

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.

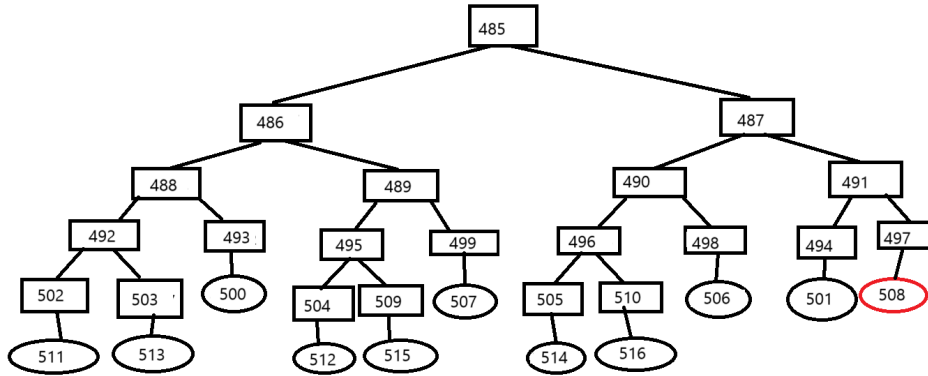
[485] start position = 0 ; end position = 67108863
[485] forked left child 486
[485] forked right child 487
[487] start position = 33554433 ; end position = 67108863
[486] start position = 0 ; end position = 33554432
[486] forked left child 488
[487] forked left child 490
[486] forked right child 489
[487] forked right child 491
[488] start position = 0 ; end position = 16777216
[491] start position = 50331649 ; end position = 67108863
[488] forked left child 492
[488] forked right child 493
[490] start position = 33554433 ; end position = 50331648
[489] start position = 16777217 ; end position = 33554432
[491] forked left child 494
[490] forked left child 496
[491] forked right child 497
[489] forked left child 495
[490] forked right child 498
[489] forked right child 499
[493] start position = 8388609 ; end position = 16777216
[494] start position = 50331649 ; end position = 58720256
[493] forked searcher child 500

[493] forked searcher child 500
[494] forked searcher child 501
[494] forked searcher child 501
[496] start position = 33554433 ; end position = 41943041
[492] start position = 0 ; end position = 8388608
[492] forked left child 502
[497] start position = 58720257 ; end position = 67108863
[495] start position = 16777217 ; end position = 25165825
[492] forked right child 503
[495] forked left child 504
[496] forked left child 505
[498] start position = 41943042 ; end position = 50331648
[499] start position = 25165826 ; end position = 33554432
[498] forked searcher child 506
[498] forked searcher child 506
[499] forked searcher child 507
[499] forked searcher child 507
[497] forked searcher child 508
[497] forked searcher child 508
[495] forked right child 509
[496] forked right child 510
[502] start position = 0 ; end position = 4194304
[504] start position = 16777217 ; end position = 20971521
[502] forked searcher child 511
[502] forked searcher child 511
[504] forked searcher child 512
[504] forked searcher child 512
[503] start position = 4194305 ; end position = 8388608
[503] forked searcher child 513
[505] start position = 33554433 ; end position = 37748737
[505] forked searcher child 514
[509] start position = 20971522 ; end position = 25165825
[503] forked searcher child 513
[509] forked searcher child 515
[509] forked searcher child 515
[505] forked searcher child 514
[510] start position = 37748738 ; end position = 41943041
[510] forked searcher child 516
[510] forked searcher child 516
[512] didn't find

[511] didn't find
[502] searcher child 511 returned
[504] searcher child 512 returned
[495] left child 504 returned
[492] left child 502 returned
[513] didn't find
[515] didn't find
[503] searcher child 513 returned
[492] right child 503 returned
[509] searcher child 515 returned
[488] left child 492 returned
[495] right child 509 returned
[489] left child 495 returned
[514] didn't find
[505] searcher child 514 returned
[496] left child 505 returned
[516] didn't find
[510] searcher child 516 returned
[496] right child 510 returned
[490] left child 496 returned
[508] found at 64520807
[497] searcher child 508 returned
[506] didn't find
[498] searcher child 506 returned
[490] right child 498 returned
[487] left child 490 returned
[501] didn't find
[494] searcher child 501 returned
[491] left child 494 returned
[491] right child 497 returned
[487] right child 491 returned
[500] didn't find
[493] searcher child 500 returned
[488] right child 493 returned
[486] left child 488 returned
[507] didn't find
[499] searcher child 507 returned
[489] right child 499 returned
[486] right child 489 returned
[485] left child 486 returned

[485] right child 487 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

