

Report OS Lab 2

Vatista 220010060
Sujata 220010058
Prakriti 220120014

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1 Part 2

1.1 Order in which processes were created and killed.

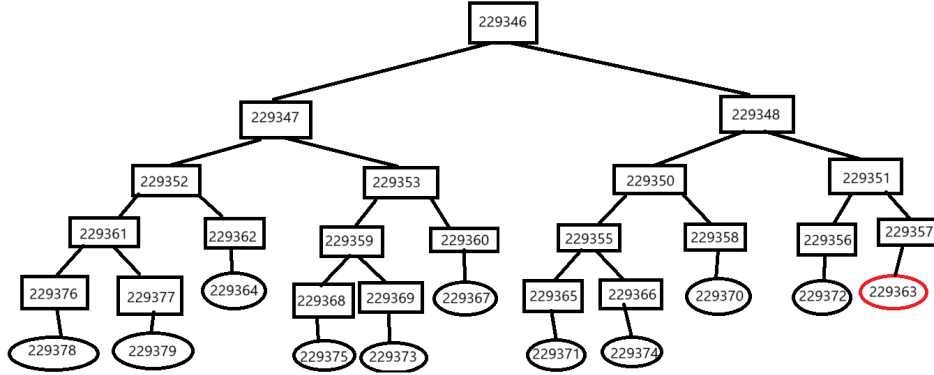
[229346] start position = 0 ; end position = 67108863
[229346] forked left child 229347
[229346] forked right child 229348
[229348] start position = 33554433 ; end position = 67108863
[229348] forked left child 229350
[229348] forked right child 229351
[229347] start position = 0 ; end position = 33554432
[229347] forked left child 229352
[229347] forked right child 229353
[229350] start position = 33554433 ; end position = 50331648
[229350] forked left child 229355
[229351] start position = 50331649 ; end position = 67108863
[229351] forked left child 229356
[229351] forked right child 229357
[229353] start position = 16777217 ; end position = 33554432
[229353] forked left child 229359
[229353] forked right child 229360
[229350] forked right child 229358
[229352] start position = 0 ; end position = 16777216
[229352] forked left child 229361
[229352] forked right child 229362
[229357] start position = 58720257 ; end position = 67108863
[229357] forked searcher child 229363
[229357] forked searcher child 229363

[229362] start position = 8388609 ; end position = 16777216
 [229362] forked searcher child 229364
 [229362] forked searcher child 229364
 [229355] start position = 33554433 ; end position = 41943041
 [229355] forked left child 229365
 [229355] forked right child 229366
 [229360] start position = 25165826 ; end position = 33554432
 [229360] forked searcher child 229367
 [229360] forked searcher child 229367
 [229359] start position = 16777217 ; end position = 25165825
 [229359] forked left child 229368
 [229356] start position = 50331649 ; end position = 58720256
 [229359] forked right child 229369
 [229358] start position = 41943042 ; end position = 50331648
 [229358] forked searcher child 229370
 [229358] forked searcher child 229370
 [229365] start position = 33554433 ; end position = 37748737
 [229365] forked searcher child 229371
 [229365] forked searcher child 229371
 [229356] forked searcher child 229372
 [229356] forked searcher child 229372
 [229369] start position = 20971522 ; end position = 25165825
 [229369] forked searcher child 229373
 [229369] forked searcher child 229373
 [229361] start position = 0 ; end position = 8388608
 [229366] start position = 37748738 ; end position = 41943041
 [229366] forked searcher child 229374
 [229366] forked searcher child 229374
 [229368] start position = 16777217 ; end position = 20971521
 [229368] forked searcher child 229375
 [229368] forked searcher child 229375
 [229361] forked right child 229377
 [229361] forked left child 229376
 [229376] start position = 0 ; end position = 4194304
 [229376] forked searcher child 229378
 [229376] forked searcher child 229378
 [229377] start position = 4194305 ; end position = 8388608
 [229377] forked searcher child 229379
 [229377] forked searcher child 229379
 [229373] didn't find

[229369] searcher child 229373 returned
[229374] didn't find
[229366] searcher child 229374 returned
[229371] didn't find
[229365] searcher child 229371 returned
[229355] left child 229365 returned
[229355] right child 229366 returned
[229350] left child 229355 returned
[229379] didn't find
[229378] didn't find
[229377] searcher child 229379 returned
[229376] searcher child 229378 returned
[229361] left child 229376 returned
[229361] right child 229377 returned
[229352] left child 229361 returned
[229375] didn't find
[229368] searcher child 229375 returned
[229359] left child 229368 returned
[229359] right child 229369 returned
[229353] left child 229359 returned
[229363] found at 64520807
[229357] searcher child 229363 returned
[229372] didn't find
[229370] didn't find
[229356] searcher child 229372 returned
[229351] left child 229356 returned
[229351] right child 229357 returned
[229358] searcher child 229370 returned
[229350] right child 229358 returned
[229348] left child 229350 returned
[229348] right child 229351 returned
[229364] didn't find
[229362] searcher child 229364 returned
[229352] right child 229362 returned
[229347] left child 229352 returned
[229367] didn't find
[229360] searcher child 229367 returned
[229353] right child 229360 returned
[229347] right child 229353 returned
[229346] left child 229347 returned

[229346] right child 229348 returned

1.2 Process tree



2 Part 3

2.1 Order in which processes were created and killed.

[229724] start position = 0 ; end position = 67108863

[229724] forked left child 229725

[229724] forked right child 229726

[229725] start position = 0 ; end position = 33554432

[229725] forked left child 229727

[229725] forked right child 229728

[229726] start position = 33554433 ; end position = 67108863

[229726] forked left child 229729

[229726] forked right child 229730

[229729] start position = 33554433 ; end position = 50331648

[229728] start position = 16777217 ; end position = 33554432

[229729] forked left child 229731

[229729] forked right child 229732

[229727] start position = 0 ; end position = 16777216

[229728] forked left child 229733

[229728] forked right child 229735

[229727] forked left child 229734

[229731] start position = 33554433 ; end position = 41943041

[229727] forked right child 229736
 [229731] forked left child 229737
 [229735] start position = 25165826 ; end position = 33554432
 [229732] start position = 41943042 ; end position = 50331648
 [229733] start position = 16777217 ; end position = 25165825
 [229734] start position = 0 ; end position = 8388608
 [229733] forked left child 229739
 [229732] forked searcher child 229738
 [229731] forked right child 229740
 [229733] forked right child 229742
 [229734] forked left child 229741
 [229734] forked right child 229743
 [229735] forked searcher child 229744
 [229740] start position = 37748738 ; end position = 41943041
 [229737] start position = 33554433 ; end position = 37748737
 [229739] start position = 16777217 ; end position = 20971521
 [229740] forked searcher child 229745
 [229730] start position = 50331649 ; end position = 67108863
 [229736] start position = 8388609 ; end position = 16777216
 [229737] forked searcher child 229746
 [229739] forked searcher child 229747
 [229730] forked left child 229748
 [229743] start position = 4194305 ; end position = 8388608
 [229742] start position = 20971522 ; end position = 25165825
 [229741] start position = 0 ; end position = 4194304
 [229743] forked searcher child 229751
 [229742] forked searcher child 229752
 [229741] forked searcher child 229753
 [229736] forked searcher child 229749
 [229730] forked right child 229750
 [229748] start position = 50331649 ; end position = 58720256
 [229748] forked searcher child 229754
 [229750] start position = 58720257 ; end position = 67108863
 [229750] forked searcher child 229755
 [229747] didn't find
 [229751] didn't find
 [229746] didn't find
 [229745] didn't find
 [229743] searcher child 229751 returned
 [229737] searcher child 229746 returned

[229740] searcher child 229745 returned
 [229731] left child 229737 returned
 [229739] searcher child 229747 returned
 [229731] right child 229740 returned
 [229733] left child 229739 returned
 [229729] left child 229731 returned
 [229753] didn't find
 [229752] didn't find
 [229741] searcher child 229753 returned
 [229734] left child 229741 returned
 [229734] right child 229743 returned
 [229727] left child 229734 returned
 [229742] searcher child 229752 returned
 [229733] right child 229742 returned
 [229728] left child 229733 returned
 [229755] found at 64520807
 [229750] received SIGTERM
 [229748] received SIGTERM
 [229729] received SIGTERM
 [229726] received SIGTERM
 [229732] received SIGTERM
 [229725] received SIGTERM
 [229727] received SIGTERM
 [229728] received SIGTERM
 [229736] received SIGTERM
 [229735] received SIGTERM

2.2 Process tree

