

Report OS Lab 2

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1 Part 2

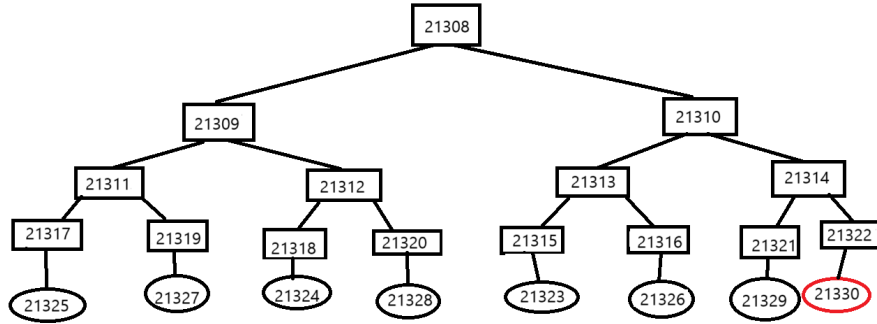
1.1 Order in which processes were created and killed.

[21308] start position = 0 ; end position = 67108863
[21308] forked left child 21309
[21308] forked right child 21310
[21309] start position = 0 ; end position = 33554431
[21310] start position = 33554432 ; end position = 67108863
[21309] forked left child 21311
[21310] forked left child 21313
[21309] forked right child 21312
[21310] forked right child 21314
[21313] start position = 33554432 ; end position = 50331647
[21313] forked left child 21315
[21313] forked right child 21316
[21312] start position = 16777216 ; end position = 33554431
[21311] start position = 0 ; end position = 16777215
[21312] forked left child 21318
[21311] forked left child 21317
[21312] forked right child 21320
[21311] forked right child 21319
[21314] start position = 50331648 ; end position = 67108863
[21314] forked left child 21321
[21314] forked right child 21322
[21315] start position = 33554432 ; end position = 41943039
[21318] start position = 16777216 ; end position = 25165823
[21315] forked searcher child 21323

[21318] forked searcher child 21324
[21317] start position = 0 ; end position = 8388607
[21317] forked searcher child 21325
[21316] start position = 41943040 ; end position = 50331647
[21319] start position = 8388608 ; end position = 16777215
[21316] forked searcher child 21326
[21319] forked searcher child 21327
[21320] start position = 25165824 ; end position = 33554431
[21320] forked searcher child 21328
[21321] start position = 50331648 ; end position = 58720255
[21321] forked searcher child 21329
[21322] start position = 58720256 ; end position = 67108863
[21322] forked searcher child 21330
[21330] found at 64520807
[21322] searcher child returned
[21324] didn't find
[21318] searcher child returned
[21312] left child returned
[21325] didn't find
[21317] searcher child returned
[21311] left child returned
[21328] didn't find
[21320] searcher child returned
[21312] right child returned
[21323] didn't find
[21315] searcher child returned
[21313] left child returned
[21329] didn't find
[21321] searcher child returned
[21314] left child returned
[21314] right child returned
[21327] didn't find
[21319] searcher child returned
[21311] right child returned
[21309] left child returned
[21309] right child returned
[21308] left child returned
[21326] didn't find
[21316] searcher child returned
[21313] right child returned

[21310] left child returned
 [21310] right child returned
 [21308] right child returned

1.2 Process tree



2 Part 3

2.1 Order in which processes were created and killed.

[45012] start position = 0 ; end position = 67108863
 [45012] forked left child 45013
 [45012] forked right child 45014
 [45013] start position = 0 ; end position = 33554431
 [45014] start position = 33554432 ; end position = 67108863
 [45013] forked left child 45015
 [45013] forked right child 45016
 [45014] forked left child 45017
 [45014] forked right child 45018
 [45018] start position = 50331648 ; end position = 67108863
 [45015] start position = 0 ; end position = 16777215
 [45016] start position = 16777216 ; end position = 33554431
 [45017] start position = 33554432 ; end position = 50331647
 [45017] forked left child 45019
 [45016] forked left child 45020
 [45016] forked right child 45021

[45017] forked right child 45022
[45018] forked left child 45023
[45015] forked left child 45024
[45019] start position = 33554432 ; end position = 41943039
[45023] start position = 50331648 ; end position = 58720255
[45019] forked searcher child 45025
[45021] start position = 25165824 ; end position = 33554431
[45023] forked searcher child 45026
[45020] start position = 16777216 ; end position = 25165823
[45018] forked right child 45028
[45020] forked searcher child 45027
[45015] forked right child 45029
[45022] start position = 41943040 ; end position = 50331647
[45022] forked searcher child 45031
[45024] start position = 0 ; end position = 8388607
[45021] forked searcher child 45030
[45028] start position = 58720256 ; end position = 67108863
[45028] forked searcher child 45033
[45024] forked searcher child 45032
[45029] start position = 8388608 ; end position = 16777215
[45029] forked searcher child 45034
[45033] found at 64520807
[45033] received SIGTERM
[45023] received SIGTERM
[45026] received SIGTERM
[45028] received SIGTERM
[45017] received SIGTERM
[45018] received SIGTERM
[45013] received SIGTERM
[45014] received SIGTERM
[45024] received SIGTERM
[45029] received SIGTERM
[45032] received SIGTERM
[45015] received SIGTERM
[45019] received SIGTERM
[45025] received SIGTERM
[45022] received SIGTERM
[45020] received SIGTERM
[45034] received SIGTERM
[45021] received SIGTERM

[45030] received SIGTERM
[45027] received SIGTERM
[45031] received SIGTERM
[45016] received SIGTERM

2.2 Process tree

