

Report OS Lab 2

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1 Part 2

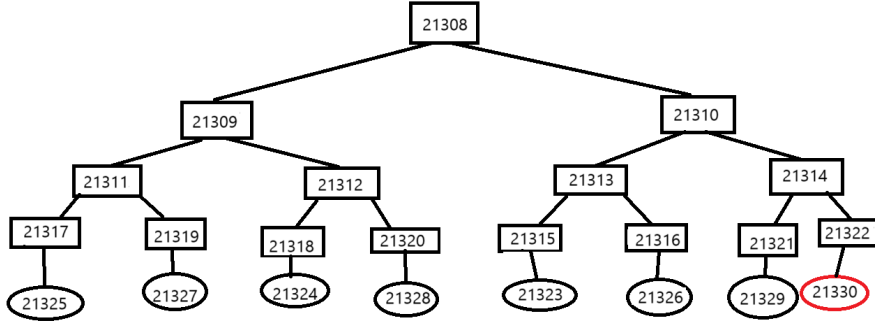
1.1 Order in which processes were created and killed.

[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.

[1081] start position = 0 ; end position = 67108863
 [1081] forked left child 1082
 [1081] forked right child 1083
 [1082] start position = 0 ; end position = 33554432
 [1083] start position = 33554433 ; end position = 67108863
 [1082] forked left child 1085
 [1083] forked left child 1084
 [1083] forked right child 1086
 [1082] forked right child 1087
 [1086] start position = 50331649 ; end position = 67108863
 [1085] start position = 0 ; end position = 16777216
 [1085] forked left child 1089
 [1086] forked left child 1088
 [1086] forked right child 1090
 [1085] forked right child 1091
 [1084] start position = 33554433 ; end position = 50331648

[1084] forked left child 1092
 [1087] start position = 16777217 ; end position = 33554432
 [1087] forked left child 1093
 [1087] forked right child 1094
 [1084] forked right child 1095
 [1091] start position = 8388609 ; end position = 16777216
 [1090] start position = 58720257 ; end position = 67108863
 [1091] forked searcher child 1096
 [1088] start position = 50331649 ; end position = 58720256
 [1090] forked searcher child 1097
 [1089] start position = 0 ; end position = 8388608
 [1088] forked searcher child 1098
 [1089] forked left child 1099
 [1089] forked right child 1100
 [1093] start position = 16777217 ; end position = 25165825
 [1093] forked left child 1101
 [1093] forked right child 1102
 [1094] start position = 25165826 ; end position = 33554432
 [1095] start position = 41943042 ; end position = 50331648
 [1095] forked searcher child 1103
 [1099] start position = 0 ; end position = 4194304
 [1100] start position = 4194305 ; end position = 8388608
 [1099] forked searcher child 1104
 [1100] forked searcher child 1105
 [1094] forked searcher child 1106
 [1092] start position = 33554433 ; end position = 41943041
 [1102] start position = 20971522 ; end position = 25165825
 [1102] forked searcher child 1108
 [1092] forked left child 1107
 [1101] start position = 16777217 ; end position = 20971521
 [1101] forked searcher child 1109
 [1092] forked right child 1110
 [1107] start position = 33554433 ; end position = 37748737
 [1107] forked searcher child 1111
 [1110] start position = 37748738 ; end position = 41943041
 [1110] forked searcher child 1112
 [1109] didn't find
 [1101] searcher child 1109 returned
 [1093] left child 1101 returned
 [1105] didn't find

[1104] didn't find
 [1100] searcher child 1105 returned
 [1099] searcher child 1104 returned
 [1089] left child 1099 returned
 [1089] right child 1100 returned
 [1111] didn't find
 [1085] left child 1089 returned
 [1107] searcher child 1111 returned
 [1092] left child 1107 returned
 [1108] didn't find
 [1102] searcher child 1108 returned
 [1093] right child 1102 returned
 [1087] left child 1093 returned
 [1112] didn't find
 [1110] searcher child 1112 returned
 [1092] right child 1110 returned
 [1084] left child 1092 returned
 [1097] found at 64520807
 [1090] received SIGTERM
 [1088] received SIGTERM
 [1086] received SIGTERM
 [1084] received SIGTERM
 [1095] received SIGTERM
 [1082] received SIGTERM
 [1085] received SIGTERM
 [1087] received SIGTERM
 [1091] received SIGTERM
 [1094] received SIGTERM

2.2 Process tree

