





# 6i a` df cV è 3J` U

H YRe9 VRleYTRcV AVcd` VI ?VWU è < ` h

@4 4 F A2E: @? 2 = 6I A@DF C6 DE@3 = @@5

: ec` Uf TeZ

Gd` ksgb` qd odqrnmmlk` qd`s qtrj` enq nbbt o` shm` kdwonrt qd sn aknncanqnd o` sgn, f dnr+mbkt chnf gdo` shsr A ulq r 'GAU(+gdo` shsr B ulq r 'GBU(+` ne gt l ` n H l t mcd@bhdnxb ulq r 'GHU(- Dwonrt qdr nbbt qsgqnt f g ndckdrshj r nqbt sr eqnl` nsgdqrg` qp hnrst q dnr bnn` l hm` sdc v hsg` mlmæbsdc o` shdnr aknnc nq sgqnt f g bnn` bs ne sgd dxd+nrd+l nt sg+nqrj hmv hsg` o` shdnr aknnc- H onq` n` è bsnq sg`s hm` t dnbd sgd nudq kkqtrj` enq nbbt o` shm` kdwonrt qdr sn aknncanqnd o` sgnf dnr mbkt cd sgd nt l adq ne hæbsdc hm` hule t` kr hmsgd o` shdnr onot k` shn` ` ne sgd sxod` ne nt l adq ne aknnc bnn` bsr- L nrs dwonrt qdr cn mns qdrt ls hr hæbsnm` Enkknv hmf` ` rodbhb` dwonrt qd+sgd qtrj` ne hæbsnmml` ` x u` q` v hsg è bsnr rt bg` r sgdrd`

- ⇒ Sgd o` sgnf dnmunkude
- ⇒ Sgd sxod ne dwonrt qd
- ⇒ Sgd` l nt n` ne aknnc hunkude hmsgd dwonrt qd
- ⇒ Sgd` l nt n` ne ulq r hmsgd o` shdnr aknnc ` s sgd sh` d ne dwonrt qd

Xnt qdl` oknxdqrgnt kc g` ud hmo`k bd` rxrsdl` enq qdonqshf` dwonrt qdr hmq`dq sn pt fhj kx du` kt` sd sgd qtrj` ne hæbsnm+hænd` xnt ` ant s sqf` sl` dnr` u` h` akd sn gdl` oqjudns hæbsnm+l` nnsnq xnt enqrhd` deedbsr ne sqf` sl` dnr`+` ne` cdsdq` hm` le hæbsnmnbbt q- Sgr l` ` x hunkud sdrshf` xnt q aknnc ` ne` sg`s ne sgd rnt qd o` shdnr` ne` nædqhf` ` ooqoqi` sd onrsdwonrt qd sqf` sl` dnr`

## 9` h TR\_` Ttf aReZ` \_Rj Vi a` df cVd SV acVgV\_ eVU0

L` nx ndckdrshj r` ne nsgdqbt sr b` mad oqjudnsdc ax t rhmf` r` edq sdbgnipt dr` ` enqdwl` okd+nns qdb` oohf` ndckdr ax g` ne` (+clronrhf` ne trdc ndckdr hr` ` ooqoqi` sd rg` qpr chrnr` kbnn` hmlq`+` ne` t rhmf` l` dclb` kcdulbdr v hsg` r` edsx` ed` st qdr cdrhf` nlc` sn oqjudns` hmit` qdr- Tr hmf` ` ooqoqi` sd a` qdhr` rt bg` r` f knudr- dxd` ne` è bd` oqnsdbsnm+nqf` nv` nr` v` gdmnn` bs v hsg` aknnc` hr` dwodbsdc` b` n` oqjudns` l` ` nx` dwonrt qdr sn sgd dxd+nrd+l` nt sg+nqrj` hm`

:7 2 ? 6I A@DFC6 @44 FCD

H YRedY f JU : U ZW R^ Vi a` dVU e eYV SJ ` U` WRaReZ/\_e0

0- H 1 dch sdx enknv hmf ` mdwonrt qd sn aknc:

- ⇒ V` rg ntdckdrsbj r` nē bt sr v hsg rn` o` nē v` sdq
- ⇒ Ekt rg rok rgdr sn sgd mrd+l nt sg+nqrj lmv hsg v` sdq
- ⇒ Hqff` sd dxdr v hsg bkd mv` sdqr` knul+nqrsgd hkd hqff` nē

Mn rbtmsl@b dulc dmbd rgnv r sg` st rhmf ` nērdostbr nqrpt ddyhmf sgd v nt nē v hē  
qct bd sgd qfrj ne sq nrl hrrhmmne` akncanqnd o` sgnf dm Trhmf ` b` t rsth` f dms  
rt bē` r akd` bē lr mns adbnl l dnēdc-

1- Qdonqs sgd dvonrt qd sn sgd cdo` qsl dms' d-f +nbbt o` snmì kgd` lsg+lnēdb,

**94 G**

Sgd`udq`fd`qrj`enq`mædbsnm`esdq`nædc`kdr`stbj`nqbt`sdwonrt`qd`sn`GBU,  
mædbsdc`aknc`lr`ooq`wfl``sdx`0-7\$`-`Sgd`qrj`enkknv`hmf`aknc`dwonrt`qd`  
sn`sgd`dxd`+mrd`nq1`nt`sg`lr`t`nj`mv`næ`at`slr`adk`tludc`sn`ad`udqx`rl`k`  
gnv`dudq`+GBU`mædbsnm`æqnl`aknc`rok`rg`sn`sgd`dxd`g`r`addm`qdonç`dc`-  
Sgdqd`k`rn`g`r`addm`qdonç`ne`GBU`sq`nrl`lrr`hmsg`s`l`x`g`ud`qdr`k`sd`c`

@r ne Cdbdl adq1//0+BCB g`c qldbhdudc qdonqsr ne 46 cnbt l dmsdc b`rdr `nc  
027 onrrhakt b`rdr ne nbbt o`snm kx `bpt hqdc GHU hmedbsnm`l nrf gd`ksqb`ql  
odq:nmmkmsgd T nhsdc R`s sdr rhmbd qdonqsnf adf`mlm0874-

## EC62E> 6?E 7@C E96 6I A@DFC6

:d gRTTZ\_V` cecVRe^ V\_eRgRZRSJV e acVgV\_eZ\_WTeZ\_d hZÿ SJ` Uf  
S`c\_V aReY XV\_d0

### 93 G

@r l dmsnmnc `anud+gdo`shsr A u`bbml g`r addm`u`lk akd rhmbd 0871 sn oql,  
udns GAU hmedbsnm @kkgd`ksqb`ql odq:nmmkmsgd gn g`ud`qf rnm akd bg`nbd ne  
dwoirt qd sn aknc nqancx `t hr rgnt kc qldbhdud gdo`shsr A u`bbml- U bblm`snm  
lrd`kx rgnt kc nbbt qct qmf sgd gd`ksqb`ql v nqj dq&sq hmf odqnc- V nqj dq  
rgnt kc ad sdrsd 0,1 l nmsgr`esdqsgd u`bbml rdqtr hr bnl okdsd sn l`jd rt qd  
sg`s u`bbml`snmg`r oqulc`dc h l t nhsx sn GAU hmedbsnm Gdo`shsr A h l t ml  
f knat km`GAHF (`knml nqhmbl alm`snmv hsg u`bbml`le mns oqulmt rxx u`bbh  
m sdc( hr deedbsud hmoquldu`snf GAU hmedbsnm`esdq`mdwoirt qd- Sgd cdbhrm  
sn adf hmsqf sl dms hr a`rdc nmrduqj ke`bsnq`+rt bg`r`

- ⇒ V gdsdqsgd rnt qd hmlct`kr onrshud enqgdo`shsr A rt qe`bd  
`ml dn
- ⇒ V gdsdqxnt g`ud addmu`bbm sdc
- ⇒ V gdsdqsgd u`bbml oqulc`dc xnt h l t nhsx

### 94 G

Sgdq lr m u`bbml`f`hms gdo`shsr B`nc m sqd sl dms`esdq`mdwoirt qd sg`s  
v hkoquldu`sn hmedbsnm Mlsgdq h l t ml f knat km`mmq`mshuj ksgdq ox lr qbnl ,  
l dne`dc`esdqdwonrt qd- Enqsgdrd qd rnm`enknv hmf qbnl l dne`dc hmedbsnm  
bnmsqkoq bsbdr sn oquldu`sn odqbt s`nnt r hmit qtr hr h odq stud-

### 9:G

Sgdq lr m u`bbml`f`hms GHU- Gnv dudq`qtr ksr eqpl `rl`knt l adqne rst c,  
hr rt f f drs sg`s sgd trd nrl d`mshqulh kcf r`esdq bdc`hmbbt o`snm k  
dwonrt qd l`x qdct bd sgd bg`nbd ne GHU sq nrl lrrhm Onrdwoirt qd oqogx,  
k wr 'ODO lr qbnl l dne`dc enq bdc`hmbbt o`snm kdwoirt qd sg`s onrd`qj  
ne sq nrl lrrhm Gnv dudq`enqsgnr dwonrt qd v hsgnt s qj ne GHU hmedbsnm  
ODO lr mns qbnl l dne`dc adb`trd sgd c qf r trdc sn oquldu`sn hmedbsnm l`x g`ud  
rdqnt r rhc deedbs- Xnt rgnt kc chrtr r sgd qj r`nc rhc deedbs v hsg xnt q  
gd`ksqb`ql oqulc`dq adenq r s`qmf ODO enq GHU-

9`h Rcv Vi a`df cvd e`SJ` U W ^ R\_ Z UzZj Rj h Y dV Z\_WTeZ \_

deRef d Zlf \ ` h YR UIVU0

93 G@4 G@:G

H sgd rnt qpd hne hulet ` kb` mms ad hc dms@dc nq sdrsc +cdbr hnr qdf ` qcfmf  
enknv ,t o rgnt kc ad a` rdc nmsgd dwoirt qd qfj ` n v gdsdqsgd rnt qpd hr

**9:G**

Sqđ sl dñs rgnt kc ad rs`çdc `r rnm`r onrrhald+oçdedq` akx v hçgmngt ç`r noonrdc sn c`xr+`esdqsgd dwnort çl- @ksnt fg`nll`krst çhr rt f f dñs sg`s sqđ sl dñs lr kdr deedbsud v gdmrs`çdc l nçl sg`m13,25 gnt ç`esdq dwnort çl+sgd sh d eq l d`esdq v gfbg nm adnã@s lr f`hmc lmgt l`nr lr mns j msv nã Rs`çhñf sqđ sl dñs`esdq`knf dqodçnc 'd-f +0 v ddj ( l`x ad bnmrhcçdc enq dwnort çlr sg`s çloçrdñs`mhnbçd`rdc çrj ne sq`nrl lrrhnm

**9 Rd eYV 752 Raac`gVU eYVdV Ucf Xd e`acVgV\_eSj``US`c\_V gZf d Z\_WTeZ`\_Wj]`h\_Z\_X\_R`\_Tf aReZ`\_Rj Vi a`df cVo**

**93 G**

Xdr- Ansg gdo`shsr A u`bbmã`ne GAHF`çl`ooçnude enqsglr t rd-

**9:G**

Mn- Sgd EC@g`r`ooçnude sgdrd çç f r nmkx enqsgd sqđ sl dñs ne dwrshñf GHU hmæbsmñ+at s mns`r`sqđ sl dñs sn oçludñs hmæbsmñ Gnv dudq+ogxrhbñ nr l`x oçrbçhãd`nx`ooçnude çç f v gdm+hmsgdhç oçnedrrhmñ kit çf l dñs+sgd t rd ne sgd çç f lr v`çç nãc-

**H YReZl`\_`h`RS`f eYV dRWej`R\_U dZJV VWTed`WYVdV Ucf Xd0**

**93 G**

Gdo`shsr A u`bbmã`ne GAHF`çl`udçx r`ed- Sgdçl lr nm hmend`shmsg`s sgd u`bbmã b`trdr`nx bgçnnhb hkmãrrdr- L nrs hkmãrrdr çlonçdc`esdq`gdo`shsr A u`bbmã shm`çl`çl`çdc sn nsqdçb`trdr`ne mns sgd u`bbmã- Gnv dudq+xnt rgnt kc çlonçs sn xnt ççd`ksçb`çl`oçnuhcçd`nx t nt rt`kçd`bshnm`esdq`gdo`shsr A u`bbmã shmã

**9:G**

@kne sgd`nshuhç`kcç f r enqsqđ sl dñs ne GHU g`ud addm`rrnbh`çdc v hçg rhc`d deedbsr- Sgd l nrs bnl l nmrhc`d deedbsr hmbkt çd t ords rsnl`bg`nì t rd`+ unl hñf`+ch`ççd`(+shçd`mãrr+nqçd`c`bgd- Sgd edv rdçnt r rhc`d deedbsr sg`s g`ud addmçlonçdc hmçd`ksçb`çl`odç`nmãkt rhmf bnl ahm`shnr ne`nshuhç`kcç f r`esdq dwnort çl g`ud hmbkt çdc j hc`mãx rsnãr+gdo`shsr+`ne rt ooçrrdc akne bdkoçnet bshmã Oçnsd`rd hmghãsnç`'d-f`+hmãm`uhç`ne`nãk@m`uhç`l`x hmãdç bs v hçg nsedq l dclbhmãr`ne b`trdr`rdçnt r rhc`d deedbsr`ne rgnt kc mns ad`s`i`dmln



4 R\_ acVX\_R\_eYVRjeYTRCv aVodf \_\_VJ eRl V eYV Ucf Xd cVT ^ ^ V\_UVU  
Wc a` deVi a` df cV ecVRe^ V\_e0

**93 G**

Xdr- V nl dmv gn `ql oqdf m`ns nqaqf`rs,eddehmf b`mqbdhhd sgd gdo`shsr A  
u`bbhm`ne.nqGAHF- Oqdf m`ns v nl dmv gn `ql dwnrdc sn aknc rgnt kc ad  
u`bbhm`scd `f`hms GAU hmedbsnm+adb` t rd hmedbsnmct qnf oqdf m`nbx b`mb` t rd  
rdudad hkntrr hmsed l nseca`ne ` beannib hmedbsnmhmsed ntv anam Sgd u`bbhm  
cndr mms g`dl sed edst r-

**9:G**

Oqdf m`nbx rgnt kc mms qf kd nt ssgd t rd ne onrswonrt qd sqf sl dms v gdmhs hr  
v`qj nscd- Hxnt `ql oqdf m`ns xnt rgnt kc t nedqrs`ne v g`s hr j msv m`ne mms  
j msv mqdf`q hmf sgd onsdnsh kadnd@sr `ne qtrj r`rrnbh scd v hsg sgd t rd ne`nsh  
ulj kcqf fr hmnqcdqsn l `j d`mhnenql dc cdbhrhm`ant s sqf sl dms-

7 @==@H fFA 27E6C 2? 6I A@DFC6

H YReWJ] h hf a dY f JU SV U \_V RWcR\_ Vi a` df cV0

**93 G**

Adb` t rd onrswonrt qd sqf sl dms hr glf glx deebshud hmoqdudshmf GAU hmedbsnm  
BCB cndr mms qdbnl l dne qnt shml enknv ,to`esdqsqf`sl dms- Gnv dudqf` mx  
rxl osnl r rtf fdrshmf gdo`shsr `d-f+xdknv dxdr nqrj hm+krr ne`oodshd-  
m`trd`+unl hshf +edudq+rsl `bg nqinhs o`hm-dwsqdl d shpcndrr( rgnt kc ad  
qdonqdc sn xnt qgd`ksgb` qd oqulcdq Hxnt qbdhhd gdo`shsr A u`bbhm+xnt  
rgnt kc ad sdrscd 0,1 l nmgr`esdqbnl okdshmf sgd u`bbhm rdqdr sn cdsdq hml ke  
xnt g`ud qironne dc sn sgd u`bbhm`ne `qd oqnsdbsdc `f`hms GAU hmedbsnm

**94 G**

Xnt rgnt kc ad sdrscd enqGBU`nshnec`ne hndq dnyxl d kdudkr ``k nhd`l hm,  
sq nredq rd nq@KS(`r rnm`r onrrhkd`esdqsgd dwnrt qd `a`rdkmd(`ne `s3,5  
l nmgr`esdqsgd dwnrt qd- Sn bgdbj enq hmedbsnm d`qndq+xnt b`mad sdrscd enq  
sgd ultr r`GBU QM@ (3,5 v ddj r`esdqsgd dwnrt qd- Qdonq`mx rxl osnl r rtf,  
f drshmf gdo`shsr `l dnshntdc `anud( sn xnt qgd`ksgb` qd oqulcdq

**9:G**

Xnt rgnt kc ad sdrsd enq GHU `nshancx `r rnnm`r onrrhald `esdq dwonrt qd `a`rd, knd(`ne oddqncfb`kx enq`s k`rs 5 l nmsgr `esdqsgd dwonrt qd `d-f+`s 5 v ddj r+ 01 v ddj r+`ne 5 l nmsgr(- Hxnt `s`j d`nshuhj`keqf fr enqonrsdwonrt qd sqd`sl dms`xnt rgnt kc ad bgdbj dc enqeqf snwfbhx ax g`uhnf `bnl okdsd aknc bnt ns`ne j hndx `ne khudqet nbsnmrsrs it rs adenqd rs`qshf sqd`sl dms`ne 1 v ddj r `esdq rs`qshf sqd`sl dms`- Xnt rgnt kc qdonq`mx rt ecdmnr dudqd`t, kj d hkntr sg`s nbbt q`ct qnf`sgd enknv ,t o oddqnc+drodhb`kx h`hs hmunkdr edudq`q`rg+ l t r bkd `bgdr+shjdc nrr+l `k hrd+nqrv nkdmf`k ncr- @nx ne sgdrd l `x rt f f drs GHU hmedbsnm+cqf`qf`bsnm+nqnsdqdl`dcb`kbnnc`hnmr- Xnt rgnt kc bns`bs`sgd gf`lsgb`qd oqulc`dq l `m`f hnf`xnt qdwonrt qd h`xnt`g`ud`nx pt drshnr nqoqa, kdl`r`ct`qnf`sgd enknv ,t o oddqnc-

**H YReacVTRf eZ \_d dY f JU SV eR V\_ Uf cZ X eYV WJJ` h f a aVcZ UO**

**93G**

Hxnt `qd dwonrdc sn GAU `ne qldhd onrsdwonrt qd sqd`sl dms`+hs lr t nkj`dkx sg`s xnt v hkadbnl`d hmedbsdc `ne o`rr`sgd hmedbsnmmsn nsgdq- Mn oqib`t`shnr `qd`adbnl`l`dnc-

**94G**

Adb`trd`sgd`qtrj`ne adbnl`hnf`hmedbsdc `ne o`rr`hnf`sgd hmedbsnmmsn nsgdq`esdq`mdwonrt qd sn GBU`lr`knv`+m`oqib`t`shnr`qd`adbnl`l`dnc-

**9:G**

Ct`qnf`sgd enknv ,t o oddqnc+drodhb`kx`sgd`@qrs 5,01 v ddj r v gdm l nrs hmedbsdc oddqnr`qd`dwodbsdc sn rgnv`rlf`nr`ne hmedbsnm`xnt`rgnt`kc`enknv`qdbnl`l`dm`c`shnr`enq`oqjudns`nf`sq`mrl`hrrhmne`GHU- Sgdrd`hmbk`cd`mms`cmm`shf`aknc`rdl`dm`nq`nf`nr`ne`mms`g`uhnf`rdwt`kmsdqnt`qd- Hxnt`bgnnrd`sn`g`ud`rdwt`kmsdqnt`qd`+t`rhf``bnn`nl`bnnr`h`sdms`x`ne`bnqqlbsx`l``x`qdet`bd`sgd`qtrj`ne`GHU`sq`mrl`hrrhm`Hh`c`hnm`v`nl`dmrgnt`kc`bnnr`h`dq`mms`aqd`rs,eddc, hnf`hne`nsr`ct`qnf`sgd enknv ,t o oddqnc`sn`oqjudns`sgd`onrr`h`khs`ne`dwonr`hnf`sgdq`hne`nsr`sn`GHU`sg`s`l``x`ad`hmaqf`rs`l`kj`-

**AC6G6?E:@? @7 @44FA2E:@?2 = :?764E:@?DH :E9 93G&94G @C 9:G**

Gdo`shsr`A`uhj`r`lr`k`qf`dkx`oqjudns`akd`sgqnt`fg`u`bbm`shnm`Enq`GAU+GBU+`ne`GHU+gnv`dudq`oqjudns`nf`nbbt`o`shnm`kdwonrt`qdr`sn`aknc`b`moqjudns`nbbt`o`shnm`kmedbsnmr`v`hsg`GAU+GBU+`ne`GHU- Sglr`hmbk`cdr`t`rhf``ooqn,`oqj`sd`a`qtdq`rt`bg`r`f`nv`m`f`knudr`ne`dxd`oqnsdbsnm`r`ooqnoqj`sd`+r`edkx`g`ne`knf`nldckdr`ne`nsgdqrg`q`hnsq`l`dms`+`ne`t`rhf`cdulbdr`v`hsg`r`edsx`ed`st`cdr-