

WassesPS bee er n k3 uar 9

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*s ievcm t n i
at cmce li'i lo d iA*
i . g. Wünp. H

at lvc s n w l i 'l v it lop
i u kw gt kvp-) pk, p

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E e v u“

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EO Us ku ws v Suuw “ ‘ Us
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EI o s .m

axr r eu cgr mtdl agi-Tgyng| R gufngv Asv| gw w agi-Tgyng| R gufngv R gufngv

E t-wl . i -ut

N znk vxki kj α mi ngvzky. ; k α xuij ‘ i kj s gt] hgyā zks ygt j i ut i kvzy ul F-- uhpki z0
uxdt zkj vxumxs s α mld k gryu j oi ‘ ykj u ‘ x vxumxs j k-kruvs kt z s kznuij urun] Cd k
yktki zkj gvvxuvxgzk gzzxh ‘ zky gt j hknng-axy lux kgi n irgyy gt j yvki ddj znk s gt t kx α
; nā n uhpki zy ul u ‘ x irgyyky i unghuxgzkj ; on uhpki zy ul F-- Yzgt j gxj Pdxgx] irgyyky zu
gi ius vroy n kgi n vxumxs ”yu-lxgr mugyl

N znqy ingvzky ; k zqk g j kkvkx nuuq g z irgyykyld k ‘ yk gt α zknxgzkj [knf irgyy igyk
yz ‘ j] α huzn znqy ingvzky gt j F ngvzky 43. F rgyyky CD G kkvkx Puuq. Ugx 5 zu j ks ut yxgzk
yk-lxgr irgyy i ut yz ‘ izaut igvghaxdyl d k hknat ; on g [knf irgyy zngz xk-ds ; y yk-lxgr ul
znklkgz ‘ xky vxkyt zkj α znk vxki kj α mi ngvzky la nk k[gs vrk gryu j ks ut yxgzk ygt α vux0
zgt z F-- yulz ; gxk kt nat kxat mi ut i kvz ‘ ya mg vxkvxui kyyux ; xgvv kx α nkj kx laky zu
vxk-kt z znk i uj k α znk nkj kx lous hka mat i ‘ j kj α zu znk ygs k yu ‘ xi k i uj k lark s uxk
zngt ut i kl Ya i k g irgyy i gt hk j kl α kj ut r] ut i k. ‘ ya my ‘ in vxkvxui kyyux j oki zo-ky vxk0
-kt zys ‘ rzv rk j kl α atut kxuxyl

S k[z ; k j oi ‘ yy irgyy i uvk gt j znk xkgzaut yno vgs ut mi rgyy s ks hksyl d kj ks ut 0
yxgzk nu ; irdt z i uj k i gt gi i kyy g irgyy ”rvcmkd s ks hksy -og znxkk z] vky ul ngt j rky
znkt gs kul gt uhpki z. g xldkkt i k zu gt uhpki z uxgvua z k zu gt uhpki z l Dy] u ‘ ”r ykk. uhpki z
t gs ky gt j xldkkt i ky i gt hk ‘ ykj ; on znk j uz +, s ks hks yktki zaut uvkxgzu zu gi i kyy g
rvcmkd s ks hks. gt j vua zky i gt hk ‘ ykj ; on znk gxxu ; +1A, s ks hks yktki zaut uvkxgzul

d k j oi ‘ yy gi i kyy l’ tizaut yzngz i gt xkgj uxj ovrg] j gzg α gt uhpki z l Di s s ut ‘ yk
ul gi i kyy l’ tizaut y o zu zkyz znk z ‘ zn uxlgryō] ul i ut j atut y ‘ y in l’ tizaut y gkqt u ; t
gyvxkj ā gzk l’ tizaut yld k gryu j ks ut yxgzk znkt uzaut ul g ‘ zaxō] l’ tizaut +gryu i gntkj g
nkrvkx l’ tizaut , g rskwbuf s ks hks l’ tizaut zngz y v vuxzy znk uvkxgzaut ul znk i rgyy ”
rvcmkd s ks hks l’ tizaut y. h ‘ z o t uz α zkt j kj lux ‘ yk h] irdt zy ul znk i rgyy l

N znk yki ut j [knf irgyy igyk yz ‘ j] k[gs vrk. ; k j ks ut yxgzk nu ; zu vgyy gxm s kt zy
zu i ut yz ‘ i zuxy gt j ynu ; nu ; j kl g ‘ rz gxm s kt zy i gt hk ‘ ykj α gi ut yz ‘ i zux zu kt ghk
irdt z i uj k zu α ogro “k uhpki zy ‘ ya mg -gxdk] ul gxm s kt zy l S k[z ; k j oi ‘ yy g yvki o r
s ks hks l’ tizaut i gntkj g j ky z ‘ i zux zngz o v g x ul k-kx] irgyy gt j o ‘ ykj zu v kdluxs z kx0
s α g zaut nu ‘ yk qkvat m ut gt uhpki z hkluxk znk uhpki z o j ky zu] kj l d k znkt j ks ut yxgzk
znk uxj kx α ; nā n i ut yz ‘ i zuxy gt j j ky z ‘ i zuxy g x k i gntkj . hki g ‘ yk] u ‘ x vxumxs y ”i uxxki z0
t kyy j kvkt j y ut ‘ ya mvxuvkx] α ogro “kj uhpki zy zngz ng-k t uz] k z hkt j ky zu] kj l

T' x rgyz k[gs vrk ul znk [knf i rgyy i gyk yz' j] α znq i ngvz kx ynu; y g j gt nkxu' y vxu0
 mgs s α mvxgi zā k α ; nā n g s ks hxl' t i zaut xkz' xt y g xklkxk i k zu rskwbuf j gzgld k
 j q i' y ynu; znq hxlkgyz nk kt i gvy' rgzaut ul g i rgyy gt j gnu; y i rdt z i u j k zu j o k i z r] g i i kyy
 gt uhpki z' y j gzgla nq rgyz k[gs vrk ynu; y zngz uhpki zy ul znk ygs k i rgyy i gt hk gyynt kj zu
 ut k gt uznkx' yā mj klg' rz s ks hlx; o k gyynt s kt z ; nā n i u v d y z n k j g z g s ks hlx y α znk
 uhpki z ut znk xā m z y j k ul znk gyynt s kt z α zu znk i u x k y v u t j α m j g z g s ks hlx y ul znk
 uhpki z ut znk r d z y j k ul znk gyynt s kt z l a n k i n g v z k x i u t i r' j k y; α n g j q i' y yaut ul yulz0
 ; g x k x k' y g h o x] 1

BM orl Dreyy Deyma-. l 2

T' x l o x y z k[gs vrk +l m y l B4-B6, i x k z k y i r g y y [knf gt j g j x o k x v x u m g s z n g z k y z y z n k i r g y l
 f u' "k g r k g j] i x k z k j s g t] i r g y y k y α z n q h u u q l n z n q y k i z a u t . ; k x k - d s s g t] ul znk i u t 0
 i k v z y i u - k x k j α F n g v z k x 6 g t j j k s ut y z x g z k g t α v u x z g t z F - - y u l z; g x k k t n a k x a m i u t 0
 i k v z ' yā m g v x k v x u i k y y u x; x g v v k x α n k g j k x l o k y z u v x k - k t z z n k i u j k α z n k n k g j k x l x u s
 h k a m a i r' j k j α z u z n k y g s k y u' x i k i u j k l o k s u x k z n g t ut i k l Y a i k g i r g y y i g t h k j k l a k j
 ut r] ut i k. ' yā m y' i n v x k v x u i k y y u x j o k i z o - k y v x k - k t z y s ' r z o v r k Q k l a α a u t k x x u y l

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2 // Hkh. ;.3< [knf.i
3 // Ffdmbsbukpo pg dmbtt [knf.
4 // Tfncfs gvodukpot bsf efgkofe ko [knf.drr
5
6 // rsfwfou nvmukrmf kodmvtkpot pg ifbefs gkmf
7 $kgoefg [NTG]M
8 $efgkof [NTG]M
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10 // [knf dmbtt efgkokukpo
21 dmbtt [knf
22
23 rvcmkd<
24 [knf*+= // dpotusvdups
25 wpke tfu[knf* kou0 kou0 kou += // tfu ipvs0 nkovuf boe tfdpoe
26 wpke rskou\okwfstbm*+= // rskou uknf ko vokwfstbm luknf gpsnbu
27 wpke rskouauboebse*+= // rskou uknf ko tuboebse luknf gpsnbu
28 rskwbuf<
29 kou ipvs= // 2 1 45 *461ipvs dmpd1 gpsnbu+
30 kou nkovuf= // 2 1 7;
31 kou tfdpoe= // 2 1 7;
32 = // foe dmbtt [knf
33
34 $foekg

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mE B [knf us vwy' "" l

untt I i lolulo

a n k i r g y y j k l a α a u t +l m l B4, i u t z g a y v x u z u z] v k y +α k y 46-49, l u x s ks hxl' t i z a u t y
 [knf. tfu[knf. rskou\okwfstbm gt j rskouauboebse. gt j α i r' j k y rskwbuf α z k n k x s ks 0
 hlx y i p v s. n k o v u f g t j t f d p o e +α k y 4A-53, 1 F r g y y [knf' y rskwbuf j g z g s ks hlx y i g t h k
 g i i k y k j u t r] h] α y l u' x s ks hxl' t i z a u t y l F n g v z k x 45 α z u j ' i k y g z n o j g i i k y y v k i d d x.
 r s p u f d u f e. g y; k y z' j] α n k x o g t i k g t j z n k v g x z α v r g] y α u h p k i z o u x d k t z k j v x u m g s s α m l



uul Twæves s æt n Twæi -ð m B

tv nrvoy(iskvliki ovy, zubli i luuul oolvts r(ts l æ i ri ukl æ ovt s FUri l
r l luwavy, ' lul y l(vl li uyt n iylF



au -l evn t nð mæt n gym0e-æut B

i lnl lsyt i niuwrtzrk i!l #r ico!ow ovy(zsnluoy is l uwt!ls y iyy l
ln lsysllkw r !ow ovy(Fe ouuisty lul i uwt t y l uws æwt t ni yuwl æl nF

N I æl B4. znk i rgy j klæ æwt oyt i ruykj æ znk lumu; æ m), p), (np-(, ->k) p, æt ky9. : gt j 56,C

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// rsfwfou nvmukrmf kodmvtcpot pg ifbefgs gkmf
$kgofeg [NTG}M
$efgkof [NTG}M
...
$foekg
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d nkt ; k h' æj rgnk vxumxs y. uznkx j klæ æwt ygt j j ki rgnæwt y; æt gryu hk vrgi kj æ
nkgj kx lækyl a nk vxki kj æ mvxkvxui kyyux ; xgvvkv vxk-kt zy znk i uj k hkz; kkt **5o sil**
æ; nð n s kgt y d t uz j klæ kj , gt j **5l sio** lxus hkæ mæ i r' j kj d znk t gs k [NTG}M ngy
hkkt j klæ kj 1N znk nkgj kx ngyt uz hkkt æ i r' j kj vxk-æ' yr] æ glæk. znk t gs k [NTG}M oyt
j klæ kj h] znk **5il osl** j æki zæ-k gt j znk nkgj kx læk ygzks kt zy gæ æ i r' j kj 1N znk nkgj kx
ngy hkkt æ i r' j kj vxk-æ' yr]. [NTG}M oyt klæ kj gækj] gt j znk nkgj kx læk oyt uz æ i r' j kj
gnæ 1 Dzks vzy zu æ i r' j k g nkgj kx læk s ' rzovrk zæ ky æt gj -æækt æt], z] v æ gæ] ui i' x æ
rgnk vxumxs y; æn s gt] nkgj kx læk yzngz s g] znks ykæ-ky æ i r' j k uznkx nkgj kx lækyl
Styl a nk i us s ut r] ' ykj i ut -kt æwt lux znk y] s huræ i ut yzgt z t gs k æ znk vxkvxui ky0
yux j æki zæ-ky oyt æ vr] znk nkgj kx læk t gs k æ ' vvkv i gyk; æn znk' t j kxyi uxk i ngægi zæx
ækvrgi æ mznk vxæuj l



wuvTw0nt-æut bæv B

g ubnr o , n o r o i s k n o r u l u w t l u v k æ l y æ l u w t t v i u l u w t l u v ' v i u l v
y i y u w ! l s y w l i k l v æ l w u t l æ n æ r z k l k t u l y i s t s l æ i u t m i F



uul Twæves s æt n Twæi -ð m B

g u y l s i l t y l l i k l v æ l æ z u u l v i æ ' o y y l u l v æ k æ l u r i l æ (i s z s k l u w t v l
æ y l n r o i s k n o r o u l u w t l u v k æ l æ l u t i l i k l v æ l F

untt i i y æulsot

N I æl B5. znk [knf i ut yz' i zux æt ky43-46, æ ægrö'kyznk j gzs ks hkxy zu 3 znk' t æ
-æægröæ k kw' æ-grkt z ul 45 DR 1a nøykt y' xkyzngz znk uhpki z hkæ æt g i ut yoykt z ygzkl
N-grö -gr' ky i gt t uz hk yzuxkj æ znk j gzs ks hkxy ul g [knf uhpki z. hki g' yk znk i ut 0
yz' i zux oyt i gækj ; nkt znk [knf uhpki z oyt i xkgzj. gt j gæy' hykw' kt z gzs vzy h] g i rkt z
zu s uj d] znk j gzs ks hkxy gæ yix' æt o'kj h] l' t i æwt t f u [knf æt o' ykj ynuæz], 1I æ
t gæ]. æ' y æ vuxgt z zu t ækzngz] u' i gt j klæ kyæ-kægr u-kærugj kj i ut yz' i zuxylux g i rgy l
a nk j gzs ks hkxy ul g i rgy i gt t uz hk æ ægrö'kj ; nkæ znk] æk j ki rækj æ znk i rgy
huj] 1N yææwt n] æki us s kt j kj zngz znkykj gzs ks hkxy hk æ ægrö'kj h] znk i rgy' y i ut 0
yz' i zux ægy znæ æt oyt u j klæ' rz æ ægrö'æwt lux l' t j gs kt ægrö' vk j gzs ks hkxy, 1G gzs
s ks hkxy i gt gryu hk gæækj -gr' ky h] [knf' y æl l' t i æwt y l Styl F ngvæx 43 j ks ut 0

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2 // Hkh. ;.4< [knf.drr
3 // Tfncfs1gvodukpo efgkokukpot gps dmbtt [knf.
4 $kodmvef >kptusfba
5 $kodmvef >kpnbokra
6 $kodmvef #[knf.i# // kodmvef efgkokukpo pg dmbtt [knf gspn [knf.i
7 vtkoh obnftrbdf tue=
8
9 // [knf dpotusvdups kokukbm k ft fbdi ebub nfncfs up fsp.
// Gotvsft bmm [knf pc'fdut tubsu ko b dpotktufou tubuf.
21 [knf<<[knf*+
22
23 ipvs ? nkovuf ? tfdpoe ? 2=
24 // foe [knf dpotusvdups
25
26 // tfu of! [knf wbmvef vtkoh vokwfstbm uknf= fotvsf uibu
27 // uif ebub sfnbkot dpotktufou c tfuukoh kowbmke wbmvef up fsp
28 wpke [knf<<tfu[knf* kou i0 kou n0 kou t +
29
30 ipvs ? * i A? 2 (( i > 46 + B i < 2= // wbmkebuf ipvs
31 nkovuf ? * n A? 2 (( n > 82 + B n < 2= // wbmkebuf nkovuf
32 tfdpoe ? * t A? 2 (( t > 82 + B t < 2= // wbmkebuf tfdpoe
33 // foe gvodukpo tfu[knf
34
35 // rskou [knf ko vokwfstbm1uknf gpsnbu *MM<TT<aa+
36 wpke [knf<<rskou\okwfstbm*+
37
38 dpvu >> tfugkmm* 2 + >> tfu!* 4 + >> ipvs >> #<#
39 >> tfu!* 4 + >> nkovuf >> #<# >> tfu!* 4 + >> tfdpoe=
40 // foe gvodukpo rskou\okwfstbm
41
42 // rskou [knf ko tuboebse1uknf gpsnbu *MM<TT<aa DT ps XT+
43 wpke [knf<<rskouaubeobse*+
44
45 dpvu >> * * ipvs ?? 2 ipvs ?? 34 + B 34 < ipvs & 34 + >> #<#
46 >> tfugkmm* 2 + >> tfu!* 4 + >> nkovuf >> #<# >> tfu!* 4 +
47 >> tfdpoe >> * ipvs > 34 B # DT# < # XT# +=
48 // foe gvodukpo rskouaubeobse

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mE BM [knf us w tw.y u“ vw“ ““ l

yzgzky zngz ut r] g irgyy tubukd dpotu j gzs ks hkxy ul α zknxgr ux fovn z] vkyigt hk α d
zgrō“kj α znk irgyy huj] l



Dus s ut Twanves s d n waw B

yy l uyæ n yt æ oyi ro) l i s t s -bcicr ki yi l lvt i ri u l uro yn(æ y l ri u kl o-
s oyt s ovi u s yi lvt vF

I' tizaut tfu[knf æ ky 4: -55, yg rvcmkd l' tizaut zngz j ki rgyky znxkk kou vgxgs k0
zkxy gt j ' yky znks zu ykz znk zæ kl D i ut j æ aut gr k[vxkyyaut zkzy kgi n gxm s kt z zu j kzkx0
s æ k; nkznkx znk -gr' k o y æ g yvki ddj xgt nk l l ux k[gs vrk. znk ipvs -gr' k æ k 4B, s ' yz
hk mkgz kx zngt ux kw' gr zu 3 gt j rky zngt 57. hki g' yk znk' t æ kygr 0 æ kluxs gz xkvxkyt zy
nu' xygy æ zknkylxus 3 zu 56 æ knl 4 UR o y nu' x 46 gt j 44 UR o y nu' x 56 s j t æ m z o y
nu' x 3 gt j t uut o y nu' x 45, 1 Yæ æ gr]. huzn nkovuf gt j tfdpoe -gr' ky æ ky 53 gt j 54,

s' yz hk mkgzkx zngt ux kw' gr zu 3 gt j rkyz zngt 931Dt] -gr' ky u' zyj k znkyk xgt nky gkx ykz zu "kxu zu kt y' xk zngz g [knf uhpki z gr; g] yi ut zgā yi ut yozkt z j gzg zngz o. znk uhpki z' yj gzg -gr' ky gkx gr; g] yqkvzā xgt nk. k-kt d znk -gr' ky vxu-ō kj gy gxm's kt zy zu l' tizait tfu[knf ; kxk α i uxxki z l N nqy k[gs vrk. "kxu ogy i ut yozkt z -gr' klux ipvs. nkovuf gt j tfdpoe l

D-gr' kvgykj zu tfu[knf ogy i uxxki z -gr' kd α'yā znk grū; kj xgt nk lux znks ks hkk α'yā αgro'ā n l Yu. gt] t' s hkk α znk xgt nk 3-56 ; u' rj hkg i uxxki z -gr' klux znk ipvs l Di uxxki z -gr' k ogy gr; g] ygy i ut yozkt z -gr' kl Mu; k-kx. g i ut yozkt z -gr' k oyt uz t ki kyygxa] g i uxxki z -gr' kl N tfu[knf ykzy ipvs zu 2 hki g' yk znk gxm's kt z xki kō-kj ; gy u' z ul xgt nk. znk t ipvs ogy i uxxki z ut r] d znki' xkt z zōs k ogy i ut i q kt zgr] s q t amzl

I' tizait rskou\okwfstbm +rā ky 58-5B ul l m l B15, zgqky t u gxm's kt zy gt j u' zv' zy znk zōs k α' t o-kxygrōs kluxs gz. i ut yozā mul znk ki i urut Oykvgxkj vgoxyl j mōylux znk nu' x. s α' zkgt j yki ut j l l ux k[gs vrk. d znk zōs k; kxk 4633: UR. l' tizait rskou\okl wfstbm ; u' rj xkz' xt 35<52<291Pα k 5: ' ykyvgxs kzkxō' kj yzks s gt o' rgzux **011 opp** zu yki d] znk **ru nt k, knh**, zngz ogy ovyrg] kj ; nkt gt α znk x ogy u' zv' z α gl d kj ; q kx zngt znk t' s hkk ul j mōy α znk -gr' kl E] j kl g' rz. znk lār i ngxgi zky gvvkx zu znk rldz ul znk j mōy α znk t' s hkk l N nqy k[gs vrk. d znk nkovuf -gr' k ogy 5. α ; ar hk j ovyrg] kj gy 35. hki g' yk znk lār i ngxgi zky ogy ykz zu "kxu + 2 , l N znk t' s hkk hka mu' zv' z lary znk yki d kj l d kj . znk lār i ngxgi zky ; ar t uz hk j ovyrg] kj l T t i k znk lār i ngxgi zky ogy yki d kj ; on tfu l gkmm. α gvvrdy lux gr y' hykw' kt z -gr' ky zngz gkx j ovyrg] kj α l d aj y ; q kx zngt znk -gr' k hka mj ovyrg] kj +olk l. tfugkmm ogy yā q] ykzā m l a n ogy ogy i ut zgyz zu tfu! . ; nā n gvvrdy ut r] zu znk t k[z -gr' k j ovyrg] kj +tfu! ogy t ut yā q] ykzā m l



www.Tm0nt-aut bov EM

i yop(lyyos n;u iui or i vi jlv tv ntiyos n-ut as yuul aats Awtzrk l vlytvlk yt oyuul! at zu lyos n' ls orust rts n lvs l lklk F i orul yt kt w i (vlyyos as t v l yr(tv i ylk tzyuz yri ylv as i ut nui F i uylv bj, dyl i Nuzy M tzyuz y, kowzu l w t' yt vlyy l or i vi jlv i s k u l aats F

I' tizait rskouauboebse +rā ky 65-6: , zgqky t u gxm's kt zy gt j u' zv' zy znk j gzk α ygt j gxj Oas k luxs gz. i ut yozā mul znk ipvs. nkovuf gt j tfdpoe -gr' ky ykvvgxkj h] i urut ygt j lumu; kj h] gt DR ux UR α j ā gzu x +kl n l 3<49<28 XT, l Paqkl' tizait rskou l \okwfstbm. l' tizait rskouauboebse' ykytfugkmm* 2 + zu luxs gz znk nkovuf gt j tfdpoe gy z ; u j mōy -gr' ky ; on rkgj α m "kxuy d t ki kyygx] l Pα k 67 ' yky znk i ut j oait gr uvkxgzu x +B<, zu j kzkxs α k znk -gr' k ul ipvs zu hk j ovyrg] kj d znk ipvs ogy 2 ux 34 +DR ux UR ,. α gvvkgygy 45 uznkx; ogy. znk ipvs gvvkgygy -gr' klxus 4 zu 441a nk i ut j oait gr uvkx0 gzu x α rā k 69 j kzkxs α ky ; nkznkx DR ux UR ; ar hk j ovyrg] kj l

I i lolo i i y oelso t ut l i v i u n t t I i lolulso m u n t t es i

H-kt znu' mngs ks hkk l' tizait j ki rgyj α g i rgyj klā oait s g] hk j klā kj u' zyj k zngz i rgyj klā oait +gt j zdkj zu znk i rgyj -og znk hā gx] yi uvk xkyur' zait uvkxgzu x. zngz s ks 0 hkk l' tizait ogy zā; onā zngz **n k-- -n()** p olkl. oyt gs k ogy t u; t ut r] zu uznkxs ks hky ul znk i rgyj' t rky xkl kxkj zu -og gt uhpki z ul znk i rgyj. g xkl kxkt i k zu gt uhpki z ul znk i rgyj. g v uā zky zu gt uhpki z ul znk i rgyj ux znk hā gx] yi uvk xkyur' zait uvkxgzu x l d k' r y g] s uxk ghu' z i rgyj yi uvk ynuxz] l

N g s ks hkk l' tizait ogy j klā kj α znk huj] ul g i rgyj j klā oait. znk i us vā kx gzks vzy zu α rā k i g r y zu znks ks hkk l' tizait l Wks ks hkk zngz znk i us vā kx xkykx-ky znk xomz t uz zu α rā k gt] l' tizait l



Tmwu et i mbov B

Dl α α ni l lv zs yots α ukly l ri ukl α oγots α ns luy l l lv zs yots ; o y l
t uorlv ttubyt kt wÆe awis o ut! l ulvtv is lF



au -l evn t nd mmæt n gym0e-aut BM

Dl α α ni w ir l lv zs yots α ukly l ri ukl α oγots kt lus ty ut tyl y l luy
w y' i ul ls nō llvō n, l izib nls yut y l ri u' or li nlyt ubly lo url ls yi yots t
y l zs yots, is k y l nls y tkl zy l ul t uork o y l zs yots kl α oγots is nluF



au -l evn t nd mmæt n gym0e-aut EO

Ts r(y l w utwisk ty w i n l lv zs yots w; o l l F' tū o url ls yi yots wi ul
zs npln(y t is n l Awt zrk l kl α lk α y l ri u w li klvF

i i y oeu s o t' tAz n cny oeu s o t

a n k r s k o u \ o k w f s t b m g t j r s k o u a u b o e b s e s k s h k x l' t i z a u t y z g q k t u g x n s k t z y. h k i g' y k
z n k y k s k s h k x l' t i z a u t y α v r i α r] q t u; z n g z z n k] "x k z u v x α z z n k j g z g s k s h k x y u l z n k v g x 0
z a' r g x [k n f u h p k i z l u x; n ā n z n k] "x k α -u q k j l a n y i g t s g q k s k s h k x l' t i z a u t i g n y s u x k
i u t i o k z n g t i u t -k t z a u t g r l' t i z a u t i g n y α v x u i k j' x g r v x u m x g s s α n l



au -l evn t nd mmæt n gym0e-aut EI

g u s n i s t l y -t v o l s y l k u t m i α n i u u t i t y l s w u o d w z s y o t s i m w (
u l k z α n y l s z l v t u i v i l y l u F e a u l s l o y t t l y -t v o l s y l k u t m i α n k l u d l u
v t y l i y y i y l s i u z n i y o s n k i y i l l u i s k l l v z s y o t s w' o y α i s t l y
n d l u y l l l v z s y o t s u y l v o n y y t i l u y l k i y i l l u i F



au -l evn t nd mmæt n gym0e-aut EF

l l v z s y o t s w i u l z u i m(w t y l v y i s z s y o t s w α s t s -t l y -t v o l s y l k u t m i w
l i z i b y l k i y i y t u l k α k i y i l l u w i l l o k l i m(l l s ! i r o k i y l k (i t s u n z y t v t v
(l l v z s y o t s u y i y y t u l s l' k i y i F B l i z i b y l k i y i a u i n l i k(α y l t l y, y l
l l v z s y o t s i m u t y l s i l l s t i u n z l s y u t v l' l v i u n z l s y u y i s y u o i r z s y o t s
i m u s s t s -t l y -t v o l s y l k r i s n z i n l u F e z u y l i m u i l w t y l v, y l z s y o t s k l α o γ o t s w
i u l w t y l v i s k y l z s y o t s u w t y t y (u l u i l w t y l v F e a u u t ! l w i s (i u l y u t u t m i
k l ! l r t u l s y F



wu w t m o n t -a u t b o v EO

e l i y y i y l l v z s y o t s i m u n s l v i m(y i p l l o y l v s t i u n z l s y u t v u z y i s y o i m(
l' l v i u n z l s y u y i s t s ! l s y o t s i r z s y o t s i m u s s t s -t l y -t v o l s y l k r i s n z i n l u l -
k z l u y l n p l r o t t k t u i u s n y l' u t s n i u n z l s y u y l' u t s n y (u l u t i u n z l s y u t v y l
' u t s n s z l v t i u n z l s y F

tlo urtt

T t i k i n g y [k n f n g y h k k t j k l α k j . α i g t h k' y k j g y g z] v k α u h p k i z g x g]. v u α z k x g t j x k l 0
k k t i k j k i r g x z a u t y g y l u m; y C

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huzn luxs gzy l P a k 59 gzzks vzyzu' yk t f u [k n f zu y k z z n k j g z g s k s h k x y z u a - g r j - g r' k y l' t i z a u t t f u [k n f x k i u m t o' k y z n o y g t j y k z y z n k a - g r j - g r' k y z u 3 z u s g a z g a z n k u h p k i z a g i u t y o y z k t z y z g z k l l a g r r]. r a k y 64 g t j 66 v x a z z n k z o s k g n g a a h u z n l u x s g z y l

ss lo Dic us us stlulso co ao i lwoei

T l z k t . i r g y k y j u t u z n g - k z u h k i x k g z k j l x u s y i x g z i n l W g z n k x . z n k j i g t a i r' j k u h p k i z y u l u z n k x i r g y k y g y s k s h k x y u x z n k j s g l h k o p , u p o l x u s u z n k x i r g y k y z n g z v x u - q k g z z x d 0 h' z k y g t j h k n g - a u x y z n k t k ; i r g y k y i g t ' y k l Y' i n y u l z ; g x k x k' y k i g t m x k g z r l k t n g t i k v x u 0 j' i z o - a z g t j y o s v r d l i u j k s g a z k t g t i k l N i r' j a m i r g y u h p k i z y g y s k s h k x y u l u z n k x i r g y k y o y i g n k j n (w) (- u h l ' a u x k s s , p s k h l ' , g t j o y j o i' y y k j a F n g v z k x 431 G k x o - a m t k ; i r g y k y l x u s k [o z a m i r g y k y o y i g n k j u t p , u h l n p g t j o y j o i' y y k j a F n g v z k x 451

iev l i

U k u v r k t k ; z u u h p k i z o u x d a z k j v x u n x g s s a m u l z k t y' v v u y k z n g z u h p k i z y s ' y z h k w' a k r g x n k h k i g' y k z n k j i u t z g a j g z g s k s h k x y g t j s k s h k x l' t i z a u t y l P u n i g r r]. z n o y o y z k' k j u' s g l z n a q u l u h p k i z y g y i u t z g a a m j g z g t j l' t i z a u t y a g t j u' x j o i' y y a u t n g y i k x z g a r l k t i u' x g n k j z n o y - d s , v n j y a g r r]. n u ; k - k x . z n o y o y t u z z k' k l



Tmwu et i mbov EM

T l y w t s y i a s t s r (k i y i , w t l y u i u l z w i m l v y i s o y l (i n o t s y i a l k l l v z s y o t s u f u u r (a n t u l v i y t v b r o t y t i n i u s i l t v y t i s t l y t y i y n i u w' o r d u t u y t s r (y l w) l t y l n i u u k i y i l l u f e l t u o l v u l i y l u t s l t u (; t s r (A t y l l - l v z s y o t s u b u i v i y l u t i r r t l y u t y l n i u f r t l y u t y l n i u u i u l y o u t s l t u (F i t l y , t t z v b , s l l k u o y u t ' s t u (t y l n i u u k i y i , l i z u b y l k i y i i s ! i v (i t s n y l t l y u f e l z s y o t s t k l o u s t s t k o a i n l i s k , l s l , i s l w i u l k i t s n i r t l y u t t s l n i u f

EO Dreyy ai uvmet l i i myd n Dreyy ns gmy

D i r g y' y j g z g s k s h k x y + g x o g h r k y j k i r g x k j a z n k i r g y j k l a a u t , g t j s k s h k x l' t i z a u t y a l' t i z a u t y j k i r g x k j a z n k i r g y j k l a a u t , h k r u t m z u z n g z i r g y' y y i u v k l S u t s k s h k x l' t i o z a u t y g x k j k l a k j g z m u h g r t g s k y v g i k y i u v k l

d a n a g i r g y' y y i u v k . i r g y s k s h k x y g x k a s k j a z k t j g i i k y y d r k h j g r u l z n g z i r g y' y s k s h k x l' t i z a u t y g t j i g t h k x k l k x k t i k j h j t g s k l T' z y j k g i r g y' y y i u v k . r v c m k d i r g y s k s h k x y g x k x k l k x k t i k j z n x u' m m u t k u l z n k t k' o p - u t g t u h p k i z g t u h p k i z t g s k . g x k l 0 k x k t i k z u g t u h p k i z u x g v u a z k x z u g t u h p k i z l a n k z v k u l z n k u h p k i z . x k l k x k t i k u x v u a z k x y k i d d y z n k a z k d g i k o l k l z n k s k s h k x l' t i z a u t y , g i i k y y d r k z u z n k i r d t z l d k' r y k a F n g v z k x 43 z n g z g t a v r i a n g t j r k o y a y k z k j h j z n k i u s v a k x u t k - k x j x k l k x k t i k z u g j g z g s k s h k x u s s k s h k x l' t i z a u t l x u s ; a n a g t u h p k i z l

R k s h k x l' t i z a u t y u l g i r g y i g t h k u - k x r u g j k j . h' z u t r j h j u z n k x s k s h k x l' t i z a u t y u l z n g z i r g y y l a u u - k x r u g j g s k s h k x l' t i z a u t . y o s v r j v x u - q k a z n k i r g y j k l a a u t g v x u 0 z u z j v k l u x k g i n - k x y a u t u l z n k u - k x r u g j k j l' t i z a u t . g t j v x u - q k g y k v g x g z k l' t i z a u t j k l o t a u t l u x k g i n - k x y a u t u l z n k l' t i z a u t l

c g x o g h r k y j k i r g x k j a g s k s h k x l' t i z a u t n g - k r u i g r y i u v k g t j g x k q t u ; t u t r j z u z n g z l' t i z a u t l N g s k s h k x l' t i z a u t j k l a k y g - g x o g h r k ; a n z n k y g s k t g s k g y g - g x o g h r k ; a n i r g y y i u v k . z n k i r g y o i u v k - g x o g h r k o y n o j j k t h j z n k h r u i q o y i u v k - g x o g h r k a z n k r u i g r y i u v k l Y' i n g n o j j k t - g x o g h r k i g t h k g i i k y y k j h j v x k i k j a m z n k - g x o g h r k t g s k ; a n z n k i r g y y t g s k

lum; kj h] znk yi uvk xkyur' zait uvkxguz <<, lMj j kt muhgr -gxghrky igt hk giikyky
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a nk j uz s ks hlx ykiki zait uvkxguz +., o vxki kj kj h] gt uhpki z'yt gs k ux; æn g xld 0
kxkt i k zu gt uhpki z zu giiky znk uhpki z'ys ks hlxyla nk **k**, (**—w pwnp**, **-p pnhl'** (**) p, khl**,
f o vxki kj kj h] g vuα zlx zu gt uhpki z zu giiky znk uhpki z'ys ks hlxyl

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l' tizait rskou +æ ky 4: -53, zu ær' yxgzk giiky æ mirgyys ks hlx; æn znk s ks hlx 0
zait uvkxguzyl ux yæ v ræ].; k"-k æ i r' j kj znqys girgyy æ znkyys klæk gynbko l P æ ky
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+g vuα zlx zu g Lpvou uhpki z, gt j dpvoufs Sfg +g xld kxkt i k zu g Lpvou uhpki z, l c gxghrk
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gt j 6: -6A. t uz k zngz znk vxumgs igt æ -uqk s ks hlx l' tizait ytfuj gt j rskou h] ' yæ m
znk j uz +., s ks hlx ykiki zait uvkxguz vxki kj kj h] k æ n k x znk t gs kul znk uhpki z +dpvoufs,
ux g xld kxkt i k zu znk uhpki z +dpvoufs Sfg. ; n æ n o y gt g rgy lux dpvoufs, l Yæ æ g x]. æ ky
74-75 j ks ut yxgzk zngz znk vxumgs igt æ -uqk s ks hlx l' tizait ytfuj gt j rskou h]
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44 dpvoufs.tfuj* 3 += // tfu ebub nfncfs up 3
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47 dpvu >> #afu up 4 boe rskou vtcoh b sfgfsfodf up bo pc'fdu< #=
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t’wū s w s wwwwuw | w t’wū s v s “ w | w t’wū l (i s C yCl)

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l’ tizaut j klαæut y +olk1 znk irgy’j α viks kt zgaut, l Wki gr zngz znos gqky α kgydx zu
s uj d] vxunxgs y gylgx gy i rdt zy ul g irgy g x i ut i kx kj. ingt nky α znk irgy’j α vrk0
s kt zgaut j u t uz gl lki z znk i rdt z gy rut mgy znk irgy’j α zklgik ux nkt gr] vxu-g kj zu znk
irdt z xks gt y’ tingt nkj l



au -l evm t nd mmt n gym0e-ut Eh

nls jut i niukt stysllk i luyt y l niuutwzvl tkl α tuklvut zuby l niuFe l
nls yukt, t’ l!lv, sllk yt l i nlyt ns pyt y l niuut l y tkl; otfEyl t uork
!lvats t y l niuFe ous tzvinlws kluls kls yw y’ i ul! ls ktvu, l wAyt ut! okl riw
ro viulwtv wrl tv ro ls wFe l l wut! okl α y lav utkz yuts r(yl liklv orluis k
y l t l y tkzrlwSt utwvlyi(α tv iyots owl! lirk i w tzrk ly l i w o w zvl
tkl’ l v ut! okl kFe l EE zlv t zs o(lsl o w (i! α n tul l -utkz lk
riwro viulwi! i oi nF

Di z’ gr]. znα ny g x t uz w’ æk znos xuy] l Mkgj kx laky j u i ut zgα yus kvuxzaut y ul znk
α viks kt zgaut gt j nα zyghu’ z uznkxyl N rα ks ks hlx0’ tizaut y. lux k[gs vrk. ynu’ rj hk
α g nkgj kx lak. yu zngz; nkt znk ius vαkx ius vaky g i rdt z. znk i rdt z igt αir’ j k znk
komkof l’ tizaut j klαæut α vrigik l Dirgy’j rskwbuf s ks hkxy g x ryzkj α znk irgy j kl0
α æut α znk nkgj kx lak. yu znky s ks hkxy g x -qdhk zu i rdt zy k-kt znu’ nm znk i rdt zy
s g] t uz giiky znk rskwbuf s ks hkxy l N Fngvzlx43.; kynu; nu; zu’ yk g vxu[] irgy
zu nq k k-kt znk rskwbuf j gzg ul g irgy lxus i rdt zy ul znk irgy l



au -l evn t nd mmæ n gym0e-aut E

N tv i yots o utvijsyyt yl æ ylvi l t i niuwtzrk l æ rzklk æ yl liklv onF
 N tv i yots y iy' or lzubk ts r(æ yls in(æ yl niuis k' orsty lsllklk (nls yw
 t yl niuwtzrk l æ rzklk æ yl zsu z rowlk wzv l onFe ouu(lyisty lvl i ur
 t yl uux owl nliyuud onnlF

E iimyy .ti-utyetl -æ2 .ti-uty

J mp- r l' nH' -igt xkj uxj ovrg] j gzlD t uznkxius s ut ' yklux giikyyl' tizaut yozu
 zkyz znkz' zn uxlgryæ] ul iut j æut y y' in l' tizaut ygxulzkt ignkj), poukH r l' nH' -.
 Dt k[gs vrk ul g vxkj ægz l' tizaut ; u' rj hk gt ktGnru l' tizaut lux gt] iut zgæ kx
 irgyy girgyyigvghrkul nurj æ ms gt] uhpki zy. rækgwfdups lDvxumægs s æmz zkyz ktGnr1
 u hkluxk ggzks vzæ mzu xkj gt uznkx æks lxus znki ut zgæ kx uhpki z lD t ktHvmm vxkj ægz
 l' tizaut s æmz zkyz g iut zgæ kx irgyy uhpki z zu j kzkss æ k ; nkznkx æ ngy t u gj j æut gr
 xuus l b ykl' r vxkj ægz l' tizaut ylux u' x [knf irgyys æmz hk ktDT gt j ktXT1

a nk vxumægs ul I æm l B18-B1 : j ks ut yzæzky znk tuzaut ul g' zææ] l' tizaut ægryu
 ignkj g t p) p, r l' nH' , lD' zææ] l' tizaut oyt uzvgz ul girgyy' rvcmkd æ zklgi k ægnkx.
 æ'yg rskwbuf s ks hxl l' tizaut zngz y' vvuxzy znk uvægzaut ul znki rgyy' rvcmkd s ks hxl
 l' tizaut y l b zææ] l' tizaut ygx t uz æ zkt j kj zu hk' ykj h] i rkt zy ul girgyy æ' zigt hk
 ' ykj h] l xdt j y ul girgyy. gy ; k' r ykk æ F ngvzæ 43,1

F rgyy æbmftXfstpo æl æl B18, j ki rækygt gææ] ul 45 s ut znr] ygrkyl æm xky ææ k4: , gt j
 znk vxuzuz] vky lux znki rgyy' i ut yzæ i zux gt j s ks hxl l' tizaut yzngz s gt æ' ræz znk gææ] l

```

2 // Hkh. ;.7< æbmftXfstpo.i
3 // æbmftXfstpo dmbtt efgkokukpo.
4 // Tfncfs gvodukpot efgkofe ko æbmftXfstpo.drr.
5 $kgoefg æDRGaX}M
6 $efgkof æDRGaX}M
7
8 dmbtt æbmftXfstpo
9
   rvcmkd<
21   tubukd dpotu kou npouitXfsqfbs ? 34= // npouit ko pof fbs
22   æbmftXfstpo*+= // dpotusvdups
23   wpke hfuaæbmftHspn\tfs*+= // korvu tæmft gspn lf cpbse
24   wpke tfuaæbmft* kou0 epvcmf += // tfu tæmft gps b trfdkkgd npoui
25   wpke rskouDoovbæbmft*+= // tvnnbsk f boe rskou tæmft
26   rskwbuf<
27   epvcmf upubmDoovbæbmft*+= // rspupu rf gps vukmku gvodukpo
28   epvcmf tæmfty npouitXfsqfbs {= // 34 npouim tæmft gkhvsft
29   = // foe dmbtt æbmftXfstpo
30
31 $foekg

```

æE E æbmftXfstpo us vw" "" l

N I æl B19. znk æbmftXfstpo i ut yzæ i zux ææ ky B-46, æ æææ'ky gææ] tæmft zu 'kxu l
 a nk rvcmkd s ks hxl l' tizaut tfuaæbmft ææ ky 63-6: , ykzy znk ygrkyl æm xk lux ut ks ut zn

α gxxg] tbmftla nkrvcmkds ks hxl' tizaut rskouDoovbmabmft 73–78, vxa zyznk
 zuzgr ygrky lux znk gyz 45 s ut znyla nk rskwbuf ' zæz] l' tizaut upubmDoovbmabmft 7A–89,
 zuzgry znk 45 s ut znr] ygrky lön xky lux znk hkt klæ ul rskouDoovbmabmft1R ks hlx
 l' tizaut rskouDoovbmabmft kj æy znk ygrky lön xky α zu s ut kzgx] luxs gz1

```

2 // Hkh. ;.8< abmftXfstpo.drr
3 // abmftXfstpo dmbtt nfncfs1gvodukpo efgkokukpot.
4 $kodmvef >kptusfba
5 $kodmvef >kpnbokra
6 $kodmvef #abmftXfstpo.i# // kodmvef abmftXfstpo dmbtt efgkokukpo
7 vtkoh obnfrbdf tue=
8
9 // kokukbm k f fmfnfout pg bssb tbmft up 2.2
  abmftXfstpo<<abmftXfstpo*+
21
22   gps * kou k ? 2= k > npouitXfsqfbs= k-- +
23   tbmfty k { ? 2.2=
24   // foe abmftXfstpo dptusvdups
25
26 // hf u 34 tbmft gkhvsft gspn uif vtfs bu uif lf cpbse
27 wpke abmftXfstpo<<hf uabmftHspn\tfs*+
28
29   epvcmf tbmftHkhvsf=
30
31   gps * kou k ? 3= k >? npouitXfsqfbs= k-- +
32
33   dpvu >> #Goufs tbmft bnpvou gps npoui # >> k >> #< #=
34   dko AA tbmftHkhvsf=
35   tfuabmft* k0 tbmftHkhvsf +=
36   // foe gps
37   // foe gvodukpo hf uabmftHspn\tfs
38
39 // tfu pof pg uif 34 npouim tbmft gkhvsft= gvodukpo tvcusbdut
3 // pof gspn npoui wbmvf gps rsprfs tvctdskru ko tbmft bssb
41 wpke abmftXfstpo<<tfuabmft* kou npoui0 epvcmf bnpvou +
42
43   // uftu gps wbmke npoui boe bnpvou wbmvt
44   kg * npoui A? 3 (( npoui >? npouitXfsqfbs (( bnpvou A 2 +
45   tbmfty npoui 1 3 { ? bnpvou= // be'vtu gps tvctdskrut 2133
46   fmtf // kowbmke npoui ps bnpvou wbmvt
47   dpvu >> #Nowbmke npoui ps tbmft gkhvsf# >> foem=
48   // foe gvodukpo tfuabmft
49
50 // rskou upubm boovbm tbmft *!kui uif ifmr pg vukmku gvodukpo+
51 wpke abmftXfstpo<<rskouDoovbmabmft*+
52
53   dpvu >> tfursfdktpo* 4 + >> gk fe
54   >> #zo[if upubm boovbm tbmft bsf< %#
55   >> upubmDoovbmabmft*+ >> foem= // dbmm vukmku gvodukpo
56   // foe gvodukpo rskouDoovbmabmft
57

```

```

58 // rskwbuf vukmku gvodukpo up upubm boovbm tbmft
59 epvcmf abmftXfstpo<<upubmDoovbmabmft*+
5
61 epvcmf upubm ? 2.2= // kokukbm f upubm
62
63 gps * kou k ? 2= k > npouitXfsqfbs= k-- + // tvnnbsk f tbmft sftvmut
64 upubm -? tbmfty k {= // bee npoui k tbmft up upubm
65
66 sfuvso upubm=
67 // foe gvodukpo upubmDoovbmabmft

```

mE Eh abmftXfstpo us w tw.y u“ vw” “ I(is C yCl)

N I mlBt. tuzik zngz znk gvvri gzaat”y nbko l’ tizaut αir’ j ky ut r] g yos vnk ykw’ kt ikuls ks hxxl’ tizaut igry znkxk gxtt ui ut zauryzgzks kt zyla nk runni ul s gt α0 ’ rga mznk tbmft gxxg] o y ius vnkzkr] kt igvy’ rgzkj α ingyy abmftXfstpo”ys ks hxxl’ ti0 zaut yl



au -l evn t nd mmæ n gym0e-ut E—

*u l st l s t s t t l y t v o l s y l k u t m i α n o u y i y t s l i n i u u k l α l k, v l i y o s n i s k
i s o u z r i y o s n t l y u t y i y n i u t y l s α ! t r l o u z α n t s r (i w u r l u z l s l t l l v
z s y o t s i m w l ’, o i s (, t s y u t r u y i y l l s y u i u l s l l k l k F B (t s y u i u y, o y w t t s y t
i ! l t s y u t r u y i y l l s y u s y l o u r l l s y i y o t s t i n i u u w l l v z s y o t s u f*

```

2 // Hkh. ;.9< gkh2;}29.drr
3 // \ukmku gvodukpo efnpotusbukpo.
4 // Lpnrkmf uikt rsphsbn !kui abmftXfstpo.drr
5
6 // kodmvef abmftXfstpo dmbtt efgkokukpo gspn abmftXfstpo.i
7 $kodmvef #abmftXfstpo.i#
8
9 kou nbko*+

21 abmftXfstpo t= // dsfbuf abmftXfstpo pc'fdu t
22
23 t.hfuabmftHspn\tfs*+= // opuf tknrmf tf vfoukbm dpef= uifsf bsf
24 t.rskouDoovbmabmft*+= // op dpouspm tubufnfout ko nbko
25 // foe nbko

```

```

Goufs tbmft bnpvou gps npoui 3< x .
Goufs tbmft bnpvou gps npoui 4< ~ ~.
Goufs tbmft bnpvou gps npoui 5< .
Goufs tbmft bnpvou gps npoui 6< .v
Goufs tbmft bnpvou gps npoui 7< .
Goufs tbmft bnpvou gps npoui 8< .
Goufs tbmft bnpvou gps npoui 9< .~~
Goufs tbmft bnpvou gps npoui :< .
Goufs tbmft bnpvou gps npoui ;< v .
Goufs tbmft bnpvou gps npoui 32< x~ .

```

mE Ej m““ y u“ vw s“ I(is A yCl)

```
Goufs tbmft bnpvou gps npoui 33< v~ .
Goufs tbmft bnpvou gps npoui 34< ~ . ~
[if upubm boovbm tbmft bsf< %82342.7;
```

mE E m “ “ y u “ vw s “ l(i s C yCl)

h orl Drey Deyma-. l 2 Dut y-wi -uy l o P me. r- w. s nt -y

a nk vxumxs ul I onyl BIA-B143 kt ngt i ky i rgy [knf zu j ks ut yzgz k nu; gxm s kt zy g xk 0 v r i o r] vgykj zu g i ut yz' i zux la nk i ut yz' i zux j kl a kj a I onl B15 a a g r o "kj ipvs. nko l vuf gt j t f d p o e zu 2 + o k l s g t m n z a ' t o - k x y g r z o s k, l P a k u z n k x l' t i z a u t y. i u t y z' i z u x y i g t y w k i d] j k l g' r z g x m s k t z y l P a k 46 ul I onl B1A j k i r g x k y z n k [knf i u t y z' i z u x z u a i r' j k j k l g' r z g x m s k t z y. y w k i d] a m g j k l g' r z - g r' k u l "k x u l u x k g i n g x m s k t z v g y k j z u z n k i u t 0 y z' i z u x l N I onl B1B. r a k y 43-46 j k l a k z n k t k; - k x y a u t u l z n k [knf i u t y z' i z u x z n g z x k 0 i k o - k y - g r' k y l u x v g x g s k z k x y i s. n k o g t j t f d z n g z; a r h k ' y k j z u a a g r o "k r s k w b u f j g z g s k s h k x y i p v s. n k o v u f g t j t f d p o e. x k y v k i z o - k r] l F r g y [knf v x u - g k y u y g t j n l y l' t i z a u t y l u x k g i n j g z g s k s h k x l a n k [knf i u t y z' i z u x t u; i g n y t f u [knf. ; n a n i g n y z n k t f u M p v s. t f u T k o v u f g t j t f u a f d p o e l' t i z a u t y z u - g r j g z k g t j g y o n t - g r' k y z u z n k j g z g s k s h k x y l a n k j k l g' r z g x m s k t z y z u z n k i u t y z' i z u x k t y' x k z n g z. k - k t d t u - g r' k y g x k v x u - g k j a g i u t y z' i z u x i g r. z n k i u t y z' i z u x y z a r a a g r o "k y z n k j g z g s k s h k x y z u s g a z g a z n k [knf u h 0 p k i z a g i u t y o z k t z y z g z k l D i u t y z' i z u x z n g z j k l g' r z y g r o y g x m s k t z y o y g r y g j k l g' r z i u t 0 y z' i z u x o k l g i u t y z' i z u x z n g z i g t h k a - u q k j ; a n t u g x m s k t z y l a n k x k i g t h k g z s u y z u t k j k l g' r z i u t y z' i z u x v k x i g y y l

```
2 // Hkh. ;.:< [knf.i
3 // [knf dmbtt dpoubkokoh b dpotusvdups !kui efgbvmu bshvnfout.
4 // Tfncfs gvodukpot efgkofe ko [knf.drr.
5
6 // rsfwfou nvmukrmf kodmvtkpote pg ifbefgs gkmf
7 $kgoefg [NTG}M
8 $efgkof [NTG}M
9
10 // [knf bctusbdu ebub u rf efgkokukpo
21 dmbtt [knf
22
23 rvcmkd<
24 [knf* kou ? 20 kou ? 20 kou ? 2 += // efgbvmu dpotusvdups
25
26 // tfu gvodukpot
27 wpke tfu[knf* kou0 kou0 kou += // tfu ipvs0 nkovuf0 t f d p o e
28 wpke tfuMpvs* kou += // tfu ipvs *bgufs wbmkebukpo+
29 wpke tfuTkovuf* kou += // tfu nkovuf *bgufs wbmkebukpo+
30 wpke tfuafdpoe* kou += // tfu t f d p o e *bgufs wbmkebukpo+
31
32 // hf u gvodukpot
33 kou hf u Mpvs* += // sfuvso ipvs
```

mE E— [knf u s u s “ “ ’ s u u “ | v w y s s ’ w l(i s A y Cl)

```

34     kou hfutkovuf*+= // sfuvso nkovuf
35     kou hfuaftpoe*+= // sfuvso tftpoe
36
37     wpke rskou\okwfstbm*+= // pvurvu uknf ko vokwfstbm1uknf gpsnbu
38     wpke rskouauboebs*+= // pvurvu uknf ko tuboebse1uknf gpsnbu
39 rskwbuf<
3     kou ipvs= // 2 1 45 *461ipvs dmpd1 gpsnbu+
41     kou nkovuf= // 2 1 7;
42     kou tftpoe= // 2 1 7;
43     = // foe dmbtt [knf
44
45 $foekg

```

mE E— [knf us u s“ “ ’ s u u “ | vvy s ’ w l(i s C y Cl)

N I m1B1B. rā k45 ul znki ut yz’ i zux i gny s ks hxl’ t izait tfu[knf; æn znk–gr’ ky vgykj zu znki ut yz’ i zux+uxznkj klg’ rz–gr’ ky, 1I’ t izait tfu[knf i gny tfuMpvs zu kt y’ xk zngz znk–gr’ ky vvdj lux ipvs oα znk xgt nk 3–56. znkt i gny tfuTkovuf gt j tfuaftpoe zu kt y’ xk zngz znk–gr’ ky lux nkovuf gt j tftpoe gk kgi n α znk xgt nk 3–8B1 N g–gr’ k o u’ z ul xgt nk. zngz–gr’ k o ykz zu “kxu +zu kt y’ xk zngz kgi n j gzs ks hlx xks gα y α g i ut 0 yozkt z ygzk, 1 N F ngvz kx 49. H i kvzait Mgt j rā m; k’ yk k i kvzait y zu α j ā gzk; nkt g–gr’ k o u’ z ul xgt nk. xgnkx zngt yō vr] ggyon α mg j klg’ rz i ut yozkt z–gr’ kl

```

2 // Hkh. ;.;< [knf.drr
3 // Tfncfslgvodukpo efgkokukpot gps dmbtt [knf.
4 $kodmvef >kptusfbnA
5 $kodmvef >kpnbokrA
6 $kodmvef #[knf.i# // kodmvef efgkokukpo pg dmbtt [knf gspn [knf.i
7 vtkoh obnftrbdf tue=
8
9 // [knf dpotusvdups kokukbm ft fbdi ebub nfncfs up fsp=
// fotvsft uibu [knf pc'fdut tubsu ko b dpotktufou tubuf
21 [knf<<[knf* kou is0 kou nko0 kou tfd +
22
23     tfu[knf* is0 nko0 tfd += // wbmkebuf boe tfu uknf
24     // foe [knf dpotusvdups
25
26 // tfu of! [knf wbmvf vtkoh vokwfstbm uknf= fotvsf uibu
27 // uif ebub sfnbkot dpotktufou c tfuukoh kowbmke wbmvt up fsp
28 wpke [knf<<tfu[knf* kou i0 kou n0 kou t +
29
2     tfuMpvs* i += // tfu rskwbuf gkfme ipvs
31     tfuTkovuf* n += // tfu rskwbuf gkfme nkovuf
32     tfuaftpoe* t += // tfu rskwbuf gkfme tftpoe
33     // foe gvodukpo tfu[knf
34
35 // tfu ipvs wbmvf
36 wpke [knf<<tfuMpvs* kou i +
37

```

mE E [knf us w tw.y u“ vvy“ “ “ u v“ ’ s u u | s s–w s ’ w l (i s A y Cl)

```

38      ipvs ? * i A? 2 (( i > 46 + B i < 2= // wbmkebuf ipvs
39      // foe gvodukpo tfuMpvS
3
41      // tfu nkovuf wbmvf
42      wpke [knf<<tfuTkovuf* kou n +
43
44      nkovuf ? * n A? 2 (( n > 82 + B n < 2= // wbmkebuf nkovuf
45      // foe gvodukpo tfuTkovuf
46
47      // tfu tfdpoe wbmvf
48      wpke [knf<<tfuafdpoe* kou t +
49
4      tfdpoe ? * t A? 2 (( t > 82 + B t < 2= // wbmkebuf tfdpoe
51      // foe gvodukpo tfuafdpoe
52
53      // sfuvso ipvs wbmvf
54      kou [knf<<hfuMpvS*+
55
56      sfuvso ipvs=
57      // foe gvodukpo hfuMpvS
58
59      // sfuvso nkovuf wbmvf
5      kou [knf<<hfuTkovuf*+
61
62      sfuvso nkovuf=
63      // foe gvodukpo hfuTkovuf
64
65      // sfuvso tfdpoe wbmvf
66      kou [knf<<hfuafdpoe*+
67
68      sfuvso tfdpoe=
69      // foe gvodukpo hfuafdpoe
6
71      // rskou [knf ko vokwfstbm1uknf gpsnbu *MM<TT<aa+
72      wpke [knf<<rskou\okwfstbm*+
73
74      dpvu >> tfugkmm* 2 + >> tfu!* 4 + >> hfuMpvS*+ >> #<#
75      >> tfu!* 4 + >> hfuTkovuf*+ >> #<# >> tfu!* 4 + >> hfuafdpoe*+=
76      // foe gvodukpo rskou\okwfstbm
77
78      // rskou [knf ko tuboebse1uknf gpsnbu *MM<TT<aa DT ps XT+
79      wpke [knf<<rskouauboebse*+
7
81      dpvu >> * * hfuMpvS*+ ?? 2 hfuMpvS*+ ?? 34 + B 34 < hfuMpvS*+ & 34 +
82      >> #<# >> tfugkmm* 2 + >> tfu!* 4 + >> hfuTkovuf*+
83      >> #<# >> tfu!* 4 + >> hfuafdpoe*+ >> * ipvs > 34 B # DT# < # XT# +=
84      // foe gvodukpo rskouauboebse

```

mE E [knfus w tw.y u“ vwy“ ““ “ u v“ ’ s u u |s s-w s’ w l
(i s C yCl)

a nk [knfiutyx’ izuxiu’ rj hk; xozkt zu αir’ j k znk ygs k yzgzks kt zy gy s ks hxx
l’ tizaut tfu[knf0 uxk-kt znk α j o-j’ gryzgzks kt zy α znk tfuMpvS. tfuTkovuf gt j tfu1
afdpoe l’ tizaut y1F grrα mtfuMpvS. tfuTkovuf gt j tfuafdpoe lxus znk iut yxz’ izux s gl

hk yomnzi s uxklld dktzhki g' ykznk k[xgi gr zu tfu[knf; u' rj hkkro α gzkj lYos αgr]. iuv] α mznki uij klxus rā ky 5: . 66 gt j 6B α zu i ut yz' i zux; u' rj kro α gzkznk u-kxnkgj ul igmā mt fu[knf. tfuMpv s. tfuTkovuf gt j tfuafdpoe lF uj α mznk [knf i ut yz' i zux ux s ks hxl' t izaut tfu[knf gy g iuv] ul znk i uij k α rā ky 5: . 66 gt j 6B; u' rj s gqk s gt zkt gt i k ul znq i rgy s uxk j dā' r l N znk α vks kt zgza ut y ul tfuMpv s. tfuTkovuf gt j tfuafdpoe; kx zu ingt nk. znk α vks kt zgza ut ul gt] s ks hxl' t izaut zngz j' v r0 igzky rā ky 5: . 66 gt j 6B; u' rj ng-k zu ingt nk gi i uxj α m l Mg-α mznk [knf i ut yz' i zux i gr tfu[knf gt j ng-α mt fu[knf i gr tfuMpv s. tfuTkovuf gt j tfuafdpoe kt ghky' y zu rō α znk ingt nky zu i uij k zngz-grj gzy znk ipvs. nkovuf ux t fdpoe zu znk i uxkyvut j α m uyl' t izaut l a nōy xkj' i ky znk rōkronuuj ul kxuxy; nkt grkxα mznk i rgy' y α vks kt zg0 za ut l Dryu. znk vxluxs gt i k ul znk [knf i ut yz' i zux gt j tfu[knf i gt hk kt ngt i k j h] k[v rā o r] j ki r g x α mznks komkof ux h] j klā α mznks α znk i rgy j klā o r α ut +; nā n α v rā 0 o r] α rā ky znk l' t izaut j klā o r α ut , l



au -l evn t nd m māt n gym0e-ut E

Ni l lv zs yots t i ri u i n l i k(ut ! o k l u i r r t v u i v y t y l z s y o t s i n o y(v l z o u l k
(i t s u n z y t v ; t v t y l v l lv z s y o t s A t y l r i u p i r y i y l lv z s y o t s u t
y l t s u n z y t v ; t v t y l v l lv z s y o t s A f e a u r o u r o d u y l i a s y l s i s l t y l t k l
i s k u l k z l u y l r o p l r o t t k t i s l u t v o y l o u n l s y i y o t s t y l t k l o w t k o d k F u i
n l s l v i r u z n l ! t o k u l u l i y a s n t k l F



au -l evn t nd m māt n gym0e-ut B G

s (i s n l y t y l k l i z r y i v n z l s y ! i r z l w t i z s y o t s u l z o u l u y l n l s y t k l y t l
v l t u o r k ; y t l s u v l y i y y l u w t m i y o r r z s y o t s w t v l y r (A f

I' t izaut nbko α I an l B43 α αgr "kylo-k [knf u h p k i z y ut k; α n g r z n x k k g x n s kt zy j klg' r l j α znk α v rā α i ut yz' i zux i gr rā k B. ut k; α n ut k g x n s kt z y v k i d d j rā k 43, . ut k; α n z; u g x n s kt z y v k i d d j rā k 44, . ut k; α n z n x k k g x n s kt z y v k i d d j rā k 45, gt j ut k; α n z n x k k α-grj g x n s kt z y v k i d d j rā k 46, l a n k t znk v x u n x g s j o v r g l y k g i n u h p k i z α ' t o-k y g r O α s k g t j y z g t j g j O α s k l u x s g z y l

```
2 // Hkh. ;.32< gkh2;}32.drr
3 // Ffnpotusbukoh b efgbvmu dpotusvdups gps dmbtt [knf.
4 $kodmvef >kptusfbnA
5 $kodmvef #[knf.i# // kodmvef efgkokukpo pg dmbtt [knf gspn [knf.i
6 vtkoh obnftrbdf tue=
7
8 kou nbko*+
9
```

```
[knf u3= // bmm bshvnfout efgbvmufe
21 [knf u4* 4 += // ipvs trfdkgkfe= nkovuf boe tfdpoe efgbvmufe
22 [knf u5* 430 56 += // ipvs boe nkovuf trfdkgkfe= tfdpoe efgbvmufe
23 [knf u6* 340 470 64 += // ipvs0 nkovuf boe tfdpoe trfdkgkfe
24 [knf u7* 490 960 ;; += // bmm cbe wbmvtft trfdkgkfe
25
26 dpvu >> #Lpotusvdufe !kui<zozou3< bmm bshvnfout efgbvmufezo #=
27 u3.rskou\okwfstbm*+= // 22<22<22
28 dpvu >> #zo #=
```



```

29      u3.rskouauboebse*+= // 34<22<22 DT
2
31      dpvu >> #zozou4< ipvs trfdkgkfe= nkovuf boe tfdpoe efgbvmufezo # =
32      u4.rskou\okwfstbm*+= // 24<22<22
33      dpvu >> #zo # =
34      u4.rskouauboebse*+= // 4<22<22 DT
35
36      dpvu >> #zozou5< ipvs boe nkovuf trfdkgkfe= tfdpoe efgbvmufezo # =
37      u5.rskou\okwfstbm*+= // 43<56<22
38      dpvu >> #zo # =
39      u5.rskouauboebse*+= // ;<56<22 XT
3
41      dpvu >> #zozou6< ipvs0 nkovuf boe tfdpoe trfdkgkfezo # =
42      u6.rskou\okwfstbm*+= // 34<47<64
43      dpvu >> #zo # =
44      u6.rskouauboebse*+= // 34<47<64 XT
45
46      dpvu >> #zozou7< bmm kowbmke wbmvt trfdkgkfezo # =
47      u7.rskou\okwfstbm*+= // 22<22<22
48      dpvu >> #zo # =
49      u7.rskouauboebse*+= // 34<22<22 DT
4      dpvu >> foem=
51      // foe nbko

```

Lpotusvdufe !kui<

u3< bmm bshvnfout efgbvmufe
22<22<22
34<22<22 DT

u4< ipvs trfdkgkfe= nkovuf boe tfdpoe efgbvmufe
24<22<22
4<22<22 DT

u5< ipvs boe nkovuf trfdkgkfe= tfdpoe efgbvmufe
43<56<22
;<56<22 XT

u6< ipvs0 nkovuf boe tfdpoe trfdkgkfe
34<47<64
34<47<64 XT

u7< bmm kowbmke wbmvt trfdkgkfe
22<22<22
34<22<22 DT

mE H G U u “ | vws s’ w l(is C yCl)

suit i c lo untt *Egpho WpHy oelstoco usotv ew*

[knf”y ulygt j nlyl’ tizaut ygxikgnkj znxu’ nnu’ z znk irgyy’ huj] 1N vxza’ rgx. l’ tizaut
tfu[knf 4α ky4: –55 ul I αnl BIB, ignyl’ tizaut ytfuMps. tfuTkovuf gt j tfuafdpoe. gt j
l’ tizaut y rskou\okwfstbm gt j rskouauboebse igr l’ tizaut y hfumps. hfutkovuf gt j
hfuaafdpoe α 4α k96–97 gt j 4α ky: 3÷5. xkyvki zo-kr] 1N kgi n igyk. znkykl’ tizaut yi u’ ij
ng-k gi i kykj znk irgyy’ rskwbuf j gzg j oki zr] 1Mu; k-kx. i ut yj kx ingt nat mznk xkvxykt 0

zgzaut ul znk zō k l xus znkxk kou -gr' ky xkw' oα m45 h] zky ul s ks ux], zu g yα nk kou -gr' kxkvxkyt zα mznkzuzgrt' s hlxul yki ut j yzngz ng-kkrvykj yα i ks q t amz xkw' oα m ut r] lu' x h] zky ul s ks ux], 1N; k s gj ky' in g ingt nk ut r] znk huj dy ul znk l' t izaut y zngz gi i kyy znk rskwbuf j gzg j oα ki zr] ; u' rj t k kj zu ingt nk α vgxzā' r g x. znk α j o- q' gr uhygt j nlyl' t izaut y lux znk i pvs. nkou vuf gt j t f d p o e l a nk xk; u' rj hkt ut t k kj zu s uj d] znk huj dy ul l' t izaut y t f u [knf. rskou \okw f s t b m u x r s k o u a u b o e b s e. hki g' yk znk] j u t u z gi i kyy znk j gzg j oα ki zr] 1Gkyom α mznk i rgyy α znq s gt t k x xkj' i ky znk r o q k r o n u u j ul v x u 0 n x g s α m k x x u x y; nkt grz k x α mznk i rgyy' y α v r k s k t z g z a u t l

Yō agxr]. znk [knf i ut yz' izux i u' rj hk; xozkt zu α i r' j k g i u v] ul znk g v v x u v x o g z k y z g z k s k t z y l x u s l' t i z a u t t f u [k n f l G u α m y u s g] h k y r o m z r] s u x k k l i d k t z. hki g' yk znk k[x g i u t y z' i z u x i g r g t j i g r z u t f u [k n f g x k k r o s α g z k j 1 M u; k - k x. j' v r i g z α m y z g z k s k t z y α s' r z o r k l' t i z a u t y u x i u t y z' i z u x y s g q k y i n g t n α m z n k i r g y y' α z k x t g r j g z g k x v x k y k t z g 0 z a u t s u x k j d l d' r z l M g - α m z n k [k n f i u t y z' i z u x i g r l' t i z a u t t f u [k n f j o α k i z r] x k w' o k y g t] i n g t n k y z u z n k α v r k s k t z g z a u t u l t f u [k n f z u h k s g j k u t r] u t i k l



Dus s ut Twanves s α n wuw BM

ts uuz ytv is irty lv l lv zs yots ut y l ri u w i u y k z t v n k z s yots w zy l izub yl ts uuz ytv a u s o i n) α n y l t l y, y l k i y i l l u w i (s t y (l y l α i t s u y l s y y i l F g u s n k i y i l l u w l t u l y l (i l l l s u t u l u r (α o y o i n) l k i s i z i b n n o l u t u v F

E Pmy-wi-uw

Dop-Hl nH, oγ gt uznkx z] vk ul yvki oγ s ks hlx l' t i z a u t l a n k t g s k u l z n k j k y z' i z u x l u x g i r g y y o z n k H o p n t k, k n f j. l u m u; k j h] z n k i r g y y t g s k l a n o y t g s α m i u t - k t z a u t n g y α z' o α - k g v v k g r. hki g' yk gy; k' r r y k k α g r g z k x i n g v z k x. z n k z o j k u v k o g z u x o z n k h o z; o k i u s 0 v r k s k t z u v k o g z u x. g t j. α g y k t y k. z n k j k y z' i z u x o z n k i u s v r k s k t z u l z n k i u t y z' i z u x l D j k y z' i z u x o u l z k t x k l k x k j z u; o n z n k g h h x k - o g z a u t j z u x α z n k r o k x g z' x k l d k v x k l k x t u z z u' y k z n o y g h h x k - o g z a u t l

D i r g y y' j k y z' i z u x o y i g n k j α v r i o r] ; n k t g t u h p k i z o y j k y z u] k j l a n o y u i' x y. l u x k[g s v r k. g y g t g' z u s g z ā u h p k i z o y j k y z u] k j ; n k t v x u m x g s k[k i' z a u t r k g - k y z n k y i u v k α ; n ā n z n g z u h p k i z ; g y α y z g t z o g z k j l e l k l y u z y t v o y b r k t l u s t y i y z i m (u l n i u b y l t l y w l t v (α v k x l u x s y H, w u k H (' t (l - p v p p) u s h k l u x k z n k u h p k i z' y s k s u x] o y x k i r g o k j. y u z n k s k s u x] s g] h k x k' y k j z u n u i j t k; u h p k i z y l

D j k y z' i z u x x k i k o - k y t u v g x g s k z k x y g t j x k z' x t y t u - g r' k l D j k y z' i z u x s g] t u z y v k i d] g x k z' x t z] v k t u z k - k t w p k e l D i r g y y s g] n g - k u t r] u t k j k y z' i z u x j k y z' i z u x u - k x r u g j α m o y t u z g m u; k j 1 D j k y z' i z u x s' y z h k r v c m k d l



Dus s ut Twanves s α n wuw EO

Nyui u s y i l u t v y t i y l u y y t u i u i v r z l s n y u t i k l y u z y t v, y t u l o (i u l y z u s y (u l t v i k l y u z y t v; ! l s t r i s s t y l u l o d k A y t u l y z u s ! i r z l w u t i k l y u z y t v t y t t ! l v n i k i k l y u z y t v F

H-kt znu' nm j k y z' i z u x y n g - k t u z h k k t v x u - q k j l u x z n k i r g y y k y v x k y k t z k j y u l g x. k - k x] i r g y y n g y g j k y z' i z u x l N] u' j u t u z k[v r i o r] v x u - q k g j k y z' i z u x. z n k i u s v o k x i x k g z k y g t k s v z] j k y z' i z u x l S t y l d k' r r y k k z n g z y' i n g t α v r i o r] i x k g z k j j k y z' i z u x j u k y. α l g i z. v k x l u x s α v u x z g t z u v k o g z a u t y u t u h p k i z y z n g z g x k i x k g z k j z n x u' n m i u s v u y o z a u t

+F ngvzlx 43, gt j α nkxōgt i k +F ngvzlx 45, 1 N F ngvzlx 44.; k'rh' aj j kyx' i zuxygvvxu0 vxōgzklux i rgyky; nuyk uhpki zy i ut zgā j] t gs ā gr] grui gzkj s ks ux] +klnl lux gōxg] ygt j yxā ny, ux' yk uznkx y] yzks xkyu' xi ky +klnl lōky ut j oq.; nā n; kyx' j] α F ngvzlx 4: , 1 d k j oī' yynu; zu j] t gs ā gr] grui gzk gt j j kgm i gzk s ks ux] α F ngvzlx 431



au -l evn t nd mmāt n gym0e-aut B l

w' l: r i b l α y l l u l i α s k l v t y l t t p, t s u p z y t v u i s k k l y u z y t v u i l l z m l i y l v u t α l s l α E E i s k t l y t v u l s y l k u t m i α n y i s a u t u o n l y t s ! l (i y l v t s r t z v u l α y t k z y o t s l u l F

E—d nt Duty-wi-uyetl Pny-wi-uy vñDermi

F ut yx' i zuxy gt j j kyx' i zuxy gk i grnkj α vrā o r] h] znk i u s v ā k x l a n k u x j k x α ; nā n znkyk l' t i z a u t i g n y u i i' x j k v k t j y u t z n k u x j k x α ; nā n k[ki' z a u t k t z k y g t j r k g -k y z n k y i u v k y ; n k k z n k u h p k i z y g k α y z g t z o g z k j 1 L k t k o g r] . j k y x ' i z u x i g n y g k s g j k α z n k x k 0 -k o y k u x j k x u l z n k i u x x k y v u t j α m i u t y x ' i z u x i g n y . h ' z g y ; k ' r y k k α I a n y 1 B 4 4 -B 4 6 . z n k y z u x g n k i r g y k y u l u h p k i z y i g t g r z k x z n k u x j k x α ; nā n j k y x ' i z u x y g k i g r n k j 1

F ut yx' i zuxy gk i grnkj lux uhpki zy j klā kj α n m u h g r y i u v k h k l u x k g t] u z n k x l' t i z a u t +ā i r' j α m n b k o , α z n g z l a k h k n a t y k [k i ' z a u t +g r z n u' n n z n k u x j k x u l k [k i ' z a u t u l n m u h g r u h p k i z i u t y x ' i z u x y h k z ; k k t l o k y o y t u z m g x g t z k j , 1 a n k i u x x k y v u t j α m j k y x ' i z u x y g k i g r n k j ; n k t n b k o z k s α g z k y 1 l' t i z a u t 1 o l l u x i k y g v x u n x g s z u z k s α g z k α s k j o g z k r] g t j j u k y t u z k [k i ' z k z n k j k y x ' i z u x y u l g' z u s g z ā u h p k i z y l a n k l' t i z a u t u l z k t o y' y k j z u z k s α g z k g v x u n x g s ; n k t g t k o x u x o y j k z k i z k j α z n k α v' z u x d g l a k z u h k v x u i k y k j h] z n k v x u n x g s i g t t u z h k u v k t k j 1 l' t i z a u t d t -1 v k d l u x s y y α o g x r] z u l' t i z a u t f k u h' z l u x i k y z n k v x u n x g s z u z k s α g z k α s k j o g z k r] . ; α n u ' z g m u ; α m z n k j k y x ' i z u x y u l g t] u h p k i z y z u h k i g r n k j 1 l' t i z a u t b c p s u o y' y' g r] ' y k j z u α j ā g z k g t g h t u x s g r z k s α g z a u t u l z n k v x u n x g s 1 +Y k k D v v k t j d I . l u x s u x k α l u x s g z a u t u t l' t i z a u t y f k u g t j b c p s u l

a n k i u t y x ' i z u x l u x g t g' z u s g z ā r u i g r u h p k i z o y i g r n k j ; n k t k [k i ' z a u t x k g i n k y z n k v u a z ; n k k z n g z u h p k i z o y j k l ā k j z n k i u x x k y v u t j α m j k y x ' i z u x o y i g r n k j ; n k t k [k i ' z a u t r k g -k y z n k u h p k i z y' y i u v k +o l k l z n k h r u i q α ; nā n z n g z u h p k i z o y j k l ā k j n g y l ā o n k j k [k 0 i' z ā m 1 F u t y x ' i z u x y g t j j k y x ' i z u x y l u x g' z u s g z ā u h p k i z y g k i g r n k j k g i n z α k k [k i ' z a u t k t z k y g t j r k g -k y z n k y i u v k u l z n k u h p k i z 1 G k y x ' i z u x y g k t u z i g r n k j l u x g' z u s g z ā u h p k i z y d z n k v x u n x g s z k s α g z k y ; o n g i g r z u l' t i z a u t f k u u x l' t i z a u t b c p s u l

a n k i u t y x ' i z u x l u x g t u b u k d r u i g r u h p k i z o y i g r n k j u t r] u t i k . ; n k t k [k i ' z a u t l o x z x k g i n k y z n k v u a z ; n k k z n k u h p k i z o y j k l ā k j z n k i u x x k y v u t j α m j k y x ' i z u x o y i g r n k j ; n k t n b k o z k s α g z k y u x z n k v x u n x g s i g n y l' t i z a u t f k u l l r u h g r g t j t u b u k d u h p k i z y g k j k y z u l k j α z n k x k -k o y k u x j k x u l z n k o x i x k g z a u t 1 G k y x ' i z u x y g k t u z i g r n k j l u x t u b u k d u h p k i z y d z n k v x u n x g s z k s α g z k y ; o n g i g r z u l' t i z a u t b c p s u l

a n k v x u n x g s u l I a n y 1 B 4 4 -B 4 6 j k s u t y x g z k y z n k u x j k x α ; nā n i u t y x ' i z u x y g t j j k y x ' i z u x y g k i g r n k j l u x u h p k i z y u l i r g y L s f b u f D o e F f t u s p +l a n l B 4 4 g t j I a n l B 4 5 , u l -g x a u' y z u x g n k i r g y k y α y k -k x g r y i u v k y l H g i n u h p k i z u l i r g y L s f b u f D o e F f t u s p i u t z g ā y g t α z k n k x +p c' f d u N F , g t j g t u s k o h +n f t t b h f , z n g z g x k' y k j α z n k v x u n x g s y' u' z v' z z u o j k t z d] z n k u h p k i z +l a n l B 4 4 r ā k y 4 9 -4 : , 1 a n o y s k i n g t ā g r k [g s v r k o y v' x k r] l u x v l j g 0 m u n u i v' x v u y k y l l u x z n o y x k g y u t . r ā k 5 4 u l z n k j k y x ' i z u x α I a n l B 4 5 j k z k s α k y ; n k z n k x z n k u h p k i z h k α m j k y z u l k j n g y g t p c' f d u N F -g r' k 3 u x 8 g t j . d y u . u' z v' z y g t k s ; r ā k i n g x 0 g i z k x l a n o y r ā k s g q k y z n k v x u n x g s y' u' z v' z k y d k x z u l u m u ; 1

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2 // Hkh. ;.33< LsfbuDoeFftusp .i
3 // LsfbuDoeFftusp dmbtt efgkokukpo.
4 // Tfncfs gvodukpot efgkofe ko LsfbuDoeFftusp .drr.
5 $kodmvef >tuskohA
6 vtkoh obnftrbdf tue=
7
8 $kgoefg LSGD[G]M
9 $efgkof LSGD[G]M

21 dmbtt LsfbuDoeFftusp
22
23 rvcmkd<
24 LsfbuDoeFftusp * kou0 tuskoh += // dpotusvdups
25 LsfbuDoeFftusp *+= // eftusvdups
26 rskwbuf<
27 kou pc'fduNF= // NF ovncfs gps pc'fdu
28 tuskoh nfttbhf= // nfttbhf eftdskckoh pc'fdu
29 = // foe dmbtt LsfbuDoeFftusp
2
31 $foekg

```

mE B I LsfbuDoeFftusp us vw“ ““ I

```

2 // Hkh. ;.34< LsfbuDoeFftusp .drr
3 // LsfbuDoeFftusp dmbtt nfncfslgvodukpo efgkokukpot.
4 $kodmvef >kptusfba
5 $kodmvef #LsfbuDoeFftusp .i// kodmvef LsfbuDoeFftusp dmbtt efgkokukpo
6 vtkoh obnftrbdf tue=
7
8 // dpotusvdups
9 LsfbuDoeFftusp <<LsfbuDoeFftusp * kou NF0 tuskoh nfttbhfauskoh +

21 pc'fduNF ? NF= // tfu pc'fdu t NF ovncfs
22 nfttbhf ? nfttbhfauskoh= // tfu pc'fdu t eftdskrukWF nfttbhf
23
24 dpvu >> #Vc'fdu # >> pc'fduNF >> # dpotusvdups svot #
25 >> nfttbhf >> foem=
26 // foe LsfbuDoeFftusp dpotusvdups
27
28 // eftusvdups
29 LsfbuDoeFftusp << LsfbuDoeFftusp *+
2
31 // pvurvu of!mkof gps dfsubko pc'fdut= ifmrt sfbebcckmku
32 dpvu >> * pc'fduNF ?? 3 pc'fduNF ?? 8 B #zo# < ## +=
33
34 dpvu >> #Vc'fdu # >> pc'fduNF >> # eftusvdups svot #
35 >> nfttbhf >> foem=
36 // foe LsfbuDoeFftusp eftusvdups

```

mE B M LsfbuDoeFftusp us w tw.y u“ vw“ ““ I

I an xk B46 j klα ky uhpi z gkstu α k 43, α mnhgr yi uvkl Ny i ut yz' i zux oy gi z' gr] i grkj hkluxk gt] yzgzks kt zyα nbko k[ki' zk gt j oyj kyzz' i zux oy i grkj gz vxumxgs zks o t gzaot glzxx znk j kyzz' i zuxylux grr uznkx uhpi zy ng-k x' t l

I' tizaut nbko #a ky 45–56, j ki r g x k y z n x k k u h p k i z y l T h p k i z y t f d p o e #a k 48, g t j g p v s u i #a k 54, g x k r u i g r g' z u s g z a u h p k i z y. g t j u h p k i z u i k s e #a k 49, o y g t u b u k d r u i g r u h p k i z l a n k i u t y z x' i z u x l u x k g i n u l z n k y k u h p k i z y o y i g r k j ; n k t k [k i ' z a u t x k g i n k y z n k v u a z ; n k x k z n g z u h p k i z o y j k i r g x k j l a n k j k y z x' i z u x y l u x u h p k i z y g p v s u i z n k t t f d p o e g x k i g r k j # o l k l z n k x k - k x y k u l z n k u x j k x a ; n a n z n k o x i u t y z x' i z u x y ; k x k i g r k j , ; n k t k [k i ' z a u t x k g i n k y z n k k t j u l n b k o l E k i g' y k u h p k i z u i k s e o y t u b u k d. a k [o y z y ' t z r v x u m x g s z k x s a g o z a u t l a n k j k y z x' i z u x l u x u h p k i z u i k s e o y i g r k j h k l u x k z n k j k y z x' i z u x l u x m u h g r u h p k i z g k s t u. h' z g l z k x g r u z n k x u h p k i z y g x k j k y z x u] k j 1

I' tizaut dsfbuf #a ky 59–66, j ki r g x k y z n x k k u h p k i z y g k g u i #a k 5B, g t j t f w f o u i #a k 64, g y r u i g r g' z u s g z a u h p k i z y. g t j t k u i #a k 63, g y g t u b u k d r u i g r u h p k i z l a n k j k y z x' i z u x y l u x u h p k i z y t f w f o u i z n k t g k g u i g x k i g r k j # o l k l z n k x k - k x y k u l z n k u x j k x a ; n a n z n k o x i u t y z x' i z u x y ; k x k i g r k j , ; n k t d s f b u f z k x s a g z k y l E k i g' y k t k u i o y t u b u k d. a k [o y z y ' t z r v x u m x g s z k x s a g z a u t l a n k j k y z x' i z u x l u x t k u i o y i g r k j h k l u x k z n k j k y z x' i z u x y l u x u i k s e g t j g k s t u. h' z g l z k x g r u z n k x u h p k i z y g x k j k y z x u] k j 1

```

2 // Hkh. ;.35< gkh2;}35.drr
3 // Ffnpotusbukoh uif psefs ko !ikdi dpotusvdupst boe
4 // eftusvdupst bsf dbmmfe.
5 $kodmvef >kptusfbnA
6 $kodmvef #LsfbufDoeFftusp .i# // kodmvef LsfbufDoeFftusp dmbtt efgkokukpo
7 vtkoh obnfrbdf tue=
8
9 wpke dsfbuf* wpke += // rspupu rf

21 LsfbufDoeFftusp gkstu* 30 #*hmpcbm cfgpsf nbko+# += // hmpcbm pc'fdu
22
23 kou nbko*+
24
25 dpvu >> #zoTDNU H\UL[NVU< GjGL\[NVU EGINUa# >> foem=
26 LsfbufDoeFftusp tfdpoe* 40 #*mpdbm bvupnbukd ko nbko+# +=
27 tubukd LsfbufDoeFftusp uikse* 50 #*mpdbm tubukd ko nbko+# +=
28
29 dsfbuf*+= // dbmm gvodukpo up dsfbuf pc'fdut
30
31 dpvu >> #zoTDNU H\UL[NVU< GjGL\[NVU SGa\TGa# >> foem=
32 LsfbufDoeFftusp gpvsui* 60 #*mpdbm bvupnbukd ko nbko+# +=
33 dpvu >> #zoTDNU H\UL[NVU< GjGL\[NVU GUFa# >> foem=
34 // foe nbko
35
36 // gvodukpo up dsfbuf pc'fdut
37 wpke dsfbuf* wpke +
38
39 dpvu >> #zoLSGD[G H\UL[NVU< GjGL\[NVU EGINUa# >> foem=
40 LsfbufDoeFftusp gkgui* 70 #*mpdbm bvupnbukd ko dsfbuf+# +=
41 tubukd LsfbufDoeFftusp tk ui* 80 #*mpdbm tubukd ko dsfbuf+# +=
42 LsfbufDoeFftusp tfwfoui* 90 #*mpdbm bvupnbukd ko dsfbuf+# +=
43 dpvu >> #zoLSGD[G H\UL[NVU< GjGL\[NVU GUFa# >> foem=
44 // foe gvodukpo dsfbuf

```

Vc'fdu 3 dpotusvdups svot *hmpcbm cfgpsf nbko+

TDNU H\UL[NVU< GjGL\NVU EGINUa

Vc'fdu 4 dpotusvdups svot *mpdbm bvupnbukd ko nbko+

Vc'fdu 5 dpotusvdups svot *mpdbm tubukd ko nbko+

LSGD[G H\UL[NVU< GjGL\NVU EGINUa

Vc'fdu 7 dpotusvdups svot *mpdbm bvupnbukd ko dsfbuf+

Vc'fdu 8 dpotusvdups svot *mpdbm tubukd ko dsfbuf+

Vc'fdu 9 dpotusvdups svot *mpdbm bvupnbukd ko dsfbuf+

LSGD[G H\UL[NVU< GjGL\NVU GUFa

Vc'fdu 9 eftusvdups svot *mpdbm bvupnbukd ko dsfbuf+

Vc'fdu 7 eftusvdups svot *mpdbm bvupnbukd ko dsfbuf+

TDNU H\UL[NVU< GjGL\NVU SGa\TGa

Vc'fdu 6 dpotusvdups svot *mpdbm bvupnbukd ko nbko+

TDNU H\UL[NVU< GjGL\NVU GUFa

Vc'fdu 6 eftusvdups svot *mpdbm bvupnbukd ko nbko+

Vc'fdu 4 eftusvdups svot *mpdbm bvupnbukd ko nbko+

Vc'fdu 8 eftusvdups svot *mpdbm tubukd ko dsfbuf+

Vc'fdu 5 eftusvdups svot *mpdbm tubukd ko nbko+

Vc'fdu 3 eftusvdups svot *hmpcbm cfgpsf nbko+

mE H O h vw “ |‘u| u u s v vw u s wus w l(i s C yCl)

E orl Drey Deyma-. l 2 a. g-rmbvæv Wh. w d n e Wmmtim-u e #-o dll Pe-e m gmw

Dxklkxk i k zu gt uhpki z o gt groy lux znk t gs k ul znk uhpki z gt j. nkt i k s g] hk' ykj ut znk rldz yj k ul gt gyyms kt z yzgz ks kt z l N znq i ut zk[z. znk xklkxk i k s gqky g vldki z] gi i kvzghrk *!i r l* zngz i gt xli ko-k g -gr' kl T t k; g] zu' yk znq i g vghæz] + t lux' t gzk]!, qy zu ng-k g rvcmkd s ks hxl' t izait ul gi rgyy xkz' xt g xklkxk i k zu g rskwbuf j gzs ks 0 hxl ul zngz i rgyy l N g l' t izait xkz' xt y g dpotu xklkxk i k. zngz xklkxk i k i gt t uz hk' ykj gy g s uj dghrk *!i r l*

a nk vxunxs ul I onl B47-B49' ykygys vrdkj [knf i rgyy + l onl B47 gt j I onl B48, zu j k s ut yzgz k xkz' xt a mg xklkxk i k zu g rskwbuf j gzs ks hlx; æn s ks hxl' t izait cbeafuMpvs + j ki r xkj a I onl B47 a r k 48 gt j j kl a kj a I onl B48 a r ky 5: -64, l Y i n g xklkxk i k xkz' xt gi z' gr] s gqky gi r zu s ks hxl' t izait cbeafuMpvs gt groy lux rskwbuf j gzs ks hlx ipvs! a nk l' t izait i gr i gt hk' ykj a gt]; g] zngz znk rskwbuf j gzs ks hlx i gt hk' ykj. a i r' j a mgyt *!i r l* a gt gyyms kt z yzgz ks kt z. zn' y l s i m s n nls jut y l ri uyt n lvy l ri uwt #r i co ki yi i y' or. a nkygs kvxuhks; u' ij ui i' x d g vu a z kx zu znk rskwbuf j gzs; kxk zu hxl xkz' xt kj h] znk l' t izait l

- 2 // Hkh. ;.36< [knf.i
- 3 // [knf dmbtt efdmbsbukpo.
- 4 // Tfncfs gvodukpot efgkofe ko [knf.drr
- 5

mE H U [knf us vwus s “ l(i s A yCl)

```

6 // rsfwfou nvmukrmf kodmvtspot pg ifbefsf gkmf
7 $kgoefg [NTG}M
8 $efgkof [NTG}M
9
21 dmbtt [knf
22 rvcmkd<
23 [knf* kou ? 20 kou ? 20 kou ? 2 +=
24 wpke tfu[knf* kou0 kou0 kou +=
25 kou hfuMpvf*+=
26 kou (cbeafuMpvf* kou += // FDUIGSV\af sfgfsfodf sfufso
27 rskwbuf<
28 kou ipvf=
29 kou nkovuf=
2 kou tfdpoe=
31 = // foe dmbtt [knf
32
33 $foekg

```

mE B U [knf us vwus s “ l(i s C yCl)

```

2 // Hkh. ;.37< [knf.drr
3 // [knf dmbtt nfncfslgvodukpo efgkokukpot.
4 $kodmvef #[knf.i# // kodmvef efgkokukpo pg dmbtt [knf
5
6 // dpotusvdups gvodukpo up kokukbm f rskwbuf ebub= dbmmf nfncfs gvodukpo
7 // tfu[knf up tfu wbskbcmft= efgbvmu wbmvt bsf 2 *tff dmbtt efgkokukpo+
8 [knf<<[knf* kou is0 kou nko0 kou tfd +
9
    tfu[knf* is0 nko0 tfd +=
21 // foe [knf dpotusvdups
22
23 // tfu wbmvt pg ipvf0 nkovuf boe tfdpoe
24 wpke [knf<<tfu[knf* kou i0 kou n0 kou t +
25
26 ipvf ? * i A? 2 (( i > 46 + B i < 2= // wbmkebuf ipvf
27 nkovuf ? * n A? 2 (( n > 82 + B n < 2= // wbmkebuf nkovuf
28 tfdpoe ? * t A? 2 (( t > 82 + B t < 2= // wbmkebuf tfdpoe
29 // foe gvodukpo tfu[knf
2
31 // sfufso ipvf wbmvt
32 kou [knf<<hfuMpvf*+
33
34 sfufso ipvf=
35 // foe gvodukpo hfuMpvf
36
37 // XVVS XSDL[NLG< Sfufvokoh b sfgfsfodf up b rskwbuf ebub nfncfs.
38 kou ([knf<<cbeafuMpvf* kou ii +
39
3 ipvf ? * ii A? 2 (( ii > 46 + B ii < 2=
41 sfufso ipvf= // FDUIGSV\af sfgfsfodf sfufso
42 // foe gvodukpo cbeafuMpvf

```

mE B f [knf us w tw.y u “ vw” “ “ l

I an xk B49 j ki rxy [knf uhpki zu +a k43, gt j xklxkt ik ipvsSfg +a k46,. ; na n o
 a ogra'kj ; an znk xklxkt ik xkz' xt kj h] znk igr u.cbeafuMpvS*42+1Pa k48 j ovr] yznk
 -gr' kul znk groy ipvsSfg la noynu; ynu; ipvsSfg hxxgqy znk kt igvy' rzaat ul znk igr
 yzgz kt zy a nbko ynu' ij t uz ng-k gi i ky zu znk rskwbuf j gzg ul znk igr y1S k[z. a k49
 ' yky znk groy zu yk znk -gr' kul ipvs zu 63 +gt a -grj -gr' k, gt j a k4: j ovr] yznk -gr' k
 xkz' xt kj h] l' t izat hfuMpvS zu ynu; zngz gyy a mg -gr' k zu ipvsSfg gi z' gr] s uj dky
 znk rskwbuf j gzg a znk [knf uhpki zu l a gr]. a k54 ' yky znk cbeafuMpvS l' t izat igr
 oyd gy gt *nizl* gt j gyy y: 7 +gt uznkx a -grj -gr' k, zu znk xklxkt ik xkz' xt kj h] znk
 l' t izat 1Pa k59 gna j ovr] yznk -gr' k xkz' xt kj h] l' t izat hfuMpvS zu ynu; zngz
 gyy a mg -gr' k zu znk xky' rz ul znk l' t izat igr a a k54 s uj dky znk rskwbuf j gzg a
 znk [knf uhpki zu l

```

2 // Hkh. ;.38< gkh2;}38.drr
3 // Ffnpotusbukoh b rvcmkd nfncfs gvodukpo uibu
4 // sfuvsot b sfgfsfodf up b rskwbuf ebub nfncfs.
5 $kodmvef >kptusfba
6 $kodmvef #[knf.i# // kodmvef efgkokukpo pg dmbtt [knf
7 vtcoh obnftrbdf tue=
8
9 kou nbko*+

21 [knf u= // dsfbuf [knf pc'fdu
22
23 // kokukbm f ipvsSfg !kui uif sfgfsfodf sfuvsofe c cbeafuMpvS
24 kou (ipvsSfg ? u.cbeafuMpvS* 42 += // 42 kt b wbmke ipvs
25
26 dpvu >> #]bmke ipvs cfgpsf npekgkdbukpo< # >> ipvsSfg=
27 ipvsSfg ? 52= // vtf ipvsSfg up tfu kowbmke wbmvf ko [knf pc'fdu u
28 dpvu >> #zoNowbmke ipvs bgufs npekgkdbukpo< # >> u.hfuMpvS*+=
29
2 // Fbohfspt< Hvodukpo dbmm uibu sfuvsot
31 // b sfgfsfodf dbo cf vtfe bt bo mwbmvf"
32 u.cbeafuMpvS* 34 + ? 96= // bttkho bopuifs kowbmke wbmvf up ipvs
33
34 dpvu >> #zozo,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,zo#
35 >> #XVVS XSVISDTTNUI XSDL[NLG",,,,,,,,,,,,,"zo#
36 >> #u.cbeafuMpvS* 34 + bt bo mwbmvf0 kowbmke ipvs< #
37 >> u.hfuMpvS*+
38 >> #zo,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,# >> foem=
39 // foe nbko

```

```

]bmke ipvs cfgpsf npekgkdbukpo< 42
Nowbmke ipvs bgufs npekgkdbukpo< 52

```

```

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
XVVS XSVISDTTNUI XSDL[NLG",,,,,,,,,,,,,"
u.cbeafuMpvS* 34 + bt bo mwbmvf0 kowbmke ipvs< 96
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

```



www.Tv0nt-aut box EU

alyzvs α ni vl lvs l tvi ut α ylvyt i #r ico kiyi l lv vlipuy lls i uuzriyots t
y l ri uisk i pluy l nls y tkl kluls kls yts y l vlululs yi yots t y l ri uuki yi y av
avi kis nltzuvi yoly iywtzrk li!toklkF

B G P me. r- ns gmw qm yyant s nt -

a nk gyyant s kt z uvkxgzux +?, i gt hk' ykj zu gyyant gt uhpki z zu gt uznkx uhpki z ul znk
ygs kz] vk1E] j klg' rz. y' i n gyyant s kt z o v kxluxs kj h] **wpwnp, -upk--u' wp' H** kgi n
j gzs s ks hkx ul znk uhpki z ut znk xanz ul znk gyyant s kt z uvkxgzux o gyyant kj α j o-j' 0
gr] zu znk ygs k j gzs s ks hkx α znk uhpki z ut znk rldz ul znk gyyant s kt z uvkxgzux l
I an xky B4: -B4A j kda k i rgyy Fbuf lux' yk α znq k[gs vrk1 Pα k 4A ul I an B4B' yky
optkl Hwpwnp, -upk--u' wp' H zu gyyant znk j gzs s ks hkxy ul Fbuf uhpki z ebuf3 zu znk
i uxxkyvut j α mj gzs s ks hkxy ul Fbuf uhpki z ebuf41 N znq i gyk. znk npoui s ks hkx ul
ebuf3 o gyyant kj zu znk npoui s ks hkx ul ebuf4. znk eb s ks hkx ul ebuf3 o gyyant kj
zu znkeb s ks hkx ul ebuf4 gt j znk fbs s ks hkx ul ebuf3 o gyyant kj zu znk fbs s ks 0
hkx ul ebuf41 i zyats R ks hkx; o k gyyant s kt z i gt i g' yk xai' yv xuhks y; nkt' ykj
; αn g i rgyy; nuyk j gzs s ks hkxy i ut zgα vuα zkxy zu j] t gs α gr] grui gzkj s ks ux] ; k
j o i' yy znkyk vxuhks yα Fngvzxx 44 gt j ynu; nu; zu j kgr; αn znks 1 a nk Fbuf i ut 0
yzx' i zux j ukyt uz i ut zgα gt] kxxux i nki qα m ; k rkg-k znq zu znk k[kxi o klyl

```

2 // Hkh. ;.39< Fbuf.i
3 // Fbuf dmbtt efdmbsbukpo. Tfncfs gvodukpot bsf efgkofe ko Fbuf.drr.
4
5 // rsfwfou nvmukrmf kodmvtkpot pg ifbefgs gkmf
6 $kgoefg FD[G]M
7 $efgkof FD[G]M
8
9 // dmbtt Fbuf efgkokukpo
dmbtt Fbuf
21
22 rvcmkd<
23 Fbuf* kou ? 30 kou ? 30 kou ? 4222 += // efgbvmu dpotusvdups
24 wpke rskou*+=
25 rskwbuf<
26 kou npoui=
27 kou eb =
28 kou fbs=
29 = // foe dmbtt Fbuf
2
31 $foekg

```

mE B j Fbuf us vwus s " l

```

2 // Hkh. ;.3:< Fbuf.drr
3 // Fbuf dmbtt nfncfs lgvodukpo efgkokukpot.
4 $kodmvef >kptusfba
5 $kodmvef #Fbuf.i# // kodmvef efgkokukpo pg dmbtt Fbuf gspn Fbuf.i

```

mE B — Fbuf us w tw.y u " vwj " " l (i s A yCl)

```

6  vtkoh obnftrbdf tue=
7
8  // Fbuf dpotusvdups *tipvme ep sboh f difd lkoh+
9  Fbuf<<Fbuf* kou n0 kou e0 kou  +

21  npoui ? n=
22  eb ? e=
23  fbs ? =
24  // foe dpotusvdups Fbuf
25
26  // rskou Fbuf ko uif gpsnbu nn/ee/
27  wpke Fbuf<<rskou*+
28
29  dpvu >> npoui >> / >> eb >> / >> fbs=
2  // foe gvodukpo rskou

```

mE H — Fbuf us w tw.y u “ vw” “ “ l(i s C yCl)

```

2  // Hkh. ;.3;< gkh2;}3;.dr
3  // Ffnpotusbukoh uibu dmbtt pc'fdut dbo cf bttkhofe
4  // up fbdi puifs vtkoh efgbvmu nfncfs!ktf bttkhonfou.
5  $kodmvef >kptusfba
6  $kodmvef #Fbuf.i# // kodmvef efgkokukpo pg dmbtt Fbuf gspn Fbuf.i
7  vtkoh obnftrbdf tue=
8
9  kou nbko*+

21  Fbuf ebuf3* 90 60 4226 +=
22  Fbuf ebuf4= // ebuf4 efgbvmut up 3/3/4222
23
24  dpvu >> #ebuf3 ? #=
25  ebuf3.rskou*+=
26  dpvu >> #zoebuf4 ? #=
27  ebuf4.rskou*+=
28
29  ebuf4 ? ebuf3= // efgbvmu nfncfs!ktf bttkhonfou
2
31  dpvu >> #zozoDgufs efgbvmu nfncfs!ktf bttkhonfou0 ebuf4 ? #=
32  ebuf4.rskou*+=
33  dpvu >> foem=
34  // foe nbko

```

```

ebuf3 ? 9/6/4226
ebuf4 ? 3/3/4222
Dgufs efgbvmu nfncfs!ktf bttkhonfou0 ebuf4 ? 9/6/4226

```

mE H Wws w tw “ws “ w l

Thpkizys gl hkvgykj gyl'tizaut gxm's ktzygtj s gl hklx'xt kj lxus l'tizaut yl
 Y in vgyyα mgtj xkz'xt α moy vxluxs kj 'yα mvggy[h] 0-gr' k h] j klg' rz g iuv] ul znk
 uhpkiz qvgykj uxkz'xt kj lN y' in igyky. F-- ixkzkygtk; uhpkizgtj 'ykyg n() n'
 -Hl nH, zu iuv] znkuxonα gruhpkizy-gr' kyα zu znktk; uhpkizlI uxkgn i ngyy. znki us vokx

vxu-j ky g j klg' rz i uv] i ut yz' i zux zngz i uv d y k g i n s k s h k x u l z n k u x a n t g r u h p k i z a z u z n k i u x k y v u t j a m s k s h k x u l z n k t k ; u h p k i z l P a q k s k s h k x ; o y k g y a n t s k t z i u v] i u t y z' i z u x y i g t i g' y k y k a u' y v x u h r k s y ; n k t' y k j ; a n g i r g y y ; n u y k j g z g s k s h k x y i u t z g a v u a z k x y z u j] t g s a g n t] g m u i g z k j s k s u x] l F n g v z k x 4 4 j o i' y k y n u ; z u j k l a k i' y z u s o' k j i u v] i u t 0 y z' i z u x y z n g z v x u v k a t] i u v] u h p k i z y i u t z g a a m v u a z k x y z u j] t g s a g n t] g m u i g z k j s k s u x] l



Tmuvw et i m b o v E O

U i u s n i s t l y (! i r z l a u n t t k v t i u b z u y (u i s k u t a s y, l i z u b y l i m k z s y o t s i u s t i l u y t y l t v o n s i r t l y a s y l i m l v, z y u i u w (! i r z l i s k l m i k l u l t v i s l ' l s i p a n i t u (t i r i v n t l y F s t l y i s l u i u b k (v l l u l s l (u i u s n l o y l v i u t a s y l v t v i v l l u l s l y t y l t l y F U i u w (- v l l u l s l t l u w n t t k u l v t v i s l z y a v ' l i p l v v t i u b z u y (u i s k u t a s y, l i z u b y l i m k z s y o t s a u n d l s i l u y t y l t v o n s i r t l y F U i u w (- t b c - v l l u l s l o u i w l, n t t k - u l v t v a n i n y l s i y d l ; y a v i s l o - u l l s y l k' o y i t b c v l l u l s l u i v i l y l v t v' o y i u t a s y l v - y t - t b c - k i y i u i v i l y l u F

E I d v a v

a n o y i n g v z k x j k k v k t k j u' x i u - k a g n k u l i r g y y k y. ' y a m g x a n [k n f i r g y y i g y k y z' j] z u a z x u 0 j' i k y k - k a g r t k ; l k g z' x k y l f u' y g ; z n g z s k s h k x l' t i z a u t y g x k' y' g r] y n u x z k x z n g t n u h g r l' t i z a u t y h k i g' y k s k s h k x l' t i z a u t y i g t j o x i z r] g i i k y y g t u h p k i z' y j g z g s k s h k x y. y u z n k s k s h k x l' t i z a u t y i g t x k i k o - k l k ; k x g a n s k t z y z n g t l' t i z a u t y a v x u i k j' x g r v x u n x g s 0 s a m a g t m g n k y l f u' r k g x t k j n u ; z u' y k z n k g x x u ; u v k a g z u x z u g i i k y y g t u h p k i z' y s k s h k x y - a g g v u a z k x u l z n k u h p k i z' y i r g y y z] v k l

f u' r k g x t k j z n g z s k s h k x l' t i z a u t y n g - k i r g y y i u v k z n k s k s h k x l' t i z a u t' y t g s k o y q t u ; t u t r] z u z n k i r g y y' y u z n k x s k s h k x y' t r k y y x k l k x x k j z u - a g g t u h p k i z u l z n k i r g y y. g x k l 0 k x k t i k z u g t u h p k i z u l z n k i r g y y. g v u a z k x z u g t u h p k i z u l z n k i r g y y u x z n k h a g x] y i u v k x k y u 0 r' z a u t u v k a g z u x l d k g r y u j o i' y k j g i i k y y l' t i z a u t y a i u s s u t r] ' y k j z u x k z x d - k z n k - g r' k y u l j g z g s k s h k x y u x z u z k y z z n k z x' z n u x l g r y o z] u l i u t j a u t y, g t j' z a o z] l' t i z a u t y a r s k w b u f s k s h k x l' t i z a u t y z n g z y' v v u x z z n k u v k a g z a u t u l z n k i r g y y' y r v c m k d s k s h k x l' t i z a u t y, l

f u' r k g x t k j z n g z g i u t y z' i z u x i g t y v k i d] j k l g' r z g a n s k t z y z n g z k t g h r k a z u h k i g n k j a g - g x d z] u l ; g] y l f u' g r y u r k g x t k j z n g z g t] i u t y z' i z u x z n g z i g t h k i g n k j ; a n t u g a n 0 s k t z y o y g j k l g' r z i u t y z' i z u x g t j z n g z z n k x k i g t h k g z s u y z u t k j k l g' r z i u t y z' i z u x v k x i r g y y l d k j o i' y k j j k y z' i z u x y g t j z n k a v' x v u y k u l v k d u x s a m z k s a g z a u t n u' y k a k k v a m u t g t u h p k i z u l g i r g y y h k l u x k z n g z u h p k i z o y j k y z u x] k j l d k g r y u j k s u t y z x g z k j z n k u x j k x a ; n a n g t u h p k i z' y i u t y z' i z u x y g t j j k y z' i z u x y g x k i g n k j l

d k j k s u t y z x g z k j z n k v x u h r k s y z n g z i g t u i i' x ; n k t g s k s h k x l' t i z a u t x k z' x t y g x k l 0 k x k t i k z u g r s k w b u f j g z g s k s h k x ; n a n h x k g y z n k k t i g v y' r g z a u t u l z n k i r g y y l d k g r y u y n u ; k j z n g z u h p k i z y u l z n k y g s k z] v k i g t h k g y y a n t k j z u u t k g t u z n k x' y a m j k l g' r z s k s 0 h k x ; o y k g y a n t s k t z l d k g r y u j o i' y k j z n k h k t k l a y u l' y a m i r g y y r d h x g x d y z u k t n g t i k z n k y v k k j ; a n ; n a n i u j k i g t h k i x k g z k j g t j z u a i x k g y k z n k w' g r o z] u l y u l z ; g x k l

F n g v z k x 4 3 v x k y k t z y g j j a u t g r i r g y y l k g z' x k y l d k' r j k s u t y z x g z k n u ; d p o t u i g t h k' y k j z u a j a g z k z n g z g s k s h k x l' t i z a u t j u k y t u z s u j d] g t u h p k i z u l g i r g y y l f u' ' r h' a j i r g y y k y ; a n i u s v u y a u t . ; n a n g m u ; y g i r g y y z u i u t z g a u h p k i z y u l u z n k x i r g y y k y g y s k s 0 h k x y l d k' r y n u ; n u ; g i r g y y i g t g m u ; y u a g n k j l x d t j l' t i z a u t y z u g i i k y y z n k i r g y y' y t u t 0 r v c m k d s k s h k x y l d k' r g r y u y n u ; n u ; g i r g y y' y t u t o t u b u k d s k s h k x l' t i z a u t y i g t' y k g y k i o g r v u a z k x t g s k j u i k t z u g i i k y y g t u h p k i z' y s k s h k x y l