sp-hw10 許家文 408530049

1.殺不死

```
ulohg@ulohg-VirtualBox:~/Desktop/system-program/hw10$ kill 1830311
ulohg@ulohg-VirtualBox:~/Desktop/system-program/hw10$ ps -aux|grep "defunct"
              ohg-VirtualBox:~/Desktop/sys
1830311 0.0 0.0 0
1830312 0.0 0.0 0
1830313 0.0 0.0 0
1830314 0.0 0.0 0
1830315 0.0 0.0 0
1830316 0.0 0.0 0
1830317 0.0 0.0 0
1830318 0.0 0.0 0
1830319 0.0 0.0 0
1830320 0.0 0.0
ulohg
                                                            0 pts/4
                                                                                                         0:00 [ls] <d
0:00 [ls] <d
                                                                                   Z+
                                                                                            16:22
ulohg
                                                              0 pts/4
                                                                                            16:22
                                                            0 pts/4
0 pts/4
0 pts/4
                                                                                                         0:00 [ls]
0:00 [ls]
0:00 [ls]
ulohg
                                                                                          16:22
ulohg
                                                                                            16:22
ulohg
                                                                                   Z+
                                                                                            16:22
ulohg
                                                              0 pts/4
                                                                                            16:22
                                                                                                         0:00 [ls]
                                                                                                         0:00 [ls]
0:00 [ls]
0:00 [ls]
                                                              0 pts/4
0 pts/4
ulohg
                                                                                            16:22
ulohg
                                                                                            16:22
                                                              0 pts/4
ulohq
                                                                                   Z+
                                                                                            16:22
ulohg
               1830320 0.0 0.0
                                                               0 pts/4
                                                                                   Z+
                                                                                            16:22
                                                                                                         0:00 [ls]
ulohg
               1830431
                              0.0
                                       0.0
                                                 9684
                                                             720 pts/0
                                                                                            17:11
                                                                                                          0:00 grep
                                                                                                                          --color=auto
```

2.

ulohg@u	lohg-Virtu	alBox	:~/Des	ktop/syst	tem-program	/hw10\$	ps -au	x grep "defunct"
ulohg	1830311	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830312	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830313	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830314	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830315	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830316	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830317	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830318	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohg	1830319	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>
ulohq	1830320	0.0	0.0	0	0 pts/4	Z+	16:22	0:00 [ls] <defunct></defunct>

3.

法(1).parent要記得使用wait()

法(2)parent先產生一個child(稱A)再讓A去產生其他child(稱B), 若將A刪除後, B就沒parent了, 此時B的parent會改到pid 1的程式, 這個程式會幫我們執行wait()

執行時幾乎沒有zombie

4.大小為6400Byte

```
ulohg@ulohg-VirtualBox:~/Desktop/system-program/hw10$ sudo cat /proc/slabinfo|grep task_struct
task_struct 674 755 6400 5 8 : tunables 0 0 0 : slabdata 151 151 0
```