.1 0:13.43 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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21

MiB Mem : 1827.1 total, 1309.9 free, 294.6 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1381.0 avail Mem

1457 root 20 0 352244 131572 1644 R 93.8 7.0 0:23.67 mem.bash

1457 root 20 0 352904 132100 1644 R 88.2 7.1 0:23.85 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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31

MiB Mem : 1827.1 total, 1254.2 free, 350.3 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1325.3 avail Mem

1457 root 20 0 409136 188332 1644 R 94.1 10.1 0:34.23 mem.bash

1457 root 20 0 409928 189124 1644 R 94.7 10.1 0:34.43 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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42

MiB Mem : 1827.1 total, 1199.9 free, 404.5 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1271.1 avail Mem

1457 root 20 0 464576 243772 1644 R 87.5 13.0 0:44.47 mem.bash

1457 root 20 0 465236 244564 1644 R 90.5 13.1 0:44.70 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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53

MiB Mem : 1827.1 total, 1147.8 free, 456.7 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1218.9 avail Mem

1457 root 20 0 517772 297100 1644 R 99.9 15.9 0:54.70 mem.bash

1457 root 20 0 518432 297628 1644 R 99.9 15.9 0:54.90 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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63

MiB Mem : 1827.1 total, 1097.6 free, 506.9 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1168.7 avail Mem

1457 root 20 0 569252 348580 1644 R 93.8 18.6 1:04.94 mem.bash

1457 root 20 0 569780 349108 1644 R 99.9 18.7 1:05.12 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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74

MiB Mem : 1827.1 total, 1041.6 free, 562.8 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1112.8 avail Mem

1457 root 20 0 626276 405604 1644 R 99.9 21.7 1:15.36 mem.bash

1457 root 20 0 627464 406660 1644 R 88.2 21.7 1:15.54 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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85

MiB Mem : 1827.1 total, 985.5 free, 619.0 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1056.6 avail Mem

1457 root 20 0 683696 462892 1644 R 93.8 24.7 1:25.80 mem.bash

1457 root 20 0 684356 463684 1644 R 88.9 24.8 1:25.99 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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95

MiB Mem : 1827.1 total, 929.5 free, 674.9 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 1000.7 avail Mem

1457 root 20 0 740720 519916 1644 R 93.3 27.8 1:36.15 mem.bash

1457 root 20 0 741776 520972 1644 R 90.5 27.8 1:36.38 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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106

MiB Mem : 1827.1 total, 873.4 free, 731.1 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 944.5 avail Mem

1457 root 20 0 798008 577204 1644 R 99.9 30.9 1:46.52 mem.bash

1457 root 20 0 799064 578260 1644 R 99.9 30.9 1:46.76 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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117

MiB Mem : 1827.1 total, 817.6 free, 786.9 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 888.7 avail Mem

1457 root 20 0 854372 633700 1644 R 93.8 33.9 1:56.91 mem.bash

1457 root 20 0 855428 634756 1644 R 99.9 33.9 1:57.10 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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128

MiB Mem : 1827.1 total, 763.3 free, 841.2 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 834.4 avail Mem

1457 root 20 0 911000 690196 1644 R 99.9 36.9 2:07.46 mem.bash

1457 root 20 0 911660 690988 1644 R 99.9 36.9 2:07.66 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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139

MiB Mem : 1827.1 total, 708.9 free, 895.5 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 780.1 avail Mem

1457 root 20 0 966308 745636 1644 R 99.9 39.9 2:17.84 mem.bash

1457 root 20 0 966968 746164 1644 R 99.9 39.9 2:18.04 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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149

MiB Mem : 1827.1 total, 648.9 free, 955.6 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 720.0 avail Mem

1457 root 20 0 1027820 807148 1644 R 99.9 43.1 2:28.32 mem.bash

1457 root 20 0 1028876 808204 1644 R 93.8 43.2 2:28.49 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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160

MiB Mem : 1827.1 total, 578.1 free, 1026.3 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 649.3 avail Mem

1457 root 20 0 1100024 879220 1644 R 93.8 47.0 2:38.66 mem.bash

1457 root 20 0 1101212 880540 1644 R 93.8 47.1 2:38.83 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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171

MiB Mem : 1827.1 total, 507.4 free, 1097.0 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 578.6 avail Mem

1457 root 20 0 1172360 951556 1644 R 88.2 50.9 2:49.01 mem.bash

1457 root 20 0 1173812 953140 1644 R 88.9 50.9 2:49.20 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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181

MiB Mem : 1827.1 total, 436.4 free, 1168.1 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 507.5 avail Mem

1457 root 20 0 1244960 1.0g 1644 R 94.1 54.7 2:59.40 mem.bash

1457 root 20 0 1246148 1.0g 1644 R 88.2 54.8 2:59.57 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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192

MiB Mem : 1827.1 total, 365.4 free, 1239.1 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 436.5 avail Mem

1457 root 20 0 1317428 1.0g 1644 R 93.8 58.6 3:09.76 mem.bash

1457 root 20 0 1318748 1.0g 1644 R 93.8 58.7 3:09.94 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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202

MiB Mem : 1827.1 total, 294.9 free, 1309.6 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 366.0 avail Mem

1457 root 20 0 1389632 1.1g 1644 R 93.8 62.5 3:20.13 mem.bash

1457 root 20 0 1390820 1.1g 1644 R 99.9 62.5 3:20.30 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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213

MiB Mem : 1827.1 total, 225.0 free, 1379.4 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 296.2 avail Mem

1457 root 20 0 1461044 1.2g 1644 R 93.3 66.3 3:30.48 mem.bash

1457 root 20 0 1462232 1.2g 1644 R 99.9 66.4 3:30.66 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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223

MiB Mem : 1827.1 total, 154.4 free, 1450.1 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 225.5 avail Mem

1457 root 20 0 1533116 1.3g 1644 R 93.3 70.2 3:40.87 mem.bash

1457 root 20 0 1534436 1.3g 1644 R 94.1 70.2 3:41.06 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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234

MiB Mem : 1827.1 total, 84.2 free, 1520.3 used, 222.6 buff/cache

MiB Swap: 820.0 total, 820.0 free, 0.0 used. 155.3 avail Mem

1457 root 20 0 1604132 1.3g 1644 R 94.1 73.9 3:51.22 mem.bash

1457 root 20 0 1605452 1.3g 1644 R 87.5 74.0 3:51.39 mem.bash

1 root 20 0 179200 13540 8580 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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245

MiB Mem : 1827.1 total, 64.1 free, 1592.7 used, 170.3 buff/cache

MiB Swap: 820.0 total, 817.2 free, 2.8 used. 86.2 avail Mem

1457 root 20 0 1675940 1.4g 1636 R 99.9 77.8 4:01.53 mem.bash

1457 root 20 0 1677260 1.4g 1636 R 81.2 77.9 4:01.69 mem.bash

49 root 20 0 0 0 0 S 6.2 0.0 0:00.03 kswapd0

1 root 20 0 179200 13396 8556 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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256

MiB Mem : 1827.1 total, 70.1 free, 1659.8 used, 97.2 buff/cache

MiB Swap: 820.0 total, 812.2 free, 7.8 used. 43.9 avail Mem

1457 root 20 0 1748804 1.5g 1572 R 87.5 81.7 4:12.13 mem.bash

1457 root 20 0 1750124 1.5g 1572 R 88.2 81.7 4:12.32 mem.bash

1 root 20 0 179200 12856 8064 S 0.0 0.7 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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266

MiB Mem : 1827.1 total, 72.8 free, 1717.6 used, 36.7 buff/cache

MiB Swap: 820.0 total, 789.7 free, 30.3 used. 18.0 avail Mem

1457 root 20 0 1832096 1.5g 1036 R 71.4 85.6 4:24.42 mem.bash

1457 root 20 0 1834472 1.5g 1036 R 73.7 85.6 4:24.80 mem.bash

1 root 20 0 179200 3096 1196 S 0.0 0.2 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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279

MiB Mem : 1827.1 total, 72.8 free, 1713.6 used, 40.6 buff/cache

MiB Swap: 820.0 total, 708.2 free, 111.8 used. 20.1 avail Mem

1457 root 20 0 1910900 1.6g 576 R 87.5 87.8 4:36.36 mem.bash

1457 root 20 0 1912088 1.6g 576 R 88.2 87.8 4:36.54 mem.bash

1 root 20 0 179200 1172 292 S 0.0 0.1 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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292

MiB Mem : 1827.1 total, 74.8 free, 1707.1 used, 45.1 buff/cache

MiB Swap: 820.0 total, 615.2 free, 204.8 used. 24.5 avail Mem

1457 root 20 0 1991684 1.6g 1136 R 99.9 88.2 4:48.08 mem.bash

1457 root 20 0 1992872 1.6g 1136 R 93.8 88.3 4:48.26 mem.bash

1 root 20 0 179200 180 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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304

MiB Mem : 1827.1 total, 64.2 free, 1716.5 used, 46.4 buff/cache

MiB Swap: 820.0 total, 547.9 free, 272.1 used. 14.4 avail Mem

1457 root 20 0 2070620 1.6g 1116 R 88.2 88.7 4:59.59 mem.bash

1457 root 20 0 2071808 1.6g 1116 R 94.1 87.9 4:59.77 mem.bash

1 root 20 0 179200 88 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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316

MiB Mem : 1827.1 total, 70.4 free, 1713.3 used, 43.3 buff/cache

MiB Swap: 820.0 total, 467.5 free, 352.5 used. 19.1 avail Mem

1457 root 20 0 2152064 1.6g 1056 R 94.1 88.6 5:11.50 mem.bash

1457 root 20 0 2152856 1.6g 1056 R 87.5 88.7 5:11.66 mem.bash

1 root 20 0 179200 44 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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328

MiB Mem : 1827.1 total, 67.2 free, 1717.8 used, 42.0 buff/cache

MiB Swap: 820.0 total, 407.0 free, 413.0 used. 15.3 avail Mem

1457 root 20 0 2217404 1.6g 1052 R 93.8 88.8 5:22.46 mem.bash

1457 root 20 0 2218592 1.6g 1052 R 99.9 88.9 5:22.64 mem.bash

1 root 20 0 179200 0 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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339

MiB Mem : 1827.1 total, 75.6 free, 1706.8 used, 44.6 buff/cache

MiB Swap: 820.0 total, 315.5 free, 504.5 used. 25.0 avail Mem

1457 root 20 0 2296736 1.6g 568 R 93.8 88.0 5:33.97 mem.bash

1457 root 20 0 2297924 1.6g 568 R 99.9 88.1 5:34.15 mem.bash

1 root 20 0 179200 0 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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351

MiB Mem : 1827.1 total, 75.2 free, 1701.6 used, 50.3 buff/cache

MiB Swap: 820.0 total, 228.7 free, 591.2 used. 27.3 avail Mem

1457 root 20 0 2375408 1.6g 568 R 93.8 87.5 5:45.42 mem.bash

1457 root 20 0 2376464 1.6g 568 R 93.8 87.5 5:45.59 mem.bash

1 root 20 0 179200 1876 1676 S 0.0 0.1 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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363

MiB Mem : 1827.1 total, 79.0 free, 1704.3 used, 43.7 buff/cache

MiB Swap: 820.0 total, 153.7 free, 666.2 used. 27.9 avail Mem

1457 root 20 0 2455268 1.6g 472 R 99.9 87.6 5:57.00 mem.bash

1457 root 20 0 2456456 1.6g 472 R 93.8 87.7 5:57.17 mem.bash

1 root 20 0 179200 200 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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375

MiB Mem : 1827.1 total, 84.6 free, 1699.9 used, 42.5 buff/cache

MiB Swap: 820.0 total, 78.7 free, 741.2 used. 32.9 avail Mem

1457 root 20 0 2527340 1.6g 692 R 93.8 87.4 6:08.43 mem.bash

1457 root 20 0 2528528 1.6g 692 R 88.2 87.5 6:08.61 mem.bash

1 root 20 0 179200 152 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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387

MiB Mem : 1827.1 total, 85.0 free, 1701.9 used, 40.2 buff/cache

MiB Swap: 820.0 total, 4.3 free, 815.7 used. 32.2 avail Mem

1457 root 20 0 2602316 1.6g 692 R 99.9 87.3 6:19.59 mem.bash

1457 root 20 0 2603636 1.6g 692 R 88.2 87.4 6:19.77 mem.bash

1 root 20 0 179200 84 0 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

Приложение 2

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10

MiB Mem : 1827.1 total, 1474.4 free, 197.9 used, 154.8 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1487.7 avail Mem

1487 root 20 0 259712 38980 1720 R 47.1 2.1 0:05.20 mem.bash

1489 root 20 0 260504 39656 1596 R 44.4 2.1 0:05.29 mem2.bash

1487 root 20 0 261164 40564 1720 R 50.0 2.2 0:05.40 mem.bash

1489 root 20 0 261164 40448 1596 R 43.8 2.2 0:05.39 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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21

MiB Mem : 1827.1 total, 1399.9 free, 272.3 used, 154.8 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1413.3 avail Mem

1487 root 20 0 297860 77260 1720 R 44.4 4.1 0:10.55 mem.bash

1489 root 20 0 298256 77408 1596 R 43.8 4.1 0:10.63 mem2.bash

1489 root 20 0 298916 78200 1596 R 50.0 4.2 0:10.73 mem2.bash

1487 root 20 0 299312 78580 1720 R 43.8 4.2 0:10.74 mem.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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32

MiB Mem : 1827.1 total, 1337.5 free, 334.7 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1350.9 avail Mem

1487 root 20 0 329144 108584 1908 R 38.9 5.8 0:15.82 mem.bash

1489 root 20 0 329672 108880 1656 R 33.3 5.8 0:15.90 mem2.bash

1487 root 20 0 329672 109112 1908 R 58.8 5.8 0:16.04 mem.bash

1489 root 20 0 329936 109144 1656 R 41.2 5.8 0:16.01 mem2.bash

23 root 39 19 0 0 0 R 5.9 0.0 0:00.75 khugepaged

1535 root 20 0 274140 4520 3948 R 5.9 0.2 0:00.01 top

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

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43

MiB Mem : 1827.1 total, 1297.5 free, 374.7 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1310.8 avail Mem

1487 root 20 0 349736 129176 1908 R 33.3 6.9 0:21.02 mem.bash

1489 root 20 0 350264 129472 1656 R 44.4 6.9 0:21.12 mem2.bash

1487 root 20 0 350660 130232 1908 R 47.1 7.0 0:21.23 mem.bash

1489 root 20 0 350924 130264 1656 R 47.1 7.0 0:21.22 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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54

MiB Mem : 1827.1 total, 1234.5 free, 437.7 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1247.9 avail Mem

1487 root 20 0 382076 161648 1908 R 36.8 8.6 0:26.33 mem.bash

1489 root 20 0 382604 161944 1656 R 50.0 8.7 0:26.42 mem2.bash

1487 root 20 0 383264 162968 1908 R 44.4 8.7 0:26.53 mem.bash

1489 root 20 0 383264 162472 1656 R 38.9 8.7 0:26.52 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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65

MiB Mem : 1827.1 total, 1174.3 free, 497.9 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1187.7 avail Mem

1487 root 20 0 413360 192800 1908 R 37.5 10.3 0:31.54 mem.bash

1489 root 20 0 412700 192040 1656 R 35.3 10.3 0:31.62 mem2.bash

1487 root 20 0 414416 193856 1908 R 47.1 10.4 0:31.77 mem.bash

1489 root 20 0 413360 192568 1656 R 47.1 10.3 0:31.76 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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76

MiB Mem : 1827.1 total, 1115.7 free, 556.5 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1129.1 avail Mem

1487 root 20 0 443456 223160 1908 R 43.8 11.9 0:36.79 mem.bash

1489 root 20 0 442532 221872 1656 R 41.2 11.9 0:36.88 mem2.bash

1489 root 20 0 443192 222400 1656 R 47.1 11.9 0:36.99 mem2.bash

1487 root 20 0 444776 224216 1908 R 41.2 12.0 0:36.99 mem.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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87

MiB Mem : 1827.1 total, 1074.2 free, 598.0 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1087.6 avail Mem

1487 root 20 0 464180 243752 1908 R 62.5 13.0 0:42.05 mem.bash

1489 root 20 0 463388 242728 1656 R 62.5 13.0 0:42.09 mem2.bash

1487 root 20 0 464840 244544 1908 R 43.8 13.1 0:42.23 mem.bash

1489 root 20 0 463784 242992 1656 R 37.5 13.0 0:42.21 mem2.bash

9 root 20 0 0 0 0 S 6.2 0.0 0:00.03 ksoftirqd/0

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

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98

MiB Mem : 1827.1 total, 1042.0 free, 630.2 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1055.4 avail Mem

1487 root 20 0 480548 260120 1908 R 43.8 13.9 0:47.10 mem.bash

1489 root 20 0 480020 259360 1656 R 41.2 13.9 0:47.20 mem2.bash

1489 root 20 0 480284 259624 1656 R 44.4 13.9 0:47.31 mem2.bash

1487 root 20 0 481208 260648 1908 R 38.9 13.9 0:47.31 mem.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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109

MiB Mem : 1827.1 total, 1014.8 free, 657.4 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 1028.2 avail Mem

1487 root 20 0 495068 274640 1908 R 52.9 14.7 0:52.27 mem.bash

1489 root 20 0 493748 273088 1656 R 52.9 14.6 0:52.37 mem2.bash

1487 root 20 0 495992 275432 1908 R 50.0 14.7 0:52.45 mem.bash

1489 root 20 0 494012 273352 1656 R 37.5 14.6 0:52.43 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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119

MiB Mem : 1827.1 total, 962.0 free, 710.2 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 975.4 avail Mem

1487 root 20 0 522788 302360 1908 R 50.0 16.2 0:57.52 mem.bash

1489 root 20 0 520676 300016 1656 R 47.1 16.0 0:57.61 mem2.bash

1487 root 20 0 523976 303416 1908 R 38.9 16.2 0:57.72 mem.bash

1489 root 20 0 521072 300280 1656 R 38.9 16.1 0:57.70 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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130

MiB Mem : 1827.1 total, 908.4 free, 763.8 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 921.7 avail Mem

1487 root 20 0 550640 330080 1908 R 53.3 17.6 1:02.75 mem.bash

1489 root 20 0 547472 326680 1656 R 41.2 17.5 1:02.82 mem2.bash

1487 root 20 0 551828 331400 1908 R 50.0 17.7 1:02.94 mem.bash

1489 root 20 0 548132 327472 1656 R 50.0 17.5 1:02.92 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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141

MiB Mem : 1827.1 total, 860.8 free, 811.3 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 874.2 avail Mem

1487 root 20 0 574268 353840 1908 R 43.8 18.9 1:07.98 mem.bash

1489 root 20 0 572684 352024 1656 R 41.2 18.8 1:08.06 mem2.bash

1489 root 20 0 573476 352816 1656 R 50.0 18.9 1:08.16 mem2.bash

1487 root 20 0 575720 355160 1908 R 43.8 19.0 1:08.18 mem.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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152

MiB Mem : 1827.1 total, 791.3 free, 880.8 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 804.7 avail Mem

1487 root 20 0 610436 390008 1908 R 41.2 20.8 1:13.30 mem.bash

1489 root 20 0 607796 387136 1656 R 47.1 20.7 1:13.40 mem2.bash

1487 root 20 0 611888 391328 1908 R 43.8 20.9 1:13.50 mem.bash

1489 root 20 0 608456 387664 1656 R 43.8 20.7 1:13.49 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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163

MiB Mem : 1827.1 total, 726.9 free, 945.2 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 740.3 avail Mem

1487 root 20 0 642644 422216 1908 R 23.5 22.6 1:18.55 mem.bash

1489 root 20 0 639476 418816 1656 R 37.5 22.4 1:18.68 mem2.bash

1487 root 20 0 643304 423008 1908 R 50.0 22.6 1:18.78 mem.bash

1489 root 20 0 639872 419080 1656 R 43.8 22.4 1:18.76 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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174

MiB Mem : 1827.1 total, 685.2 free, 987.0 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 698.5 avail Mem

1487 root 20 0 663236 442808 1908 R 43.8 23.7 1:23.82 mem.bash

1489 root 20 0 662576 441784 1656 R 44.4 23.6 1:23.92 mem2.bash

1487 root 20 0 664424 443864 1908 R 43.8 23.7 1:24.02 mem.bash

1489 root 20 0 663236 442576 1656 R 43.8 23.7 1:24.01 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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185

MiB Mem : 1827.1 total, 631.9 free, 1040.2 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 645.3 avail Mem

1487 root 20 0 690164 469736 1908 R 43.8 25.1 1:29.11 mem.bash

1489 root 20 0 690692 470032 1656 R 41.2 25.1 1:29.20 mem2.bash

1489 root 20 0 691088 470296 1656 R 44.4 25.1 1:29.31 mem2.bash

1487 root 20 0 691220 470792 1908 R 38.9 25.2 1:29.31 mem.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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196

MiB Mem : 1827.1 total, 570.4 free, 1101.8 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 583.8 avail Mem

1487 root 20 0 721316 500888 1908 R 41.2 26.8 1:34.37 mem.bash

1489 root 20 0 722108 501448 1656 R 43.8 26.8 1:34.45 mem2.bash

1487 root 20 0 722768 502208 1908 R 50.0 26.8 1:34.57 mem.bash

1489 root 20 0 722768 501976 1656 R 50.0 26.8 1:34.55 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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207

MiB Mem : 1827.1 total, 499.2 free, 1173.0 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 512.6 avail Mem

1487 root 20 0 756560 536264 1908 R 43.8 28.7 1:39.65 mem.bash

1489 root 20 0 758804 538144 1656 R 33.3 28.8 1:39.72 mem2.bash

1487 root 20 0 757880 537320 1908 R 41.2 28.7 1:39.84 mem.bash

1489 root 20 0 759464 538672 1656 R 35.3 28.8 1:39.81 mem2.bash

1674 root 20 0 0 0 0 R 5.9 0.0 0:00.04 kworker/0:0-events

1765 root 20 0 274272 4800 4020 S 5.9 0.3 0:00.14 top

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

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217

MiB Mem : 1827.1 total, 438.4 free, 1233.8 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 451.8 avail Mem

1487 root 20 0 787316 566888 1908 R 36.8 30.3 1:44.44 mem.bash

1489 root 20 0 789956 569296 1656 R 37.5 30.4 1:44.53 mem2.bash

1487 root 20 0 788504 568208 1908 R 50.0 30.4 1:44.63 mem.bash

1489 root 20 0 790616 569824 1656 R 37.5 30.5 1:44.61 mem2.bash

1765 root 20 0 274272 4800 4020 S 6.2 0.3 0:01.10 top

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

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228

MiB Mem : 1827.1 total, 373.4 free, 1298.8 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 386.8 avail Mem

1487 root 20 0 820580 600152 1908 R 44.4 32.1 1:49.26 mem.bash

1489 root 20 0 823220 602560 1656 R 33.3 32.2 1:49.34 mem2.bash

1489 root 20 0 823880 603088 1656 R 50.0 32.2 1:49.44 mem2.bash

1487 root 20 0 821768 601208 1908 R 43.8 32.1 1:49.44 mem.bash

1765 root 20 0 274272 4800 4020 S 12.5 0.3 0:02.07 top

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

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239

MiB Mem : 1827.1 total, 304.9 free, 1367.2 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 318.3 avail Mem

1487 root 20 0 855692 635264 1908 R 33.3 34.0 1:54.25 mem.bash

1489 root 20 0 858068 637408 1656 R 43.8 34.1 1:54.33 mem2.bash

1487 root 20 0 857144 636584 1908 R 41.2 34.0 1:54.44 mem.bash

1489 root 20 0 858728 637936 1656 R 35.3 34.1 1:54.42 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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250

MiB Mem : 1827.1 total, 239.4 free, 1432.8 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 252.8 avail Mem

1487 root 20 0 889352 668792 1908 R 41.2 35.7 1:59.07 mem.bash

1489 root 20 0 891464 670672 1656 R 50.0 35.8 1:59.15 mem2.bash

1487 root 20 0 890540 670112 1908 R 43.8 35.8 1:59.25 mem.bash

1489 root 20 0 892124 671464 1656 R 43.8 35.9 1:59.24 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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261

MiB Mem : 1827.1 total, 173.8 free, 1498.4 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 187.2 avail Mem

1487 root 20 0 922880 702320 1908 R 38.9 37.5 2:03.89 mem.bash

1489 root 20 0 924860 704200 1656 R 37.5 37.6 2:03.97 mem2.bash

1489 root 20 0 925652 704992 1656 R 47.1 37.7 2:04.08 mem2.bash

1487 root 20 0 924200 703640 1908 R 35.3 37.6 2:04.07 mem.bash

1765 root 20 0 274272 4800 4020 S 5.9 0.3 0:04.57 top

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

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272

MiB Mem : 1827.1 total, 130.8 free, 1541.4 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 144.2 avail Mem

1487 root 20 0 944792 724232 1908 R 52.9 38.7 2:09.03 mem.bash

1489 root 20 0 946904 726112 1656 R 42.1 38.8 2:09.13 mem2.bash

1487 root 20 0 945320 725024 1908 R 47.1 38.8 2:09.25 mem.bash

1489 root 20 0 947300 726640 1656 R 41.2 38.8 2:09.23 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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283

MiB Mem : 1827.1 total, 87.6 free, 1584.6 used, 154.9 buff/cache

MiB Swap: 820.0 total, 767.8 free, 52.2 used. 100.9 avail Mem

1487 root 20 0 967100 746672 1908 R 43.8 39.9 2:14.28 mem.bash

1489 root 20 0 969212 748552 1656 R 36.8 40.0 2:14.38 mem2.bash

1487 root 20 0 967892 747464 1908 R 50.0 40.0 2:14.49 mem.bash

1489 root 20 0 969740 749080 1656 R 50.0 40.0 2:14.48 mem2.bash

1 root 20 0 179200 6592 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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294

MiB Mem : 1827.1 total, 79.9 free, 1631.4 used, 115.8 buff/cache

MiB Swap: 820.0 total, 766.2 free, 53.8 used. 64.2 avail Mem

1487 root 20 0 991256 770960 1908 R 43.8 41.2 2:19.57 mem.bash

1489 root 20 0 993896 773104 1656 R 41.2 41.3 2:19.66 mem2.bash

1487 root 20 0 992180 771752 1908 R 41.2 41.3 2:19.77 mem.bash

1489 root 20 0 994292 773632 1656 R 41.2 41.4 2:19.76 mem2.bash

1 root 20 0 179200 6584 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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305

MiB Mem : 1827.1 total, 71.2 free, 1676.6 used, 79.3 buff/cache

MiB Swap: 820.0 total, 763.0 free, 57.0 used. 37.2 avail Mem

1487 root 20 0 1016336 795776 1908 R 50.0 42.5 2:25.00 mem.bash

1489 root 20 0 1018448 797656 1656 R 41.2 42.6 2:25.09 mem2.bash

1489 root 20 0 1018976 798184 1656 R 53.3 42.7 2:25.20 mem2.bash

1487 root 20 0 1017260 796832 1908 R 46.7 42.6 2:25.20 mem.bash

1 root 20 0 179200 6584 4072 S 0.0 0.4 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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316

MiB Mem : 1827.1 total, 62.5 free, 1717.5 used, 47.1 buff/cache

MiB Swap: 820.0 total, 750.5 free, 69.5 used. 12.6 avail Mem

1487 root 20 0 1043924 817372 1496 R 24.0 43.7 2:30.95 mem.bash

1489 root 20 0 1047356 824668 1416 R 43.8 44.1 2:31.15 mem2.bash

1487 root 20 0 1045244 818692 1496 R 50.0 43.8 2:31.27 mem.bash

1489 root 20 0 1047752 825196 1416 R 37.5 44.1 2:31.25 mem2.bash

1 root 20 0 179200 3248 828 S 0.0 0.2 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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329

MiB Mem : 1827.1 total, 78.8 free, 1711.5 used, 36.8 buff/cache

MiB Swap: 820.0 total, 651.2 free, 168.8 used. 24.2 avail Mem

1487 root 20 0 1085240 777448 808 R 38.9 41.6 2:37.16 mem.bash

1489 root 20 0 1088804 863448 828 R 47.1 46.2 2:37.32 mem2.bash

1487 root 20 0 1086692 778768 808 R 44.4 41.6 2:37.38 mem.bash

1489 root 20 0 1089464 864240 828 R 44.4 46.2 2:37.43 mem2.bash

1 root 20 0 179200 1644 224 S 0.0 0.1 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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342

MiB Mem : 1827.1 total, 73.3 free, 1708.3 used, 45.4 buff/cache

MiB Swap: 820.0 total, 576.0 free, 244.0 used. 23.0 avail Mem

1487 root 20 0 1126556 773276 740 R 53.3 41.3 2:43.13 mem.bash

1489 root 20 0 1129724 875572 712 R 41.2 46.8 2:43.22 mem2.bash

1487 root 20 0 1128008 774860 740 R 38.9 41.4 2:43.33 mem.bash

1489 root 20 0 1130384 876364 712 R 38.9 46.8 2:43.32 mem2.bash

1 root 20 0 179200 600 216 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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354

MiB Mem : 1827.1 total, 62.2 free, 1715.9 used, 49.0 buff/cache

MiB Swap: 820.0 total, 491.0 free, 329.0 used. 13.7 avail Mem

1487 root 20 0 1167344 736064 624 R 53.3 39.3 2:49.04 mem.bash

1489 root 20 0 1170248 883388 660 R 41.2 47.2 2:49.12 mem2.bash

1489 root 20 0 1170908 883916 660 R 56.2 47.2 2:49.23 mem2.bash

1487 root 20 0 1168664 737384 624 R 50.0 39.4 2:49.24 mem.bash

1 root 20 0 179200 348 216 S 0.0 0.0 0:01.83 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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366

MiB Mem : 1827.1 total, 85.9 free, 1696.3 used, 44.9 buff/cache

MiB Swap: 820.0 total, 390.7 free, 429.3 used. 35.3 avail Mem

1487 root 20 0 1197044 719312 624 R 41.2 38.4 2:54.72 mem.bash

1489 root 20 0 1199552 877864 648 R 22.6 46.9 2:54.85 mem2.bash

1489 root 20 0 1199816 878128 648 R 56.2 46.9 2:54.96 mem2.bash

1487 root 20 0 1197440 719840 624 R 50.0 38.5 2:54.97 mem.bash

1987 root 20 0 274140 4296 3724 R 6.2 0.2 0:00.01 top

1 root 20 0 179200 2456 2120 S 0.0 0.1 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

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379

MiB Mem : 1827.1 total, 62.6 free, 1711.0 used, 53.4 buff/cache

MiB Swap: 820.0 total, 346.2 free, 473.8 used. 16.4 avail Mem

1487 root 20 0 1218032 707732 624 R 35.3 37.8 3:00.02 mem.bash

1489 root 20 0 1220936 872624 648 R 37.5 46.6 3:00.10 mem2.bash

1489 root 20 0 1221464 873152 648 R 50.0 46.7 3:00.21 mem2.bash

1487 root 20 0 1219088 708788 624 R 44.4 37.9 3:00.21 mem.bash

1 root 20 0 179200 2424 2120 S 0.0 0.1 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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390

MiB Mem : 1827.1 total, 65.5 free, 1704.6 used, 56.9 buff/cache

MiB Swap: 820.0 total, 294.2 free, 525.8 used. 20.9 avail Mem

1487 root 20 0 1235588 704800 624 R 50.0 37.7 3:05.16 mem.bash

1489 root 20 0 1238624 873928 648 R 42.1 46.7 3:05.27 mem2.bash

1489 root 20 0 1239020 874456 648 R 50.0 46.7 3:05.37 mem2.bash

1487 root 20 0 1236512 705856 624 R 43.8 37.7 3:05.36 mem.bash

1 root 20 0 179200 2912 2496 S 0.0 0.2 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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401

MiB Mem : 1827.1 total, 64.0 free, 1717.7 used, 45.4 buff/cache

MiB Swap: 820.0 total, 246.5 free, 573.5 used. 13.5 avail Mem

1487 root 20 0 1261196 698208 624 R 46.7 37.3 3:10.63 mem.bash

1489 root 20 0 1263308 882092 644 R 35.3 47.1 3:10.72 mem2.bash

1487 root 20 0 1261988 686692 624 R 43.8 36.7 3:10.82 mem.bash

1489 root 20 0 1263836 866236 644 R 43.8 46.3 3:10.82 mem2.bash

1 root 20 0 179200 2744 2392 S 0.0 0.1 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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412

MiB Mem : 1827.1 total, 67.6 free, 1715.1 used, 44.3 buff/cache

MiB Swap: 820.0 total, 195.5 free, 624.5 used. 16.7 avail Mem

1487 root 20 0 1284296 685396 624 R 38.9 36.6 3:15.84 mem.bash

1489 root 20 0 1286672 889204 644 R 37.5 47.5 3:15.93 mem2.bash

1487 root 20 0 1285220 686188 624 R 47.1 36.7 3:16.04 mem.bash

1489 root 20 0 1287200 889732 644 R 41.2 47.6 3:16.03 mem2.bash

1 root 20 0 179200 2596 2244 S 0.0 0.1 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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423

MiB Mem : 1827.1 total, 76.9 free, 1704.0 used, 46.2 buff/cache

MiB Swap: 820.0 total, 126.9 free, 693.1 used. 26.8 avail Mem

1487 root 20 0 1310564 672004 624 R 50.0 35.9 3:21.54 mem.bash

1489 root 20 0 1312544 884356 644 R 38.9 47.3 3:21.64 mem2.bash

1489 root 20 0 1312940 884620 644 R 50.0 47.3 3:21.75 mem2.bash

1487 root 20 0 1311356 672796 624 R 44.4 36.0 3:21.75 mem.bash

2073 root 20 0 274140 4384 3808 R 5.6 0.2 0:00.01 top

1 root 20 0 179200 1336 984 S 0.0 0.1 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

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435

MiB Mem : 1827.1 total, 63.1 free, 1715.9 used, 48.1 buff/cache

MiB Swap: 820.0 total, 85.8 free, 734.2 used. 14.1 avail Mem

1487 root 20 0 1336568 662660 568 R 31.2 35.4 3:27.26 mem.bash

1489 root 20 0 1338680 891984 568 R 46.7 47.7 3:27.35 mem2.bash

1487 root 20 0 1337624 663716 568 R 41.2 35.5 3:27.45 mem.bash

1489 root 20 0 1339340 892512 568 R 41.2 47.7 3:27.46 mem2.bash

1 root 20 0 179200 676 324 S 0.0 0.0 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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448

MiB Mem : 1827.1 total, 65.4 free, 1720.9 used, 40.7 buff/cache

MiB Swap: 820.0 total, 42.2 free, 777.8 used. 12.8 avail Mem

1487 root 20 0 1361120 677332 568 R 43.8 36.2 3:32.56 mem.bash

1489 root 20 0 1363760 894328 568 R 42.1 47.8 3:32.67 mem2.bash

1487 root 20 0 1362176 678388 568 R 53.3 36.3 3:32.77 mem.bash

1489 root 20 0 1364156 894592 568 R 46.7 47.8 3:32.76 mem2.bash

1 root 20 0 179200 352 0 S 0.0 0.0 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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459

MiB Mem : 1827.1 total, 71.5 free, 1712.4 used, 43.1 buff/cache

MiB Swap: 820.0 total, 5.4 free, 814.6 used. 20.1 avail Mem

1487 root 20 0 1384352 682640 1432 R 37.5 36.5 3:38.43 mem.bash

1489 root 20 0 1385936 898740 1296 R 38.9 48.0 3:38.54 mem2.bash

1487 root 20 0 1385408 683696 1432 R 38.9 36.5 3:38.65 mem.bash

1489 root 20 0 1386464 899268 1296 R 38.9 48.1 3:38.65 mem2.bash

1 root 20 0 179200 352 0 S 0.0 0.0 0:01.84 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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472

MiB Mem : 1827.1 total, 985.8 free, 790.3 used, 51.0 buff/cache

MiB Swap: 820.0 total, 262.3 free, 557.7 used. 938.1 avail Mem

1487 root 20 0 1412732 707656 1516 R 87.5 37.8 3:44.65 mem.bash

1487 root 20 0 1414184 709240 1516 R 93.8 37.9 3:45.00 mem.bash

1 root 20 0 179200 388 4 S 0.0 0.0 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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484

MiB Mem : 1827.1 total, 936.4 free, 837.3 used, 53.3 buff/cache

MiB Swap: 820.0 total, 262.3 free, 557.7 used. 889.9 avail Mem

1487 root 20 0 1460516 755440 1516 R 86.7 40.4 3:55.05 mem.bash

1487 root 20 0 1462364 757288 1516 R 82.4 40.5 3:55.41 mem.bash

1 root 20 0 179200 388 4 S 0.0 0.0 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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495

MiB Mem : 1827.1 total, 889.1 free, 884.0 used, 53.9 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 842.8 avail Mem

1487 root 20 0 1508300 803524 1836 R 82.4 42.9 4:05.45 mem.bash

1487 root 20 0 1509620 804844 1836 R 82.4 43.0 4:05.80 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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506

MiB Mem : 1827.1 total, 841.0 free, 932.1 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 794.8 avail Mem

1487 root 20 0 1557404 852628 1836 R 88.2 45.6 4:15.84 mem.bash

1487 root 20 0 1559252 854476 1836 R 88.2 45.7 4:16.20 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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517

MiB Mem : 1827.1 total, 802.5 free, 970.6 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 756.3 avail Mem

1487 root 20 0 1596608 891964 1836 R 88.2 47.7 4:26.11 mem.bash

1487 root 20 0 1598192 893548 1836 R 88.2 47.8 4:26.47 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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528

MiB Mem : 1827.1 total, 766.4 free, 1006.6 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 720.2 avail Mem

1487 root 20 0 1633436 928660 1836 R 87.5 49.6 4:36.42 mem.bash

1487 root 20 0 1635152 930508 1836 R 99.9 49.7 4:36.76 mem.bash

523 root 20 0 0 0 0 I 6.7 0.0 0:01.47 kworker/0:3-ata\_sff

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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538

MiB Mem : 1827.1 total, 714.5 free, 1058.5 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 668.3 avail Mem

1487 root 20 0 1686500 981724 1836 R 88.2 52.5 4:46.77 mem.bash

1487 root 20 0 1688480 983836 1836 R 93.8 52.6 4:47.13 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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549

MiB Mem : 1827.1 total, 652.7 free, 1120.3 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 606.5 avail Mem

1487 root 20 0 1749728 1.0g 1836 R 94.1 55.9 4:57.25 mem.bash

1487 root 20 0 1751048 1.0g 1836 R 88.2 55.9 4:57.66 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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560

MiB Mem : 1827.1 total, 582.5 free, 1190.6 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 536.3 avail Mem

1487 root 20 0 1821668 1.1g 1836 R 99.9 59.7 5:07.88 mem.bash

1487 root 20 0 1824176 1.1g 1836 R 99.9 59.8 5:08.23 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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571

MiB Mem : 1827.1 total, 524.8 free, 1248.2 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 478.6 avail Mem

1487 root 20 0 1880144 1.1g 1836 R 99.9 62.8 5:18.31 mem.bash

1487 root 20 0 1882520 1.1g 1836 R 99.9 63.0 5:18.66 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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582

MiB Mem : 1827.1 total, 466.6 free, 1306.5 used, 54.0 buff/cache

MiB Swap: 820.0 total, 262.5 free, 557.5 used. 420.4 avail Mem

1487 root 20 0 1939544 1.2g 1836 R 82.4 66.0 5:28.72 mem.bash

1487 root 20 0 1940468 1.2g 1836 R 83.3 66.0 5:29.08 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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593

MiB Mem : 1827.1 total, 427.1 free, 1345.6 used, 54.4 buff/cache

MiB Swap: 820.0 total, 262.8 free, 557.2 used. 381.0 avail Mem

1487 root 20 0 1979408 1.2g 1836 R 88.2 68.1 5:39.03 mem.bash

1487 root 20 0 1980728 1.2g 1836 R 94.1 68.2 5:39.41 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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603

MiB Mem : 1827.1 total, 375.8 free, 1396.8 used, 54.4 buff/cache

MiB Swap: 820.0 total, 262.8 free, 557.2 used. 329.8 avail Mem

1487 root 20 0 2031680 1.3g 1836 R 93.8 70.9 5:49.40 mem.bash

1487 root 20 0 2033264 1.3g 1836 R 82.4 71.0 5:49.76 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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614

MiB Mem : 1827.1 total, 326.0 free, 1446.7 used, 54.4 buff/cache

MiB Swap: 820.0 total, 262.8 free, 557.2 used. 280.0 avail Mem

1487 root 20 0 2083028 1.3g 1836 R 99.9 73.7 5:59.78 mem.bash

1487 root 20 0 2084876 1.3g 1836 R 93.8 73.8 6:00.14 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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625

MiB Mem : 1827.1 total, 281.4 free, 1488.5 used, 57.1 buff/cache

MiB Swap: 820.0 total, 263.0 free, 557.0 used. 236.7 avail Mem

1487 root 20 0 2125136 1.4g 1836 R 87.5 75.9 6:10.39 mem.bash

1487 root 20 0 2126588 1.4g 1836 R 76.5 76.0 6:10.72 mem.bash

2346 root 20 0 274140 4320 3744 R 5.9 0.2 0:00.01 top

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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636

MiB Mem : 1827.1 total, 237.7 free, 1532.2 used, 57.2 buff/cache

MiB Swap: 820.0 total, 263.0 free, 557.0 used. 193.0 avail Mem

1487 root 20 0 2169488 1.4g 1836 R 82.4 78.3 6:20.71 mem.bash

1487 root 20 0 2170808 1.4g 1836 R 87.5 78.4 6:21.04 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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647

MiB Mem : 1827.1 total, 195.1 free, 1574.8 used, 57.2 buff/cache

MiB Swap: 820.0 total, 263.0 free, 557.0 used. 150.5 avail Mem

1487 root 20 0 2213444 1.4g 1836 R 99.9 80.6 6:31.04 mem.bash

1487 root 20 0 2215160 1.4g 1836 R 93.8 80.7 6:31.40 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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658

MiB Mem : 1827.1 total, 154.8 free, 1615.1 used, 57.2 buff/cache

MiB Swap: 820.0 total, 263.0 free, 557.0 used. 110.2 avail Mem

1487 root 20 0 2254496 1.5g 1836 R 87.5 82.8 6:41.27 mem.bash

1487 root 20 0 2255816 1.5g 1836 R 87.5 82.9 6:41.63 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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669

MiB Mem : 1827.1 total, 112.9 free, 1657.0 used, 57.2 buff/cache

MiB Swap: 820.0 total, 263.0 free, 557.0 used. 68.2 avail Mem

1487 root 20 0 2297528 1.5g 1836 R 88.2 85.1 6:51.61 mem.bash

1487 root 20 0 2298716 1.5g 1836 R 94.1 85.2 6:51.98 mem.bash

2406 root 20 0 274140 4424 3852 R 5.9 0.2 0:00.01 top

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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679

MiB Mem : 1827.1 total, 62.0 free, 1707.9 used, 57.2 buff/cache

MiB Swap: 820.0 total, 263.0 free, 557.0 used. 17.3 avail Mem

1487 root 20 0 2349272 1.6g 1836 R 87.5 87.9 7:02.05 mem.bash

1487 root 20 0 2352176 1.6g 1836 R 88.2 88.0 7:02.57 mem.bash

1 root 20 0 179200 3020 2604 S 0.0 0.2 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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690

MiB Mem : 1827.1 total, 72.5 free, 1712.1 used, 42.5 buff/cache

MiB Swap: 820.0 total, 213.3 free, 606.7 used. 20.7 avail Mem

1487 root 20 0 2406296 1.6g 516 R 89.5 88.2 7:13.83 mem.bash

1487 root 20 0 2407880 1.6g 516 R 93.8 88.3 7:14.17 mem.bash

1 root 20 0 179200 584 184 S 0.0 0.0 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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703

MiB Mem : 1827.1 total, 73.3 free, 1716.3 used, 37.5 buff/cache

MiB Swap: 820.0 total, 170.0 free, 650.0 used. 19.1 avail Mem

1487 root 20 0 2455532 1.6g 472 R 94.4 88.5 7:25.42 mem.bash

1487 root 20 0 2457380 1.6g 472 R 82.4 88.6 7:25.76 mem.bash

2451 root 20 0 274140 4420 3848 R 5.9 0.2 0:00.01 top

1 root 20 0 179200 364 108 S 0.0 0.0 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

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715

MiB Mem : 1827.1 total, 66.5 free, 1713.3 used, 47.2 buff/cache

MiB Swap: 820.0 total, 113.8 free, 706.2 used. 17.2 avail Mem

1487 root 20 0 2508464 1.6g 780 R 75.0 88.3 7:36.84 mem.bash

1487 root 20 0 2510312 1.6g 780 R 83.3 88.4 7:37.20 mem.bash

1 root 20 0 179200 256 108 S 0.0 0.0 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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727

MiB Mem : 1827.1 total, 81.2 free, 1695.6 used, 50.2 buff/cache

MiB Swap: 820.0 total, 39.9 free, 780.1 used. 33.3 avail Mem

1487 root 20 0 2564432 1.6g 636 R 93.8 87.2 7:48.20 mem.bash

1487 root 20 0 2566016 1.6g 636 R 93.8 87.3 7:48.56 mem.bash

1 root 20 0 179200 1452 1248 S 0.0 0.1 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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739

MiB Mem : 1827.1 total, 66.4 free, 1723.7 used, 36.9 buff/cache

MiB Swap: 820.0 total, 8.9 free, 811.1 used. 11.9 avail Mem

1487 root 20 0 2625020 1.6g 684 R 71.4 88.2 7:59.94 mem.bash

1487 root 20 0 2627132 1.6g 684 R 99.9 88.4 8:00.34 mem.bash

1 root 20 0 179200 204 0 S 0.0 0.0 0:01.85 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_gp

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu\_par\_gp

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