Tyoganchill upo bzalliogeticmbul rapallelbur npoyeccob. F/1 = 1; 20 mhilo (f/2 ==1) if (que == 2) then to while (que == 2);//www.oncuga-fl 1 = 1; CR1; F/1-0; que=2;//gn. moyeccy DF1; t/1=0; Pr1; ent M Demubrol oncugarul ramosecropebylus renner bogementono pacsogyemca na moderny quara gryroro mayecca; sebegenne rep-non, ma exerces" mo remenue yonnamen nonagame morseccob & nynux u secr. ommioquelance Tpoyecc coary zaabannebaen choù

lo mo peuvenue gua 2 moiseccob => yena expelencia Econo eusé arronnul Temencona; (anaronnul gra 2 moyeccos) race con dition - prosecces remandres nouseums going no pazgendense nep-risus; Amapamuan pennizayin bzannoucunerus. BIBM 370 nadburaco komanga test-ant-set; Ona Abs. Hegeninoù (amanapuoù) u peansyem nar kegennae genombue npolopung u yomanobny znavenux b namme. Farm Eroxupalmu test-ant-set umalm znavenue come.

nlp-nou 6, norungem ero 6 a, nymchaubaem
6 znavenue brue;

conez megyanompennax rouanga

Unoubzobanue testant-set — amapannaa penunzayun (meeman Sronupobray Baranuu); Fuaccurecran annapamuan peasuzayun:

```
program we_testantset;
ff, c1, c2: rogical;
P1; while (1) to
            While (C1) do

testant set (C1, F1);
    Hend p1;
P2: While (1) 20
            while (c2) do

test and set (c2, FL);//
                                                  JUMMUNICAMA
Simple lock
Simple mutex
         Ch2;
fl=0;
1/ent P2;
 voil main()
{
ft=0;
```

parbegin, P2;
parent; tt = t-vue, norga mossur us mousecost konogumen b choën kymmunerken ynacmme (false); Myons 11 xouem beture & chou known. y Juacmor, a la gree narcogumas è choëu kruinwueckou graem-re. P1 yomanabuubulun nep-nys C1 u zougum b gumi npoblipun quara 2-20 repossocca (FL) kauangoù test and set; The P2 nanogumes l'observ xpunnivernan y nonme, fl=1. Vapranga test_and set obtagnymubalm suo u gemanabilibalm C1 u gemanabillibalin C1 B ply-ml P1 navog. A choin yund akundnow oncugarust go men non, nova P2 re Bringen uz choero kunuvelkoro gracinka u re copocini FV; Cumalmen, uno gannou cuces amapannos peaulization bransacionimentence ne mullegion à Secre-nernany ammagnements. Our los moncres, no eco Cepaninhocmo o'lesto mana; Cumpencel, uno korga morsecc besergem uz choeso upu-muneckoso yracomka u chacorbalm goran, mo, cuopee beero, grysoti prossecc cuoncem repenhamumo unu-yramaly u yemanobumo chou quar;

test_and_set annubronoulozyeman b signe OC; Ucharlozobarul test-and-set b yunne nnoberu zur-uluux nep-uou, naz. yunnurleraou Enorunobnia (sp;n lock); Void 5 pin_lock (spin_lock_t *C) condition While (test-and-set (*c)!=0)

/* pecype zonown*/ Void spin-unlock (spin-lock-t *C) * c = o; Зеашганды ношанды test-and-set во минис Францииниран свой ана с блогировной ишин памани; Врез-тедительный ушил опсидания монсет привести X ZAKANUNO UUNKA OJUUN NONVOKON KA JIMMELENDE GNEWE -> MAKEM NONUZUMB ONZEBULGOME OC; Dewenue motheun: 2 buoncernon yeursa; Void Spin_lock (spin_kote_t *c) While (test and set (*)!=0)

while (*c!=0);

ваш пер-ная зоняма, то начинает выпамянься обыкий изите проверки без захвата ишни данных; Ucnaus Staule Komangu test_ant_ set gin peasuzaigue Braunoucumouenua noz. annapanmoù peasuzaigueu Для всем расси. варианные харантерно нашине цина емен-дания (активные отид-я вушьле проверки значения пер-ной). Это кезоорен тивное источьзование процессорные. auagogier. 1965 - Detructura (Dijkstra E.W.) nelgionelli ucno-Mozobamo cemagopor kan cregombo biannouemnocemas; Canagoop Detikungo — recompuyamentana zangu-Ugenhasi rep-nax (5), fra nominai Ethin omegalento gbe Hegenhore onepargun V/5/ P(S) Ly Vrege Ven; (ocherogums); (nonycommo) P(S) ynekbluaem znavenue Cenagga Ska1; 18): 5= 5-1, eau 5-0; lan 5=0, no moyecé diskupyemen go men nga, nora genjemen ne cmarlin boznovensan; V(5): 5 = 5+1 => posoiouipobua monsecca, oncugaronsero abotonegenua cemagogna; K cemagoopy M. S. Opranuzebona <u>orépegé</u>: roga on by-gem ochobonegin eco cuercem zaxhamumu-u monyece uz orepegu;

Club na clustigogel oup unua o a 1, no clusigoge Suraphin, a ecu yeure now-numelibril uncia — cumarayin; Cerragion ochosonogaem gyreu upoyece; O vien cymo инноващи: Ease Mes Cergue, your mayer ue moncem gantes mumb clusopop, no on dioningencer => -> Kem akmishowoncuganila (m. K. Ke pack. процессорное время. Другой процесс, который освоюcemagan. И битировка, и разоможировка возможения maltine agran OC nocalfombour cucm. Buyobob, m.e. repersogen brenche agra, m. l. bel gluemble bemat-ususman agran OC, Imo zampanne, m. e. Me umba-gupobalu armibuol oncugalul, no upunin k cuem. Bezolan u nepersogy b peneun agra; 1/KAM. ZHALL P2: --5-1 P(S); (R1; V(S); P(S); CR1. V(5);

Tyllully ucnowszobanus cumasouzerocenagopa: Deullul zagalli monzbegemba - nompe Elelia (pro fucer - consumer) ka z cenagoonax; (megionerio veducina); Uneema Egapa pozniepall l'u 2 mina mozeccob. Know bogument monclin matour moustogemes consumér producer 1 и класть в будер единицу ganne, m. e. zanovnoimb suluku oygoepa; Thompesument noncem польно выбирамь данные uz dygoepa; 3 Cellagoga: 2 cumatouseix u 1 Sunaphous: se - empty (un con nyember sueen signera); 5F - full (uncuo zanonnelusux dueen Sygopa); 36 - 6; nary; consumer: while(1) program semaphore 3c, 5f, 56: int; P(SF); producer: while(1) P(56); corgamo zamuco; n=n-1; V(56); P(5e); V(se) H 56); HOYANO n=n+1; se=n;sf=0;s6=1; V(56); V(5f);

Bagala mousbogenba-nonglonellea-zagola, b rongoù ke maisso ocyuzelmbislemen bzaulienemiorenie // npoylocob (obecnerubalman ионопольный доступ к розденявисаму pecypcy, romophu Abu. egopen), no a realu-zylman cunxpoussassin moiseccob; Poducer numero nel cumen manoncumo 8 oygoep, eau nem chosognus sulen (m.l. eau se=0). Pla onepayun P(se) Projucer sygem dioningban go mex nop, roka con sumer ne echologum se neury sygema. Ochologub sulvny sygema, consumer unapluenningem se: ANANOMINO, CONSUMEN HER CHONCEM HUMERO by simb us syspepa, eau Syspep myon. On Sygem Sioneroban na 6F go nesc nop, nova producer ne nouvemen egu-Huyy ganner b Syppep. Tou man on unuplulmunyem 6F. Процессы Ави. асинпранный, т. е. Выполняются с собственной скоростыю Herber megenaramb, korga kanou Morrece mugen bom. mouny Thornol braumoncommodelle re megneraraem cunxpopulyayus; B colp. OC UNIX/Linux peanuzolana? Hadona censagoenob nause beero nas. uno - ? necombenhame censa gognam;

Pacau, bozu-mu culmatoujux cellagogus. Pagara Detircupu os osegatalyux garuscopax: Pla comore comoun 5 morellor, wenczy majer-Kalle no ognowy npusopy; 3 géneralux ganocagos. 1) Kanegon crozy numaemen byant обе вими; если удалась, mo oun egem u magym chazy ose bushu (ora recyrca); 2) Kancgoll normalmer Bzant malyo, ygemengeganium pecypcel: baem eë u noimalmax bzins rebyro; 3) hancque normalmes bzamb mabyo, ygennenbalm éé u normalmen bzamb lesu ne nouyeuroco bzamb rebyjo; rebyjo, mo kragem mabyjo (bozkpaugaem pecype); K reny monpulegém? Choubho gourocogod gupém upu nogroge! Voroghou Cresponoso (Secremennoe omminagenhamme) Эту задачу записывают с псественных семадостьв: naudly bro uno-

program example 5 Ft; // I 1- u cizenopiui forks; array[1--5] of semaphore; left, tight;: 1--5; leFt = (i+1) mots; right = i mots; while(1) to begin CpazMumem >
P(for K[left], for k [right]); LIXITIS, FORK S'right],

Leam >

V(Fork [left], Fork [right]);

LNJ;

LNJ; left=4, right=5; while(1) do begin Cpazumumem >
P[for K[left], for k [right]); MFork[left], Pork[right];

195 Св-вонабора семадооров: одной неделиной опера-чией (::) м.б. измененено значение всек им

racmu Cluagograb na sopa. Rolling Some Bleghen na Ego cemagoops! Imo pellillo Enbligho mostlilly gun 1965 roga -annubuel encuganul na monseccope, Ena pellena zagara bzau-monopunorenun (oberneienun monomenono gocomma). To b pergumaine naryumoco man, umo red solblue mumpyriermid varyaem morpalliucm, men bottome y reco bezninaem modelen C num. Ucnowsobance в программах бившего Kumuneckum cengusun, muboguno k ux nacmany nepecenemie. Conavo boznoncusiu nonagasue mongeccos B nymun. P2; ---P(S2) P(S1); CY1; V(S2); V(S1); V(S2). P(51) Dba upoisecca b paznan ngasigne zanbanisibarom canamissi manel olent cioncuo; missi empyrmymphum beë, Estil blegens pasque cerragopph;