Struct dentry Obbekuns dentry xpansman ne b mour buge, KAR OHU DRUCAHH, A KAR inode (KAR GOATTIE) u cozgaromen, na remy"; Obelem dent ry usncem naxogemoch в однош Mz 4 comornia: 1)free He cogeme goemolephoù ungognuayun u ne uen-ca VFS; Coomb. obt-mo namenn obpasanvibaemen SLAB allocatoriou; 4 SLAB cache 2) Unused Bracmodusee brems agrowklucu-ca Cienruk & count=0, no nace & inode no-npencularly yuazbibalm na comb. ungencular georgimmon; Henchorosyemen obylam deutry cogepham достоверную инорориацию, по ти кеобroquisoinu on u. 5. ygaien u ramonne u. 5. ochooomgena; 3/in use Ucnolozyeman agnou Bnenyuyuu uoueum; Cremruk d-count >0; Y manoro obserma econo inode (nove d-inode ynazubalm ra coomb. glanummon; Marsin obblum dentry He M. S. yganien;

4) negative (mocmo nazbanue) Dua pero ne ajuseconbyem coomb. eny inote; Imo boznonous, écun coemb. inote dons gganein c grena une odbenn dentry done Cozgan Kak 21-m nymu recynecombyrousency granly; Pare d-inote = NULL, no ossiënm Bcë euzë Kaxogerman b kelle dentry; dentry cache Обращение к диску- очень дитемымая терация; Ungoopuayun oб эл-те пути (Jentry) имеет inode (хранется на диске в виде ораша); Makux 21-mob nymu k godiny u. S. unovo, m.k. nanku noncho bkugubamo ogny b gryzyro; Kanegoe broncence-gonarumentusur etilen dentry (sieuceum nymu), m. e. goates; Tou objavelenux goatily upocuampulatomica bel 21-mis nymu (xanegotu paz-ospanjenie K gencky, Linomouy obserned fent ry xpanomica b nausmu (b kelue); Tyn mon our He ggansumen nøemo max, m.k. norym urnowydamoen nozne; I mo cyuzecmbenno ynenomalm bnema objanzenna k konkpemnany goanny;

B Linux rem dentry comoun uz 2 munos comyrmyn: 1) sét of dentry object b aveg. comornuen; in use, unuse, negative; 2) hash table que onemporo nouyulmus esbluma dentry, nomopour chryan c zagannom unenem ganda u zagannom kamanoom; Eun obserm, K komopany moncrogum objecuzenie, ne britorien brein fent py, mo go-jun Xellienebahur bezbp. Hyllbol znouenie: hem dentry goamweecku genembyem kak kommuneser que cache inode; It.e. xpane rema dentry econo cache inode (slab cache - evouarmo); Все эти кени хранятся в операпивной намати; Bee reuenous yeure garrise bruseren b gbychaz-un enucor, nomensur obnobusemen no anonumuy Agreca reploso u morreguero su-ma conecia LAU xpayorner coombemenbeuro b nover next is prev nep-now dentry-unused; trancquie observe dentry b cocmounine in use brinoualment by gbychuzunine concon (noil i_dentry) count. vole (identry = inode); Trove d_alias xpanum agreca cocegnux 21-mob b omicne;

(struct list_head: nous next u prev); B signe von- ca gbychorzune comercu gun obecneuerung onemposo goemyna за счёт реализации сооть. аморитись, простетими из которых явл. бинарный поиск Obserma tentry in use nough comanies negative, ecun ygandemen nocnegum hart link ka coomb. goam; Bonnou augrae obserm dentry repenseusa-enca b annon LAU unused-dentry; Dem-masuya realuzobana kar naccub Jentry_hashtable; Spin-Sloxupobra deache_lock zaugungaem conpyrmypu dentry cache om ognobnemen-noro gocomyna k unn b unoromponeccommune cucmenax;

dentry-operations. struct dentry_operations int (* Lrevalidate)(struct dentry*, unsignedint); int [* d_hash](const struct dentry*, unsigned int); int (* d_compare) (const struct dentry*, un signed int, const charx, const struct qstr x); int (* 1_delete)(const struct dentry *); int | # 1_ init / (const struct dentry *); int (* d_ release)(struct dentry *); void (* f-input)(struct dentry *, structinale *); char * (* f_name)(struct dentry *, char *, int); d-hash bozorbalma, Korga VFS gosabiscem dentry b xeu-masuuzy; Tenbou dentry, nomonou gosabuen c nouveus so d-hash, Abu. pogumeno kun kamanovan; 3-compare bozubalma qua moro, umoros chabrumo zagamol mua c muenem dentry; Tpu man nenbou dentry och pogumenen moro dentry, kompou gabrubalmar; Branamennax const struct gstr * - was, Скоторый падо сравнить; d-delete borzolbalma, ecun gganneman nocuez-una comma na dentry;

d-init borzonbalmonnpu cozgamui; 1_release bozoibalman mpu ochobonczeniu; dinput borzockalmen, korga dentry mepaleminode; d-name borzobalmen, korga reosxaguno crere-pupobanio nymo k 21-my dentry; Truner, norazobarouzuñ genembur, romonne Bomounsvomen b evemene gra goennyna r ganny mbox: /usr/ast/mbox Tenbol ognamenue: root inoje 6
directory /usr 76/00/132 zinodl26 | ock 406 mof unuena inose youdune mod size size 19 Click times 649 rants times 406 30 ann 92 600K5 60M60X 51 tom etc 26 USt B1 Min 6 USr 45 600/ 8 & m P /usr/ast/mbox (agreca) inode 60 В дисковом і по бе хранатся адреса блоков, в ко-6 coamb. ganti; struct inode cogepneum rain (mod, size, times,...), konnopue omnegenation breun noccegueso objecuse-nun, breun nocceguen mograpouramen a namer orona (agrec arona); inoté gannou gupennomen (lust) cogenneum nauge diana, l' xomegnan naxogumes ungogena-ucise gupennomen lust;

Uz cogernemiero diona nongralmi ino de Just/ast - 26; (mange) Tanyraen inode Just/ast/mbox - 60; Dance monzongèm oбращение к coomb. информации; beere 3 21-ma nymu, u emouse ospanzemu k buennen namunnu... Unerno nomany bce remnyemon; struct file omnenbalm omysmore opanion, nompone nymeno mangercy gin bom-a genember; B cucmerie cyweinbyem <u>ogna</u> masuwa omnysmunogoanist; struct File - gecknummen omknumen goallie ; Omkporns geaux wencem monorougece.

êcu goaux omkpubalmen nomoneux, mo on
b unione beë pabuoomkpubalmen moyeecean
(kan perype); Eleggeann brageen mousec;

```
struct file
      struct path f-path;
      struct inode *f_inode; /* cached value */
      const struct file_operations *f-op;
      atomic lons_t f_ count; // km-lo nciemmus comon
      unsigned int F_flags;
       Fmode_t F_mode;
       struct mutex f-pos_lock;
      Joff-t f-pos;

Germo mobilica, korga ogun gran ompubalmen razuentu moiseccariu

struct adtress-space * f_mapping;

Myrcobar? ?! Kak ocyusecmbu. omosp-e

in gania na gous companityei
   Decryumon ompomoro grawa uneen yra-
   zamens na inote (peaux na guene);
Struct file_operations
       struct module, * owner;
      loff_t (*11seek) (struct File*, loff_t, int);
      ssize_t (* read) (struct file*, char__user *,
              size_t, loff_t*);
      ssize_t (*write)(struct file *, const char_user *,
      size_t, loff_t *);

gate na guene nominate geon punnon, cozganustu
int (*open) (struct in ofe *, struct file *);
      int(*release)(struct inose*, struct file *);
5; (chabrumoc proc_ops, au cemunapor)
```

Parpasomuneu graubend garnens remempupo-bans clou go-yem reat/write; Barere & UNIX/Linux Bce grann? Dun moro, umosor bel genembua clocmu k ognomun-ным операциям (read/write) и "не разинопеать" эти денетвия, а именно свестик небольшому nadopy onepayeta; Ana penicompayin claux op-yun reat/write b granbenax iconomy eman (-mais) struct file-operations; J.c. proc <u>bupmyanonas</u>: ungoopen seyen cozgalnica na nemy";