```
Time Flow —→>
CPU in Protected Mode, paging enabled. Architecture-independent kernel, mostly.
    PID zero
                          PID zero
                                                           PID zero
 init/main.c:507
                       init/main.c:432
                                              arch/x86/kernel/process 32.c:180
 start kernel()
                          rest init()
                                                         cpu idle()
                                                     Kernel idle thread
                      New kernel thread
                                                  PID 1
                             PID 1
                                                                      PID 1
                       init/main.c:808
                                             |init/main.c:769
                                                                  kernel execve
                                                                   /sbin/init
                        kernel init()
                                               init post()
```