[3epranonol monsbogembo-mine) page map - Omoopancenue kancgon bym. Companyus npousecca na goviz - gopethu une oor- une communa; B UNIX/Linux nomonu omn. manceible; Windows zamowens nanomonu, a mouselle menero cozgamo montono uz koulanghoù comporu at coggalin qua cesa 5 gon. nomousos; (ne ronguo, m. r. nomona mpesysom recypca, & reply ourege naments; e po// grayeroperun orporomum egegureenin (mystommunes cupolanue billeconounoromonnounocun); /proc/ [pid]/root root - soft link - grazubelm na nopemb go. c. moisecea; · stat - pater - unopopularens omorgecce; Banucubano ungoy o choux mayercase b grain u nonazbibano na nase; enviton:

#include < 9td; o.h> # define BUF_SIZE 0x 100 int main (int args, char * argus 3) Char buf CBUF_SIZEI; int len, i; FILE * F; f=open("/proc/setf/environ", "r"); while ((len=fread(buf,1,BUF_SIZE,f))>0) For (i = 0; i < len; i++) composed because (i = 0; i < len; i++) the (i = 0; i++) th buf[i]=10; / for Ox OA but [len] = 0; printf ("%5", buf); fclose (f); return o; (maps monche onvapenno cat) uoncho gabhumo 2 upopaululo, canunu-uupobarusce gcc u Qt; pearyun na urmeparuubuse coosmus Omzubylocmo upopaulul orens bancua peausnel bpense 27 au. onn-l peausnous brencerus POSIX (Souro panel):

Paroma cucmens manne orpozou, uno ona orposa-norbaem zanpocu bulunux no omn-10 k cucmenel npozec-cob (um gp. cucmen) za onp. unmepbas bplueleu; Buser mode, a b<u>kernel</u> mode. sapynealmore mogym signa Linux uneem usuammel signo. unosa brecom le rerouziènemen, rago eto nepekon Munipobamb (namuu); B UNIX/Linux moncho brocumo uznenema des repelhammulyum c namouyato zasp. nogyrew signa; mo tto, nompre nuceman no om uasionau; Cupyrmypa zom. mogym agpa va nymnepe hello worl t:

#include < linux/module.h> #include < linux/Kernel.h > #define < linux/init.h > // Trazamel museum oberzamenono MODULE_LICENSE ("GPL"): Static int __init my_module_init() Print K (KERN_INFO "Hello, World! (n"); return 0; Static Void __ exit my_module_exit ()

greenel, munembanem. vor, goernyma b ergne printx (KERN_INFO "Stop \n");

Sypolens mono- 4; neugnana Bill 6 lloggran agna yoncho ucuollo 32 module_init (my_module_init); banco moult modes-Momeru Repa, cman-gamman subucomba module_ex; t (my_module_ex;t); Bogne menens ecus mu op-yu; makefile (moomenum): 06j_m += motule.0 mare - C/lib/modules/\$(shell uname -r) /build M = \$(pwd) modules make-C/lib/modules/\$(shell uname-r) /build M=\$(pwd)clear Dygen ampanoca na cinamou alexa Yupranica (nunem gia IBM. com)

-C - onizur civetist kantanora u vepenog b kama sor ucregutur kogob signa -M - bezenam ospanisto b kamaisor ucrogstisti kogob mogyin; Tygen borbogumb b nor ps -ajn #include < linux /module.h > #include < linux/Kernel.h> #define < linux/shed.h > MODULE_LICENSE ("GPL"), Decknimmon moulecol or assurabance by supel & Kalbiselou Chucok; / rarano-init_taski ekenog na cueg. gecupunmon next_task; int init_module (void) Struct task_struct *task = &init_task; printx(KERN_INFO) 1-85, pid-8d,

parent: -85, pid-8d\n", task->comm,

task->pid, task->parent->comm,

task->parent->pid) 3 while ((task=next_task(task))!=∈t_task); return 0; int exit_module() teturn o;

ins mot - zaryzume negyne agpa; 1s mot - nacion pemb crucar negyneu agpa; rmmot - baryzume zarynceunu negyneuz agpa; Bre mu getiembus gornymus mausso cyrabanu superuser; Babeonn ungo uz nora: I mesq Tyn mornings ucn. commy <u>current</u> (menssissie morsecc)
Wonoubzyeman print (nompou rago nanucams nocue) Beero 8 yn - momoraunobarune (yndriew boiloga cooryenum): 0-KERN-EMERGE (onacnocint, grand) 1-KERN-ALERT (mpelora, croppignagem) 2-KERN (ATT 2-KERN_CRIT 3-KERN_ERR 4-KER N_WARNING 5-KERN_NOTICE 6-KERN_INFO 7-KER N_DEBUG Demonnence « nommeny rago borbo-gums state (mommans mo ero granena), Flags, prio (ne eguncombenine none, onpegninouzel njulommem), policy; Thanne econo euré areg. nous: struct mm_struct * mm] bubogums

Puz company sayupacaroman l pez-me upen-u, za ucunsorenem nepbora company comm-noue muna char; B georpunnegre monsecca ecus nouse struct fs_struct u struct files_struct; Bubegem ungo. 0 go. c. (struct fs_struct * fs):

genneme us neë
noneyunus foot e Thousece go zamycha sou goatinou => => munagnencan kakou mo konkpennou 90. c., y nonsonoù Soul root Manne 6 struct task_struct econs none struct treat_struct noxoncee (an manyan) + nout, kommon de donzamo Somb l'honge compromisabl (ivorghiozg-gon. nonnosu, nosmouy smu cmpynnyper pacurarosoman bronze)

3ag. v2 nozasp. moggsvam segra: Bzamnogemenbue zasp. mogynen segra (no Vympunky) 4 man zapanda EMB KOPLIMALIUR C ACCELLENCIONE (NOTOR HA MINONOMOGYMONICE MPOGRAMMEN) Tuibligux) osushienne rextern + header + marpoc export-symbol