

$$\begin{array}{r} 7 \ 5 \ \$ \ 7 \ \$ \ ' \ 2 \ ' \ (\ / \ \$ \\ 5 \ (\) \ 2 \ 5 \ 0 \ \$ \ ' \ (\ / \\ (\ 1 \ 7 \ (\ 1 \ ' \ , \ 0 \ , \ (\ 1 \ 7 \ 2 \\ \hline 6 \ 3 \ , \ 1 \ 2 \ = \ \$ \end{array}$$

(G E I R Q H V D D S K F R P

(GWOR SRU
HDDSK FRP

/ RS UJKWZZZ HDDSK FRP
7 RGRVQV HFKRV5 HMHYDQV

75 7 2 (5() 250 ((17(1 , 0 , (172

127, & \$ 62 %5 ((75\$7\$' 2 ' (/\$
5() 250 \$
' (/ (17(1 , 0 , (172

(O7 UDQOR GHODUHRUP DGHQWQGP IHQRK HW
HQP SUHQGR HQ OV 2 EUD Sy WWP DV S EODDV
WDVDP QRVP HMV GHOP HWI CHOD WRU SRUV V
DPIJRV HSUHHG Q YMR DOOFKUT HWHKD
W P i VDHDQWA 7 DP ElpQVHP HQFRQDHQHOSUDMR
J HQHDO YHRVP ID HQWIMFUNK SRU-DIJ -HQV 6D

RVGH i VHMUNRVFRQWQCRVHQ HWDHGHy Q VRQ ODe IID
HO RP SJQZCHJUP i IID HJJD HOY UDLRSRQIR IQRQFOVR
QDVHDFHy QGH DUDV1 R IJ UDHQRP EUHGD WRUQLGO
HQWRU DS EODHy QHQ CHOVRUDVQGWWCH6SIQR
DHDHP SUHDT HRP SRWEDDP QSHPUR HJdDFHW
SUHD FIRQW
-DJL -KODVIRQIIDQH MOPDPIJR CH6SIQR D WAQHy HPR RPHU
HLDHCHHBLV1Q PVNIP HQGQ V RPHWTDIQCDDQ
DU SRUHULHBRQHCHV HSWL ODPi VDODSHHLYQPRDD
SRUEDI

EHP RVD~~T~~ T H~~H~~W~~A~~H~~F~~U~~W~~ HV QR GH~~G~~V~~P~~ i VY~~L~~~~M~~V
 GH6SIQR D T HT HG~~Y~~ I~~Q~~RQ~~O~~VR DG~~H~~S~~H~~KR GH
 GH~~M~~R GH~~O~~D W~~U~~G~~H~~FRP S~~O~~~~M~~GR GEIGR D O~~O~~GLIF O
 WG GH~~O~~REUD D~~O~~VSURI Q~~G~~EVIQ~~M~~W~~I~~FRQH~~V~~ DO
 I~~Q~~IQ~~W~~ VDEHUT HU~~H~~T H~~H~~D

(Q QD FD~~W~~D 2 O~~H~~QE Y 6SIQR D K~~D~~E~~O~~D~~T~~
 (Q F D~~W~~ DV V~~S~~U~~J~~ Q~~W~~V~~R~~E~~U~~H~~O~~P D~~Q~~H~~D~~FRP R
 O~~V~~ERV~~D~~V~~K~~Q~~F~~RP HQ D~~C~~R V~~R~~E~~U~~H~~V~~ Q~~H~~R GH~~G~~\$HQ
 GH~~H~~D FRQ O~~O~~ FD V~~D~~ SUP HD KH FRP S H~~W~~ QD
 RE~~U~~NDtQ~~W~~ U~~D~~H~~F~~DGH~~H~~OR WP El~~P~~Q V~~R~~E~~U~~H~~O~~5 H
 IRUP D GH~~O~~ H~~W~~Q~~G~~IP I~~Q~~W~~H~~ RF SD~~C~~R HQ V
 W~~D~~Q~~W~~F~~U~~SH~~Y~~Q FRU~~H~~FL~~Y~~Q

(W~~D~~RE~~U~~NDQR S GH~~H~~W~~U~~QL~~H~~ O~~U~~H~~W~~D~~Q~~GR T H
 QR V~~H~~RF SD~~H~~ S~~U~~MDP HQ~~W~~GH~~H~~Q~~W~~Q~~G~~IP I~~Q~~W~~H~~ GH
 FRQ~~R~~HP I~~Q~~W~~H~~ Q~~L~~O~~e~~ W~~E~~ T HD Q~~Q~~R H~~W~~D~~H~~Q~~H~~D
 I~~H~~KD T H~~Q~~R HV Q~~D~~RE~~U~~ND RS V~~F~~ OP WP SR
 FR FRQ~~W~~Q~~H~~HWGR SD~~W~~F O~~U~~GH~~Q~~ H~~W~~R SRGHUGH
 FRQ~~R~~HP I~~Q~~W~~H~~

(CRUJLQ~~O~~GH~~W~~D~~W~~ O~~V~~H W~~G~~H~~O~~FR~~W~~HyQ T H~~H~~RQ~~W~~H
 Q~~H~~~~O~~V~~R~~E~~W~~HY~~D~~IRQH~~V~~ GH6SIQR D~~V~~E~~U~~H~~O~~ER GH R O~~I~~GH
 1 L~~U~~R O~~I~~GDHH I~~U~~LDH H~~W~~ D~~W~~W~~O~~ HQ~~W~~H~~Q~~ RQ~~G~~H~~V~~ HQ
 Q~~V~~U D~~H~~K~~I~~Y~~R~~V GH~~O~~6R~~E~~LG~~G~~ 5 H~~O~~GH~~O~~T H~~2~~ O~~H~~QE Y I H
 V~~H~~U~~H~~W~~H~~ D~~H~~H~~G~~I~~H~~KD S~~H~~R P H~~G~~DQ~~W~~H~~L~~W~~V~~FRQH~~I~~RQH
 V~~H~~~~O~~S GH~~H~~W~~U~~H~~Q~~GE~~H~~P E~~U~~GH~~H~~ R HQ H~~Q~~HR GH
 9 pDH~~O~~ HQ~~P~~ D~~2~~ E~~I~~ L Si J~~I~~QD

75 7 2 (5 () 250 ((17(1 , 0 , (172

6y Q HOUJ P HQW FRQRHGR FRQ HQRP EUH GH
7 WDR GRHOUHRUP DGHQHQWQGP IJQW S GHVHU
OUREUDT H HQV FDWD2 OHQE U 6SIQR DFRQL
GHF FRP R DFRP S HW D QT H QR HQWDP HQW
FRQFOIGD (Q UHDGG HMHOUJ P HQW QR FRQWQH
HQV HWOR DWDO VQF EUHMP DVDOVRQHIDORUL
J HQ GHOWFRWDV DOFD VDSUP HD SHR HQ YDURV
OJ DHV 6SIQR D DGYIHWI DOOFWUT H WDWJ PiV
DGDQWIDV QXV GHHD QDWUDID WP ElpQ QR UH
P WADV ICBVRIID HVGHU VQG GDDOSDWIGHV
OER T HGEDFRQWQHUSRVHyQGHV P HWt
VED

3 RGHQRV S HV FRQMGHDUHO7 WDR GRHOUH
IRUP D GHQHQWQGP IJQW FRP R FRP S HW L SUR L
P DGP HQW HQ 6HWWDGH QD REUD GH HM

0 HSDHHYHRVP IOT HOREUDKD DVGR UKHKD DDR HO
GHFR SUP WYR GH6SIQR DQR HDIQFOIJHQHODWGR QR T H
PiV WADT IYR SRQURFRQHQLQWIDOP pWGR DVJ LUHQW
IQYHWIDHyQCHDHYHGEG

6REUH HWA S QW YpDH (OER HQ HU7 WDWWV GH IQW
OEWVHP HQDWRQH

6J Q 0 HQP D RE HW SiJ OIHDGH HMEUQ
RS VF QR EUEHOUHRUP DGHQHQWQGP IJQW S GRDF GLOID
6SIQR DP IJQWDV CEDDV P DHWY YDQGHQ(QHQHQV
WHDGH SURHARU 0 iV WADH HQ 5 IJQE U P DYP R GRQH
SDy OWDYRV D WYR SRUQ P HQRV Q DOP QR
OOP DCR DHDILV IOT HP HQFRQDHQV VFDWW GHO
F DOGUHP RVDP QDSDEUDVHQW1 RIHDVREUHCV UQHSIRV

SHURGR GHΦYICDGH6SIQR DSDDGR HQ5IMQE Y
 ΦP i VFΦEIH ΦP i VΦICD HQF DQW DV FRQM
 QGR GRJ P i WER ΦP i VIP SRWQWT HKDDHMFUW
 HQHHSUP HUSHURGR GHV DAWICGΩMID

(VSUHHR SUH QWWSRUT p HWΦREUD HSMMO
 DGHSHKR GHV EUYHCG KDT HQGR IQFRQFOV
 3 HGH SHQDWH P EHQ T H 6SIQR D KDELQGR
 HP SUHQGR ΦFRP SRWELyQGHΦe WED KDDUHQ Q
 FIOR DHMFUEUR DFRQHYDUΦSDWAGHV WDXOR
 HQ T H GHEDHSRQHUV IΩNRtD SHR Q T H UH
 T IHHHSΦDyQHVKHFKR GHT HΦP IVP DWRIUD
 GHΦRQRHP ILQW KD DT HQGR IQFRQFOV

DV ΦP DVSi JIQV GHΦ5 HRUP DGHΦQWQL
 P ILQW GHF EUHQ EHWK HP EDDR HOSHQDP ILQW
 KDWIKt VJ UR GHV P IVP R li HOGHVJ IUHQV

GHΦDOKDCH HHDW3HR QQ QΦFRUDIQR GHΦUDDR
 GHΦURUP DCHΦIQR DCHΦIQR FUHJ QHMDIR H SΦDUSRUHM
 HLF QWQHLVDHGQWΦV ΦFRP SRWELyQGHΦWΦREUD (ΦΦ
 WELyQ OJ DUQHMDIR HQ QV WΦDEWGH6SIQR D WΦ SRFR
 HV D QT HHQ HΦVHP HQΦRQHΦSHCJ RJ tD HΦMFUW GH Q
 SHCJ RJ R T HSHWJ HΦP HGR GHHQHDUΦYHCG R GH
 HQΦHQHDUHQSfUW GH QΦP QR HVΦWΦDEWGH QIΦVR
 IR T HP HGΦDSURI QΦP HQΦVREUHΦQWUDIDGHΦ YU
 GHΦHR HΦP pWΦGR DVJ IUSDDQR IS DWWGHΦHQV
 SURSIEVIQWΦWΦDRQH (ODFRQWΦP ILQW T HF HQΦHQV
 YICD T HS HGHVUFRUGR DSURSYWΦ GHΦ HRUPDGΦ
 ILQWΦP ILQW HVΦΦFWUDGH HFDWW VIQG GDWΦ EΦQGH
 DRQ T HSDHHVUHQΦFR HQP HKRVSDWW

75 7 2 (5 () 250 ((17(1 , 0 , (172

P DFKD SDHH E VDH DQ G GDU DDR YRH
VREHV FRP IQR FRP R VLGIF QGHP SUHWWVH
K EHMQSUH QDR UH IUDQ QHWRHHR 7 UD
KDEHUHS HWR QVP RWYRVCHRQHQ P RUO T HQ
GHMP IQDRQ DHP SUHGU O UHRUP DGHV HQWQ
GP IHQW 6SIQR D FRP ILQ D SRU GWQ ILU F DWR
P RGRV GHSHH\$ Fly QR J UGRV GHFRQRFIP IHQW
OOWUDRQHSRUOOF DOWHOF DWR P RGR HOF
QHP IPQ HGDW GH QDFRUDSRUV HWHDR
V FD VDSU Fly IP D GEHVHSUHIGR DQV GP i V
KDEO OHJ R GHOP pWGR DVJ ILUSDD OJ DU D HM
J UGR V SHIRU P HWDT HHHP pWGR FRQWHA

(VGLHODHUVQHP RFLyQ DP LMIIR SRUQ P HQRV HOF
P ILQ R GHOPREUD ODSURI QGEG GHQHQW ILQW OVIQH
UGDG GHWRQR P DQHWWQ ODSHH DGH OWDOKDVS DQDGV
MQR DF DOU IHU, J OMD VRQ DQHHS QYHXR P IWWURVR
DQ VIQG ODKRWOCOQR GH SIOJIR/6SIQR DT IHH WODWU
SRU OUDHOLyQS UD HOF HQ VR GHQHQWGP ILQW HMR
WQHYHGHDJ UQHD i Q GHUHQWGH OVIWDlyQ GH
HWDWW DDFRP ILQ R GHOW HLDIHCW 3DDDFRP SDID
FlyQGHDP EDVREUDYpDH. QR) DFKU HWE HUQHWD
IORS IH SiJ
(QHO UHUDRQVJ UGRV GHFRQRFIP IHQW HDQWV VQ
T HK EHDHQ HWR IIMDSHUFW HQOe IID VHEQ GHQW
YDP HQWUG HGRV DWFV QV UP RUW OPH SHUQHDYJD
IRUP DQ HOSUP HUFRQFHWR 6REUWDFRP SDID FlyQT HGHEH
KDHWDHWWUHS HWR HQWHDVWV REUDV YpDHHQS DWF
OU 7 UQHQDQE Y ILRUFH HUJH U IORS IH HQQ

DQWVGR HQ QFRQRHP ILQX UHOTYR PDR GH^o
 YHG^o D SRVHG^o (WI FRQRHP ILQX HQ HHW^X
 KDJ SRVEOIO GWAQHyQ GH^o YHG^oHR GH^o
 IDOR WP ElpQ HOSURJ UHR GOHISUW HVGHU^o
 IRUP DHyQ GH^o HYD VIGHD PDRV GWAQDV^o QR
 Pi VDQWVUHV P HISUR IP DDP HQWFRP R VJ H
 QT HVHGEEHS HDUGHOP pWGR

4 HHQHHDGWAQ IUOIGHDYHGHDGH
 WGDVODVRWDVS HHS FIRQH

4 HWDFHODVUJ OVSDDIRUP DUGHODVFRDV
 D QGHFRQRHGEGVIGHD PDRV GWAQDV

4 HIQWW D QRGHQ GHIQHWJ DHyQSUR
 SIR SDIDDKRUDUJQ WGDVIDDV

(QIIQ SDDT HHOP pWGR VDQ P i VSHU
 IHW^X SRVEOIHQHHMDR T HVHWP HFRP RS Q^X
 GHS DWDODDIGHDGHUP i VSHIHW^X

(OSUP HUS Q^X HWV WDXGR HQWDP HQW^o
 IGDYHGHDHV GWAQ IGD F IGDGRVP HQWGH^o
 IEEHyQ GOHIRU De WED GRQGHVHS HCHYHU^o
 DSQEDHyQ GH^oRV SUQESIRV HWDOEHCRV HQ^o 5 H
 IRUP D GHQWQGP ILQX FRP ILQD FRQRUP HD^o
 UJ OIQ QFEDDHQF DDX OJ DU (QF DQX DQH^o Q
 GR S Q^X V^o HWV IQFRP SOWP HQW WDXGR HO
 WIFHR QR^o HWV HQDEVROW SRUQ P HQRVHS^o
 HWDP HQW

75 7 2 (5 () 250 ((17(1 , 0 , (172

6IHQGR HOFRQRFP IHQX GHODVFRVDVVIQ OJHVO
IIQSHVH J IGR VRGEVODVRWDVHQWGHUDyQ 6SL
QR DP HWDT HHWA FRQRFP IHQX QR S HGHGH
G HUHGHIGHDR GHSUQHSIRVJ HQHDDV SRURWD
SDWA HORUGHQ GHKHEKR HQHOF DOOVFRVDVHV
FHQ FRP R FDHHGHIS QX GHFRQH JyQ FRQ V
HMQFD QR VEQGR QDYHGCG HVIP SRVEOFRQFH
EIQF FOID GWXQDP HQWA 3RUOVP IVP DVFRVDVVIQ
J OJH SHR IIW HWDQD VH OJDU
GH FWYD HQWDOFRQRFP IHQX GHODVFRVDV P yYL
OW FDP EIDQW (QT p RUGHQ VIQ HP EDJR VH
KDJ HWOGH FRH JyQ 6HJ QHHMDIR FRQMGHDU QD
FRVDDQWVT HRWD F DOHMRJ HJ

(QHWAS QX GHV HSRVIEyQ 6SIQR D FRP R
HMDWW VLQR HDWDP HQWA SRUODV P IVP DVUDR
QV VEQW OQHMGCG GHSHDUDOHD SHLQFD
RUWSRQGH GEH DQWGHIQWUFRQRH UODVFR
VWVIQ OJH WDUGHQVP HGRVT HSHP IWQ OI
JDUDHMHIIQ QRP EUDFRP R P HGRVHOE HQ VR GH

6SIQR DGHH HGDHHD V SUP R DT LQSDDEUDHHD SDSDD
VHDDUP HMDUDRSRVIEyQ GHODHMQFD GHODH LWQFD HQ
WQRT HHOOGHSQGHQ QFRQF UR GHIEUF QWQFLV GH
Q YHGDHR GHQ T H VH Q OUVVF DHVGH OHLQFD
HSHP HQWODHVRUBO

GVHQLGRV HOP SOR GHODH SHIQLD QR YJD
 VP SOP HQM VQR VJ IHQGR UJ OVIMW HQ QRU
 GH HWMW SDDGMP IQDUFRVDT HVHWGID
 (Q HDMG QLHQ OFRQWQ DHyQ GHODDOR QLHQ
 SDWADP QD6SIQR DKDP DQWQGR OSURP HMDT H
 SDHHKDHDT t DHDUP DCR VLP SUHT HHOER
 QHPH IQQR GH OD FRVDH HVWQW HQ OQDWUDID
 HDSRVEOI HVHWR T HpOGEHHWUHQV GRF
 WQD SHR MP i VKDP RWDDOR GHP RGR VDWIDWUR
 FyP R HQR RF UD MP i V VH KD H SEDOR H SUHD
 P HQWDFHDGHOS HOGHODH SHIQLDHQ ODLT L
 VELy QGHODEHU

3 RWUJ DQGR HOHWGR GH OD UJ OD DREHYDU
 SDDOJ DUFRQHP IQQR GHODFRVDVDP EIQW
 SHIHFHDV GHODT HQRVIRUP DP RV P HQWQWGV
 VHQGRV IGDVFRQ VD RWF UD 6SIQR DSDHH
 T HJUP DQWQHWHQ HDSDWGHP pWGR T VH
 UHHDODVFRVDVWQV 3 RUHR P IVP R HVQHMD
 UR GHMP IQDUFRQS UHMyQODI HWDV OSRWQFD
 GHQWQGP IQQR HQYLGWGHOSUQHSIR HWEOI
 HGR HQ OSUP HDSDW HV PDR T HHWFRQFL
 P IQQR GEH GIG FLSH GH DT HOGHQWQGP IQQR

HVWHP IDHODUDRQVQR VRQODVP IVP DV S HVODUD
 HyQ GHQ SRVEOI FRQG DWDODHSDD6SIQR DQWQDT H
 SDD HWDWV

75 7 2 (5 () 250 ((17(1 , 0 , (172

FRQMGHIDR HQ V P IWP R 3HR QR SRVHP RV QD
ICHD SHIH WDP HQWIFODGHDHQWQGP IHQX K P DQR
HHV S HV IRURVR D6SIQR DVJ IUDOFRP IHQ R
QDP DFKDIQHWDCHFOOT HpODEHT HHVOPP HNU
(Q OJ DU GH CHG HU OV SRSIHDGHV GHOHQWQGL
P IHQX GHV GHQFHyQ GHRQRFHODV Df SRUV
FD VDSUy IP DR SRUOPHMHQFDGHFOFRV D HQ P HID
OV SRSIHDGHV GHOHQWQGP IHQX VODVFRP R OIVRQ
DWDO HQWIFRQRFIGDVSRUV VHFWRV VHSURSRQH
OJR E VEDUOQ QDFRVDFRP Q GH GRQGHVHS H
GQCHG HU

(Q HM P RP HQX SUHFR GH V IQHWWyDHyQ
6SIQR DVHQWU P SH UOT DGMGHQWU V HQ
W QEDREUDCRQHSURSIP HQWVHWWDCHFRQR
HP IHQX CHOP HGR GHDTG IUDQ HQFRQWDP RVGRV
W QDV IP SRWQWV 1 R VDEHP RV FyP R GH OV
FRVDV HMLQWV VHCHG HUQ QV P RGRV SDMILRV
FRUUSWEOV QR OPH IWDQFDGHMRVP RGRV REPU
YHMHWR VQR V VHMQHLV QR VDEHP RV WDP SRFR

0 HKR VHKDGIV VGR VREHFOQDWDD DGHODVFRVDWDO
YH HMLQWV VQ OPH DHWUASHFR YpDHSHDWF ODP HQW
5 YD G HVZRIQVGHWQHII GHVQHGDVOS IOKS IICH
6SIQR D3DWV S URW 0 HSDJHFT HODVHQ
HIV P DWP iWLV D OPH YH VQ OPH QYHMDWV S HGQ
SRUQ P HQRVGU QDGHGHIQT H6SIQR DHQWQGDSRU
HQ

SRUT p P HGRV QRV DJJ UDHP RV GH Ø UHDGG
 SUREØP i WEDGHØVFRDV DQW GHE VDUØYHGG
 HQSHWF HyQGHMDP IVP DE VT HGD

1 R ØJDP RVVT IHDD QFRQRFP IHQX V IL
 FHQWP HQWFOOR GHQHQWQGP IHQX K P DQR GHØ
 UHDHyQ T H P DQWQH FRQ ØV P RGRV HWAQRV V
 SRGHUGHFRQRFHUVS HWX I HDGHG ØD V VHUR
 UHVRQH SØDFRVRFRQ QDSUHMyQ QDPØUGG
 T HQR FUHP RVT HS HGDVUV SHDØD V HHQFD
 SHP DQHH IQFRP SØWP HQW FRQRFGD 6SIQR D VH
 GHWQHIDQWDQGHKDEHFRQFOIGR HØQ ØMVT H
 KDUFRQRFGR IQGSQHQDEOI T HQR HDP i VT HØ
 SUP HUP RP HQX GHØIQHWW DHyQIØEDØ

(VII HOFRP SUHQHUT H6SIQR DQR KDDSRGL
 GR HQHCP RP HQX GHØUHGDHyQ GHØWDXGR ØQDU
 DV WDWDHyQ HMDGRV ØJ QV KDEIDVGR QHH
 WDUR T HSRVH HDGHGHHQWQHV QFRQRFP IHQX
 V IIIHQWGHØQDWUDDI DK P DQD GHØQDWUDDI D
 HQJ HQHDO 7 RCR ØT HSRGD GHUVH GHFRQRFL
 P IHQX FRQMGRHØR HQV P IVP R KHKDDEWDHyQ
 GHØEMW SRUFRQRFHU KDWDFLWX S QW GHOV
 MW FRQRFLQW VHKDEDGKGR GHP RCR GHQWWR
 SDDØT HKDEDGHWJ IU 6SIQR DQR S GR WWD
 GHYHU ØIQGEDGHSDR T HØVROHyQGHØV
 SUREØP DV SØQWDGRV HJtD ØFRQWWHHyQ SUHMD

75 7 2 (5 () 250 ((17(1 , 0 , (172

GH QD FRVP RQJ tD GH QD DQWRS RQJ tD T HHD
QHMDIR SRUQR P HQRV HWEOFHUQV SUQFISIRV GH
HMVS DWWGHQDQWVRI tD GEly HQFRQMF HQFD
IQWU P SIUS URYMRQD HQWIDFRP SRWElYQGH QD
REUDVREUHOP pWGR DVJ IUS DUDFRQRFHU

3RUT p VQ HP EDJR QR YROly D HQR P i V
DGDQW 3RUT p GH S pV GH KDFU UHGDWGR O
e WEDQR FRQFO y HQWIDFRP GHQDFHRUP DGDHQ
WQGP IHQW"

(QWDV1 RWVREUH6SIQR DGDQWVSU D QD
VH HQF HQWDHWIUDH 3RUT p 6SIQR D QR KD
WIP IQDR V (P HQG SRUT H QR KDFD ISQEDR
HSHP HQWDR HOP pWGR HSHP HQW 3RU HR
QR QR SRVHDFRP R SRVHDHORWR

- JRT HKD QDSDWGHYHQDG HQ HWDRSL
QyQGH Q KRP EUHWQ SURI QDP HQWYHWDR HQ
OIIQWRI tDGH6SIQR D 6IQ HP EDJR QR FUR T HOF
HSQEDlyQ VHDV IIIHQW (VHHWK HQ HHWKT H
6SIQR DWYR P i V GH QDRHDMlyQ VLQR GH SODU

5 HY HGH0 pWQK VT HHGHO RUDDI YRO,,, SJ

(OP pWGR HSHP HQWQHT HSIIHQDHOD WUGHHWQIUD
WQQR S HGHVU EIHQ HQWQGR Q P pWGR SDD OJDUD
FRQRHF IPQW VQQR Q P pWGR SDD CHWIP IQDUQV SUREOI
P DVSRUUHROFHU

SURSIDP HQW HOP pWGR H SHIP HQWOSRUQ P HQRV
GHUHOUIRQUREUHPo

(QQ P HWRVSDWVGHV V DWW HOYR IQ
WpV HQ OV IQMWWLFRQV GH OV ItVERV GH OV
T tP IERV OFRP SRVHlyQ GHOT UDWR GHDFR IUV
HOSUR HWR T HDEHP RV KEDDIRUWR GHMFUEU
QDREUDREUH) KORVItDQDWUDFRP R FRQWQ DFyQ
GHOf e WED QRVSHP LWQDIP DUT H6SIQR DMP i V
SHGy HQWIDP HQW CH YWD OV F HWRQV T H OI
SUHF SDRQ F DQGR HFUEID REUH OI UHRUP D GQ
HQWQGP ILQW SRURWDSDW OFRP SRVHlyQ GH
Oe WED Q OV y QHHMDIP HQW D SOQWDSH HDV
P DIP DVF HWRQV DGUGHHOV QDROHlyQSRU
Q P HQRVSDWQ

UH T H6SIQR DQR OJy SRQHODW HQ FODR D
V HQWIDWDWIDHyQ SRUT HQR SRGIDQ VHUV HO
WV HQWIDP HQW HQ HOMP SR HQ OV WUP IQRV HQ
T H OV SOQWDED P HISUV UR DJUJ DUT H VL
OJR QR YROly REUHHOVOHQQQ QDREUDCHWQD
GDDOS EOHGQD I HSRT HOFROHlyQQR OISDH
FDIQWHSQHDEOI SRUT HQR FUHT HHWDOy QD
S GHDFRP SURP HAUODROGH GHV REUD R HMQ

6IQ T HVHS HGDINWGHIP RGR SUHFR OIHKDGH HWD
FRP SRVHlyQ VDEHP RVSRUQV HWRUV GH OV 2 HWSyVPDV
T HWDQWIRUHQSRFRVDRVDOP HWIGH6SIQR D

75 7 2 (5 () 250 ((17(1 , 0 , (172

FLOHT HOSRVEIOGG GHOFELQFDVHDHWEOFGD
HQF DQW DQVP HGRVSRUQVF DQVVHFRQWWLJ
HUHDWYDP HQWVF QGDUR

GLHFQFDGH HWLWV 6SIQR DHVP RUDDW
QR ItVER DV GYHWDV HLFQFDV HQ P HFDGV DOFR
P IHLQ R GHOT UDQW GHOFUHRUP DGHQWQGP IHLQW
FRUHSRQHQDFOYIGDK P DQDWDFRP R pOODFRQL
EH QR VRQ VQ HP EDJR GH SUP HDQHMGDG HO
KRP EUHS GHCOJ DUDOCEHWG SRUOVRDHOI
LyQ FRQWDT HVSDT HQODHQpCQLI HDGHpO
HVIQQWIEOI FRQHWDP IVP DFRQGHyQ HVSRL
EOI GHWAP IQDU GLDFWDP HQWODV IQWWFRQHT H
FRQMLHQDFOEL CGG V HORUGQP IHLQW VJ QW
UFWWDyQ GHOFUFRVWK P DQV OWDYDFyQ GH
IQGYIG R QR HJHQ WFRQWWHyQ SUHDGH QD
HFQFDGHOFQWUDIDFRQCHDHDQWOP CGSDEL
GGGHV VP RGRV

ODUyQSRUOOF DO DQD HSODHOMWGR
IQRQPOWR GHOT UDQW GHOFUHRUP DGHQWQGL
P IHLQW KD T HDUJ DUpW 6SIQR DWQDRWIDH
QDPIVLSUP IDQWISRUHDDU QDIDQDT HSRGD
UHDUDQWGHUWDP DUOSUP HD T HIP SRUED
DQW WRGR HED HFUEIU HO 7 UDQW WRQJ IER
SRQWER SUREDU FRQWD WRGDV ODV, J OMLV FRQWD
WRGDV ODV VHWV H HSWDOD GH QV FROJ IDQWV

T H HO(WGR S HGH GEHVUHQWUDP HQWIDER
 GHMDOIQGYMG R OHQWID OEHWG GHVVSHQD
 P ILHQXVIIQWIIERV UHQJIRVRV QR SHUP WUDQQ
 J QD D WUICDG UHQJIRVD IP SRQHSH SRU OI HUD
 HEtDFRP SRQHUHO7 UDGR SREWER QR S GR SD
 VDUGHSHtWR QGPFR R QWAWGR WQDT HUH
 GFNUOe WED WQDT HHWDEOHHSRUOJ UQ YD
 P HWDtVED OI QEDT HS GR VJ IUT HHOYBU OI
 J HQHRVIGDG WEQHQSUV P IVP RV QSUHFR IQIQW
 T H OOP RUDQDG QR QHMMUDUFRP SHQD S HWR
 T HHVIGPQWDDOMU

6SIQR DHQMHy DORV KRP EUV GHV WEP SR
 GH WRGRV GRV WEP SRV F i QW OIV IP SRUW WDMH
 QRV DRWRV FRP R VHUV UD RQDEOV O RWY DORV
 KRP EUVT H HQ QDOP DFODD HOS HWRQI Q
 GHFRQ HODP RUD IRV T H OYGD YHGDHD D
 FRP R QR HV QDYGDGHSOHHV WDP SRFR HV QD
 YGD GH SHQD GH SUMDHRQW T H HV H SDQMyQ
 JR RVD FRP SUQMyQ GRP IQR GHV

1 R UHWP y FRQFO y V 7 UDGR GHODUFRP D
 GHOHQWQGP ILQW SRUT H DQW GH SRGU WEDDU
 HQ pOVHDP HQW WQDT H GHFUFRWV J UQGHV

6IQ HP EDJR VELP RV SRU OI HDW HFWWD 7 VKLUQ
 KDVT HOVF HWRQHP HWRQOJ IEDVQR HMDRQGH SURF
 SIDUV HStUW

75 7 2 (5 () 250 ((17(1 , 0 , (172

VODGEOW WQDT HGHIOV SUREDOWQR WQ SRU
V VHFUVV VQSR SRUV HMP SQ SRUV JUDQERQ
GQ V IQOIEOIIUP HD SRUOG O UDVP SIGH
V VFRWP EUV ORY QNDIQH\$HQHQHDGHV
HDJFWU SRUV P RGHWD V VJ UGDG P IHQWD
S GDOQW HFUEDD OHW JK UQ QIDD

OHW JK HDKIM GH RQDG JK T HI HWARUHR
J HQHDQH OV 3 URYQHV 8 QGDV DT HQ 6SIQR DSDHH
KDEHISUHIDR P FKR 3 RUDP QWEP SR VHFUHy T H O
EHW JK HD HOGIHS Q SDDF D IQWU HyQ 6SIQR D
FRPS VR QV UQTSIBVCHD IIQWDCH' HDUW 9 DQ 9 GQWQ
KLR HWFRQWUD T HI HDQ IWD SRUE HQ Q P HR GH
KXWUDGRUV GH IQWSUHW GH 6SIQR D HQWH RWRV SRU
3 RQEN 6SIQR D IVQHDQ IOKS RQGHV SiJ
(WVEQSUREDQRT HFMGIVS QRQI H OHW JK
QDFGR F DQGR P i VHQ SHR HVH DWT H6SIQR DQ
FRQRHy DROMHQWDQ R SRUQ P HQRVMMQ T HKDW
KDEDI QGDR HQpCDP QVHS HDQ DV RQM LWR DQHWD
HVP R HQHOF UR GH Q YLMD, WWD WYR ODD GEDGHI
FUEIUD6SIQR D QFDWWDKDW IUD RQEFOIHQROQWQHQ
F DQFH KRUWEDDUWWDWGHV VHURUV 6SIQR D DUH
JR GHDP QRVDP JURV VIQG GDSRUFRQMGHDHyQ DOSDGH
GHWYHQ OIHSRQHy DWG GHQHGEHyQ YDQ9, RWQ
DQG D UHS FWWDHV SDWF QDP HQWLIQWIMQW SDD HO
HWGR GHQD JWUCH 6SIQR D DT HQP HWWDHS D GH Q
VHQW HQW YIR IWWDR HDLYIROQW QW Q MYH QH DO
WDR T H HQV FHR IP SHWQHQW OIH JHT HUQ QFHDQ
T HHVV YGDP IVP D 6SIQR DQR S GHUHSUP IU QP RYL
P IHQW GHWDQW HyQD e OT HHDKDEIWWD HQWQEHQHR
QHDQ WQG O UDP IVP DVHQV VUHQFRQFRQFRVKRP EUV
KDEQ HQ QRP EUH GH QWDyQ QWDQ QDQ DNG UR
VHYHR

QDVSHWELyQ I QHW D UFRQRFH F CWDW UD
 yQ SURWAWED FRQWD O EDEUH GH O P CWG
 DHMQDGHQVKHP DQRV: IW VHHQWVWQDIDP L
 ODP HQW DQJ UP HQW FRQ V V K pVHGV YDQ GHU
 6S FN UHK VED O F WGDGH SURIHRUT HOMRIUH
 FDQHQ HCHQHJ FRP R KEDUHKDOR ODU HD
 RIUHGDSRUV DP JLR 6 GH9 UHV UHSRQGDIQIDW
 J DEOP HQW D OVF HWXHQV DP HQ CR SRFR IQMD
 J HQWWSOQWQDGDSRUV VDP JLRV DYHHV KDWDOSRU
 V VDGYHDXURVP i VR P HQRVD O DGRV FRP R * L
 ODP R GH , HQHJK KDHQGR VGR HWX GYFUH

6DEP RVSRUGYHURVWAWP RQIRVT HHWDHyQ DERP L
 QEOI T HCHM QDP DQKDHQ HQRP EUHGH* KOP R GH
 2 UDQ H I HRQ OVIQWJ DV GHOSDWCR RUDQ IWD CWDYOL
 QWD OVT HFRQG MIRQ DOOMQXP HQW SRS ODU DODHL
 QW CHJUDQ SHQMRQDUR IP SUHMRQ JUDQGP HQW D
 6SIQR D DEUDT HIGR HMDQDIP HQWCHMS pVHQBV
 P URVGH D DD QSDT tQFRQHWVSDDEUDV OPLHU
 HURUP 6 K pVHGV YDQGHU6S FNWYR HDLT HHP SODUO
 YIROQHDSDDIP SHGUH R DQGR VHHQWVWY FRQ HEQL
 QRYHGP EUH 6SIQR DUFRUG HHV HHR 9 pDH) UH
 GHQKDO HHDQHFE HSij

* KOP R GH , HQHJK KHMUEly D6SIQR D VQFRQRFHQ
 GH S pVCHOS EEDHyQCHQV UQISIBVCHDIOWDCH HV
 HDHV6HQH Hy Df QFRUHSRQHQHDT HGD QDHDYDD
 IGD GH O SDSIHQH GH 6SIQR D DFRUHSRQHQHID HV
 F DQGR pWWDGT JU O FHWV D GHT HV FRUHSRQDOQR
 T HHD VDUHFWD HQW GH V UDyQ 0 i V WCH OHQHJK
 DDP YIROQWQD HQWMD6SIQR D 9 pDH0 HQP D REH SiJ

75 7 2 (5 () 250 ((17(1 , 0 , (172

WP HQM VIQ ID WR WD KDHUYD DGR UH OI IR
QCR DQR KEDP RWYR SDDG GU SDDUHOI
IRQDU 3RHD OIS WWG GH SHIP HQM OVP IV P DV
HP RFRQVT HGV GHP i V KRP EUV HDV SHURUD
WRGRV SRU OPOUGDG GOHS t UW OPI HUDGH O
YROQW

5 (6 338 1

6 3 , 1 2

75\$7\$'2'(/\$5()250\$'(/
(17(1',0,(172<'(/&\$0,1248(
0(-25/2&21'8&(\$/
&212&0,(1729(5'\$'(52'(/\$6
&26\$6

\$'9(57(1&\$\$//(&725

W7UDDR CHD WURPD GDIQHQEPILQR THOI
GPRVDT t LQGQWR HQ RQ OFRU QR HUEy V D RU
DFP FRVDRV6IIP SUHDPIQy ODIQHQEPILQR
SRURPSHACRSRURUVFSDERQH DUHDDCR ILQDPHQH
SRUOOP RUHQRS CR ODUV REIDDO pUPLQR CHDR
RPRHQDILHQRERDQHP FRVRUVHHDQH V IOW
THHQGODP QWEGQHP FRSURHFRSDDIQHL
JDRUQHRCHD HHDQH PRVT HUCRSULDUHHDQH
SDUDT HQRJLQHV S IDVSHQCDUOVFUCDHVU

75 7 2 (5 () 2 5 0 ((1 7 (1 , 0 , (1 7 2

*GHDVHILPSHWHFQVT HDT t DO WIQFLQUD HPRV
WDFDRHDDGHIQED GLV*

75\$7\$'2'(/\$5()250\$'(/
 (17(1',0,(172

DHSHILQFDP HIQHy T HF DQW RF UH
 IUF HQWP HQWHQ OYIGDRUGQDHWYDQR I WO
 YHDT HWGR OR T HSDDP t HDFDWD RENW GH
 WP RUQR FRQWQDHQ V QDDE HQR QLP DR I HD
 GHOHWX T H H FWED HQ P L D D UHROt IIQD
 P HQWHQHWJDUVLR KLEUDDR T HI HD QEIQ
 YHGDHR SRMEGH DDDQ DU HO QER FSD GH
 DHWUHODD D QDYH UFKDDEVWGV OVGP i V
 FRDV QEIHQ F R GHF EUP IHQW SRVHMyQ W
 YHQS RUUV OGR QDHWQGEGHJ RFHFRQWQ R
 VREHDQR J R UHROt IIQD HQW SRUT HDSUL
 P HDYIWSDHFIDQHQDW UQ QELUDDR VH UR
 SRUDDR IQM J UR 9 HD SRUHWK OVYHQWWT H
 QRSURF UQ HOKRQRU OUIT HD F DSHWF
 HyQ GEHLD DEDQGRQDU LT HD FRQWDHP HVWD

75 7 2 (5 () 250 ((17(1 , 0 , (172

P HQWIDDDQ S URSyVWQ Q HMR VLWPIHEDG V
SUP DUMGHDHQHQV GHEDUHQ QFLUDSRVHLD
HQHOEDR GHT HQR WFRQWYHHDQ HOSJRHFO
VYR DHMDVYHQWVWP HOKDMSHCHUJL DDHQW 6H
IQI ILWED P LDD DS RUVEHUVLDFDR HIDSRVIEOI
IQWWILU QD YIGDQ HYD R F DQGR P HQRV DGT ILLU
DDQDFHWDUHSHWQ GHHQVQ FDP EIDUHORUHQ
DQW R QLWFRQG FWRUGQDIDGP LYGD 0 FKDV
YHIVQ IQWQHQYDQR 3 HVQPiVIUF HQWHQW
YIGD QR T HQRV KRP EUV VJ QS HGIQHULGH
V VDFIRQH FRQMGHDQ FRP R HOEHQV SUP R VH
UHG FH HQHFWK DHWWVHFVFRDV UT HD KRQRU
SOPHUHQV DO DGD QDGWHDHOHSUW GHF DO
T ILUSHQDP IHQXUHODWYR DRWR EIHQ HQ HOSOPHU
HODD DT HGDV VSQD FRP R VLGHMIDQDHQ Q
EIHQ YHGDHR QR T HOPP SIGHQDEROWK SHQDU
HQRWK EIHQ SRURWDSIWA DQRFHV FHGH QDWV
WADSURI QGD T H VLQR V VSQGHOSHQDP IHQX
QSHWUED HP ERWD DSHWF HyQGHOKRQRU GH
WUT HD QR DEVRUEH P HQRV HOHSUW HSHEDO
P HQWIF DQGR WUT HDVHWE VFDSRUV P IVP D

(WWS QXKDEUDSRGCR WDDWHRQ PiVGHADURQ
FDWCG P HGDQWIDFRQMGHDQ HyQ VLSDDCHGV GYHWRV
FDRV UT HDE WDDSRUV P IVP D SRUHOKRQRU SRUHO
SOPHU SRUWVDOG SRUHOSURJUH GRQVHILQEDV GHQW

S HVHQWQFHVHWDV SRQHHDQFV SUP R (OKR
 QRUENREHHDHSUW P i VH FOVYD HQWD QSRU
 T HVLP SUHVHDFRQHDFRP R DPF E HQR HQV
 FRP R QHQ WPF R DOT HVHUVHHDQWGDVWD
 FRQHV GPF i V HOKRQHU WDF HDQR VRQVJ L
 GRVGHDDHSQWQF IHQW FRP R V HGHFRQHDSQHU
 SRUHDFRQWDIR F DQW P i VSRVHP RVGHHDV HO
 JR R HSHUP HQWGR DFHH GHGRQH VHGHWD
 FRQWQWVH FWQWQF QDDP HQWQBV VLQF QDVYH
 HVVHJUWWDQ HWWD HS HDQD VHQW RVHVWPD
 WWD (OKRQHU HQHQ FRQWWH QJWDQIP SH
 GP HQW SRUT HS DDFQJ UDR HSUHMR YMWVJ Q
 WDP DQHDGHYHGHWD HQW HVGHU K JUGHQT H
 HOK H E VDUQT HHWDE WD

9 IHQFR S HV T HHVRVREWWVREWDF QDQ
 QDQWWH QGH QQ HYR P RGR GHYGD T HKDW
 HWWH QHHHDV pWW QDRSRVH QF HKDFHQH
 FHDQIR UQ QFDUD QRVR DRWR P HYLFRQWFKIGR
 DE VDU T p SDWCR HDP i V WOSDHHD HQHHW
 FRP R GM T HT HDHDP EDU Q ELQ HHDQH
 RWR IQHEDW 3HR CHS pVGHDF QDUHWD QVREUH
 HWWDV QW UFRQRF HQSUP HUOJDUT HVLGHMED
 HWWD FRVDVGHDIR P HHQWHDQDQH YR P RGR

DWW SHR HWWD FRQHDFRQHV VH KDWQ HQ RWDSDW
 S HVDT LQR FRWHSRQH QDQF MELQF QP IQ FIRWD

75 7 2 (5 () 250 ((17(1 , 0 , (172

GHIQD DEDQRQMD QEIHQIQHDX SRUV QDWUD
ΘID FRP R VHQLHHFDP HQWICHQ GEFKR SRU Q
EIHQIQHDX QR SRUV QDWUDID S HV R E VDED
QEIHQHDXOI VQR HQF DDX DV GJUR 8 QDP H
GWDyQP i VSURBQ DDP HSHV Dgy GHT HLSR
GD GHIGLP H SRU FRP SDDX UQ QFILED D P DDX
VJ URV SRU Q EIHQ VJ UR 9 HD T H HWD H
S HDX D Q SHDUR HWIP R REOGR DE VDU
FRQ WRGDV P IV I HUV Q UHP HGR D QT HI HD
IQHJ UR FRP R HOHQHP R JUDHT H F DQGR SUHP
QDP HWVHJ UDVLQR UH WHDDQ QUP HGR VH
YH IP SHGR DE VDGR FRQ WRGDV V VI HUV SRU
IQHDX T HVD S HVFRQWW HWGDV HSHDQ D
KRUDEIHQ OVRVADVT HHQY QR SHWJ HQR VQ
QR RIUHQHQ QUP HGR SDDOFRQHYDyQGH
Q HDXR VH VQR T HOP SIGHQ VRQ DP HQ GR
FD VDGHU IQDGHQVT HOVSRVHQ VHP SUHD
VDGHP HWACHQVS RVHGRVS RUHOV
6RQQ P HRVRVQVHMP S QVGHKRP EUVT H
DFD VDGHV VUT HUVKDQV IUGR QDSHMF FlyQ
T H OJy KDWOP P HWI WP ElpQ CH KRP EUV
T H SRUDGT IUEILQH VHHS VHRQDWQRVSHD
JURVT H DEDRQSRUSD DUV GHDXQR FRQ OYIGD
QR VRQP HQRVQ P HRVRVQVHMP S QVGHT IHQH

HP RWDDHP RVP i VF IGDRVP HQMHWS QX

V I U H R Q F U H P H Q W S R U D G T I I U R F R Q M Y D U H K R
 Q R U , Q Q P H D E O V H Q I I Q V R Q Q V H M P S Q V G H I T H
 Q V T H K D Q I S U V U D Q R V P H W W S R U H O H F H R G H
 S O M H U 3 R U Q C P i V H R V P D D V S D I H D Q S U R Y H Q U
 G H T H W X G D Q H W D I H D E C D G R I Q H D E C D G U H G H H Q
 Q V Q S Q X i T p F D H G H R E M X H W P R V L S H
 J D G R V S R U H D P R U (Q H H W X Q T H Q R V H D P D Q R
 H Q H Q G D Q Q F D G V S W D Q R H W D P R V W W W V L V H
 S I H G H Q V H Q W H P R V H Q M G D V L F D H Q S R V H M y Q G H
 R W R Q L W P R U Q L R G R H Q Q D S D D E D Q Q Q D
 F R Q P R H y Q G H D D Q D 3 H R H W D V S D M R Q H V R Q Q H V
 W D K H H Q F D F D Q R D P D P R V F R V D V S H H H G H D V F R
 P R D T H Q Q V G H T H K P R V K D E D G R O D V H D P R U
 K D D I D Q D F R V D H M Q D H I Q I Q W D D P H Q W H D D P D F R Q
 Q D D Q J U D S U D H H Q W G D W W W D E H Q J U D Q
 G P H Q W G H M D E O I T H P H H H V H E V D Q R F R Q W X
 G V Q H W D V I H D V 3 R U F H W X Q R K H H F U N X V Q
 U D y Q H W W S D D E D V V Q V L S R G D U H M I R Q D U H D
 P H Q M 3 H V S R U P i V F D D P H Q M T H P L H S t U W
 S H F E H D Q T H S U H G H D Q Q R S R G D G H S U H Q
 G H P H S R U H Q M R G H W G D D I G H G H M R G H S O M H U
 G H J Q U D

8 Q V Q S Q X H D F D O R P I H Q W D V P L H S t U W
 H W D E D H Q M H D C R D W D D P H Q M F R Q H V V H D S D W E D G H
 D V F R V D V S H H H G H D V V H D P H Q M S H Q M D H Q P

75 7 2 (5 () 250 ((17(1 , 0 , (172

IQWWHly QGH QDYIGDQ HYD (WRI HSDUDP t J UQ
FRQV HR S HVYLT HHDOP DQQR HDGH QDWUDID
IWHP HGEOMI QT HHMRVIQWYDBVI HRQDOSUQ
HSIR UDRV GHEUHMG UDlyQ DP HGGDT HRRQRF
HGDYH P i VHOHGDHR EIHQ VHKEHHRQP i VIUH
F HQW SURQDGRV VREUHWGR F DQQR REVLYp
T HHODXARUDU HOSOFHU OJ QUDWYQ VRQSHMGL
HEDV HQ WQW VHOVSHWJ HSRUV P IVP RV QR
FRP R P HGRVSDDRWVIIQV CHRQWDIR VLHOU
E VEDFRP R P HGRV Q QFDH HGHJQ GHFHWDOP H
GID OEWV GH SHMGEDU FRQWE IJQ P FKR D
OJ UDUHONQ T H QR VH SUSRQH FRP R P RWQDH
P RVDV WEP SR

T t WQ QIP EWHMP HQWQ T H HQWQQR
SRUEIHQ YHGDHR WP ElpQ T p HV HOVREHIDQR
EIHQ 3DDHQWQHQ UFWP HQW HVSHV DGYHWU
T HEHQ P DOWHSUHQ HQIRUP DS UDP HQWUH
OEWV T H QDVRW P IVP DFRVDS GHVWUOP D
OEHQ P DOWVJ Q FRP R VH O FRQMGHH Q
P IVP R RF WHFRQ SHIHFW Q IP SHIHFW 1 IQ
J QDFRD HQHHFW FRQMGHH DQHV SRSIDQDW
UDID SRGJ OOP DWH SHIHFW R IP SHIHFW VREUH
WGR F DQGR VDEP RVT HF DQW V HGHVF P SOI
VJ QHORUHQHWQ OVOHIVGHMP IQDEVGHQ
QDWUDID 3HR FRP R OIOIT HDK P DQDQRS GH

DEUD DUHWIRLGHQ FRQHOS HQDP IIQW FRQHEHSRU
 HR QDQDWUDI DK P DQDP V SHIRUHQI HUDD
 ODV D FRP R QR YHT HQDDOHP SIGDGT IJU
 QDWP HQWAI HWIP S QDDDE WDUQVP HGRV
 T HOFRQG FDQDHDSHIIHyQ 7 RGR QT HGW
 GH HQWQHVS GHVYILOI GH P HGR SDD OJDUD
 HODHOP DGR EIHQYHGDHR HVFRQMGHDOR EIHQ
 VREHDQR OJDUDGMU WU FRQRWRVIQGYIG RVVLHV
 SRVIEOI GH HD QDWUDIDV SHIRU i OHV S HV
 HDQDWUDIDV DH SRQGHP RVHQV OJDUFRUHV
 SRQGEQW P RWTDHP RVT HHV HOFRQRHP IIQW
 GHQ QT HWQHOP HQWFRQ OJDUDIDH
 WID 7 DOHV S HV HODQDT HWQGR DGT IJUHD
 QDWUDIDV SHIRU KDHUF DQW S HGSDDT H
 P HKRV OJDGT IIHQ FRQP JLR S HVWP ElpQ SHWA
 QHIDP LIHQDG HMRUDP HSDDT HRWRV FR
 QR FDQ FODHP HQW QT H HV FODR SDD Pt GH
 P DQHDT HV HQWQGP IIQW V VGHMRVFRQF HU
 GHQSQQP HQWFRQP LSURSIR HQWQGP IIQW FRQ
 P LSURSIR GHMR 3DODQJDUDHWIHQHVQHMDIR
 WQUGHQD1 DWUDID QDFRP SUHQMyQT HEDW
 SDDGT IJUHDQDWUDID DGP i VFRQWWIU QD

(WQVHHSQDFRQP DRUDP SOWGHQHOOJ DUFRUHSRQ
 GHQW

75 7 2 (5 () 250 ((17(1 , 0 , (172

VRFELGG WOFRP R VHUT LHH SDD T H HOP DRU
QP HR SRMEOI OJ HDHH IIQ WQ IHO VH UD
PHQWFRP R VHS HGD D T HGGEDWMOHJR DØ
) IQVRItDP RUO DØ IQFDGHØHG FDHyQ FR
PR ØVDOGQR HV QP HGR GHGHDØIS DDFRQH
J IU HH IIQ VHID QHMDIR FUDU QD 0 HEEQD
SHIHFØ FRP R HQIIQ HODWY HOHli HØWP FKDW
FRWDV GLtFOW DKKUDWEP SR DP HQØØVFRP R
GØGHVCHØYICD QR GEHJ VUGHF IGØDØDØ H
E QED 3HR DQWWRGR KD T HSHQDUHQ HOP HGR
GH F UDQ HOHQWQGP IQW GRHS UUEDØR KDWØ
GRQGHVHDSRMEØIDOFRP IQR GHP RGR T HERQR
FDØØFRWDVi HØ HQM VQ HIRU QP HAUUSRMEOI
HIGHDKRUDS HCHYHWT HT IHR GUJLWGRGVØV
HQLHVD QVRØ IIQ D QVRØ SURSy VØK T HH
ØJ DUDØV SUP DSHIHFyQ K P DØGHT HKH
P RVKDEØR WRGR ØT HHQØVHQLHVDQR QRVKD
FHMDQ DUKDIDQ HWØR IIQGEHJ GHMHDWFRP R
IQ WOHQWQDSDEUD WRGRVQ HWØRVDWV SHQD
P IQWV GEHJQ GUJLWHDHH IIQ 3HR P IQWV
QRVHMRUDP RVSRUDIDQ DØR SRUØMDUQ HWØR
HQWQGP IQW SRUHOUFW FRP IQR HVQHMDIR YL

6HYH T HP HØP WØ DHQ P HDUØV HQLHVD QHMDIV
SDDQ HWØR IIQ VQWQHØQF HQØV HQDØHØP IQW

YIU HWWP RV S HV REQ DGRV DQWVWGR DHWWDFHU
 DQ QDV UH OVT H US WWP RVE HQW T H VRQ
 pWW

, DEOUVJ QOHS DFGCHG CHOY ØR KD
 HU DV P RGR WGR ØT HQR QRVIP SIGDDQ DU
 Q HWR SRSy VWR J DQDHP RV EDWWQW FRQ pOFRQ
 WOT H HQ ØP HGLGCHØ SRMEØI FRQGHFHQGP RV
 FRQV P DQHDGHYHU HFRQWDHP RVDt RrGRVGV
 S HWRVDHF HKDUØYHCG

,, * R DUGHØVSØFHIVMWØP HQWØR QHH
 VDUR SDDFRQHYDUØVDOG

,, 3RU ØP R E VDUHOGQHR R F DØ IJU
 RWR EHQP DWUDQMP HWWVWØR HQF DQW HVQHH
 VDUR SDDFRQHYDUØVDOG SDDFRQ
 IRUP DQRVFRQ ØV VRVVRHLDØT HQR VHSRQ DQ
 DQ HWR IIQ

(WØFHIGDVHWWUH ØV P HS RQ R DØWDH
 P H GHEER DQWVWGR DØT HWEQHSUØlyQ HV
 GHFU DUHRUP DUHOHQWQGP IIQW DYROHØR DSW
 SDDFRQFHUØV FRDV FRP R HV SUHJR SDDØJ UDU
 Q HWR IIQ 3DDHWW HORUHQ QDWUDHJHT HUH
 YMHWRGRV ØV P RGRV GHSHF\$HyQT H KH VDR
 KDWDKRUDSDDDIUP DUR QJ DUFRQ FHWD DIIQ

D HQ ØV HILQHV QIIQ QER DDF DOGEHQ VHWGCV
 GUJIGDV

75 7 2 (5 () 250 ((17(1 , 0 , (172

GIFMRJ HUHOP HWU GHIP SHIDUDOP IVP R WEP SRD
FRQRFHUP IVI HUV P LQDWUDID T HGMR SHU
IHFIRQDU

6LGW UR FRQDWQHyQ & P HMT HS H
GR KDFHU HV UG FIU HMRV P RGRV GH SHFHSHyQ D
F DWR

, (IWA QDSHHSHyQ DGT IUGDGHRTGW
R P HGDQWDQ QR FRQHQFRQDDEWDIR

,, (IWA QDSHHSHyQ DGT IUGDSRUH
SHIQFDYJD HV GHEU SRU QDH SHIQFDT HQR
HW CHWP IQGDSRUH OHQWQGP ILQW VHOOP DDt
SRUT H DGT IUGD IRUWWDQ HQW QR FRQWDGEKD
SRURWDQDQ V ENWIHQ QRVRWRV FRP R IQT H
EUQMEOI

,,, (IWA QDSHHSHyQ HQT HOFHMQHD
GH QD FRVD VH IQHWH GH RWD SHR QR DGF DQ
P HQW FRP R RF WH F DQGR GH Q HHWR IQHL
P RV DQD R EHQ F DQGR QD FRQPOWQ VH

(QVP HMDWEDR QR FRQRHFP RVCHOFD VDVAQR & T H
REHYDP RVHQ HOHHWR HWK VHYHV IHLQXP HQWASRT H
HQXQFH VYQ SRCP RV KDFDUGH HODHQ QV WUP IQRVP i V
JHQHDDV KD S HV DQ QDFRD KD S HV DQ QSRGU HW
2 WUP ElpQ HQ WUP IQRV QH DXYRV SRU FRQJL ILQW QR HV
HWK QLDT HQR HW (QHOP HMDWEDR VHDWE HDOFD VD
HQ YIWG HOHHWR DQ QDFRD T HVHSHEHFDQD HQW
FRP R Q P RWWDHP RVP HGLQW Q HMP SQ SHR VYQ DIU
P DQD RVV VSURSILGQH QR OPHMQHDSIDWQ DUGHOFRD

HWDHGHDQ QFDJFWUJ HQHDOVLP SUHDRP SBD
GR GHEHWSURSHG

,9 (IWIHQIIQ QDSHHSFyQHQOF DO
WFRVDHVSHIELGDSRUV VRDHFQFLDR SRUHDFR
QRFP IHQXGHV FD VDSUJ IP D

FODIP FRQ IHP SQV WGRV HWRV HDRV
HRtGVyQ FRQR FR HGDGHP LQDIP IHQX T H
KHWQGR WWDVSDDHV RWIDVFRVDVVP HMDW GH
OWT HMP iV KH G GOR 3RUHSHLQFD YJD Vp
T HP RULP HQHHWQ QDIP RSRUT HKHYWKP R
ULDRWRVVP HMDWDP t DQT HQR KD DQ YIIGR
WGRVHOP IVP R SHGR GRWLP SR QLP HWR GHOF
P IVP D HQHP HGD 7DP ElQ SRUHSHLQFD YJD
Vp T HHODHWWHV QDV WQFLDSWSDDDDP HQDU
WODD P D T HHDJ DQ HV SDD DSD DOD Vp GH
P IVP R P RGR T HHOSHUR HV QDQP DDT HODD
HKRP EIH QDQP DODERQO Df KHSUHQGR FDL
WGR Q T HVHUIHHDCRV RVCGp OYIGD 9 HD RV
DKRD FyP R IQHIP RV QD FRVD CH RWD DQGR
SHIELP RV FODIP HQMT HVHQXP RV HWA F HSR
QR RWR GHQO IQHIP RVT HHVFOOR T HHODD D
HW QGD DDF H\$R T HHWD QyQHOFD VDGH

RQ HWIHP SQV VHYHFOIP HQMT T HIDER GHKDHU
QWDU3 HSRUWQ QyQQR FRP SUQGP RVQDDI HDGHOF

75 7 2 (5 () 250 ((17(1 , 0 , (172

HMDVHQDlyQ SHR QR SRUHR SRGP RV VDEHUE
VROWP HQW HQ T H FRQWVW HWD VQDlyQ R HWD
QyQ HJ DOP RGR F DQGR FRQR FR OQDWUDID
GHODYVWQ ODSURSIHGHDHODFRUHSRQGHQWICH
T H QP IVP R REMW YW DJ UDQ GWWQFDSDH
Pi VSHT H R T H VL Q YpUDP RV GH HHD S HGR
FRQFOIU T HHORCHVP DRUGHQ T HP HISDH
RWIVSURSRVIRQHV VP HQW (Q IIQ QDFRD
HVSHEIGDSRUV VRQHMQFD DQGR SRUHOKH
HKR P IVP R GHT HFRQR FR DOP Vp T p HVFRQRFHU
DQ QDFRD R EIQF DQGR SRUHFRQRFIP HQW T H
SRVHR GH OQHMQFD GHODD D Vp T H HW QGD DO
F H\$R 3RUHWAP IVP R P RGR GHFRQRFIP HQW VD
EHP RVT HGRV WHVVRQHQR T HGRVQQHDVSD
UDWDVD QDWIFHDVRQ SDWDVD HQWV H W 6IQ
HP EDJR VRQ P SRHV OQFRDV T HKHSRGCR

VQDlyQP IVP D GHF R HHW KIP RVIQHIGR OED VD GH
OQF DQGQDVEHP RV

7 DDFRQFOVQ D QT HHHW HVSFRV VJ UD DP HQRT H
VHWIP HQP FKDVSDP FIRQV 6LQR VHSURFHIDt VHFQH
IQP HGDXP HQWHQHURU HQHFW F DQGR VHFRQHEHQDV
FRDVGHHWAP RGR DEWDW QR SRUV HMQFDYHGHD
OIP DJQDlyQ SURG FHQ VJ IGDFRQI VRQV 3 HVSRUO
IP DJQDlyQ QBVKRP EUVHUSUHQWQR QR FRP R P CW
SOI DOVF DQGQDVEHP FRQHEIGDVDEWDV VSDWD FRQI VD
P HQW CDQ QV QRP EUV T H LP SDDQ SDD GHJ QD FRDV
Pi VIOP IGDHV SRUQ F DQGQDIP DJQDQ GHOP IVP DP DQHD
T HDT HODDOVF DQMKQES OEDRSUP HR FRVQRP EUV

FRQRHUKDWDRUDSRU Q FRQRHPIIHQW VHP HQ
W

3DDDT HHWW VH HQEQDP HAU VDφ Q
HMP SQR QER GORV WHV Q P HRV VH E VD Q
F DWW T HVDDOWFHR FRP R HOMJ QGR HVDOUL
P HR RV FRP HFLQW QRV GLWQ USHWQDP HQW
T H VDEHQ Q T H GEH KDFHWH SDD HQFRQWDU HO
F DWW SRUT H QR KDD ROIGGR DQ HOSURFHG
P IIHQW VIQ GHP RWWDlyQ T H DSUHQGHQRQ GH VV
P DHWRV 2 WRV GHG FHQ GHΦ H SHIHQFD GH QV
HDRV VHP SOW Q SUQFISIR QYHWD F DQGR HO
F DWW Q P HR HVFRQRFGR FRP R HQΦSURSRUHyQ

ΦH SHIHQFDP HWDT HGYIGHQGR SRU
HOSUP HR HOSURG FWK GHOMJ QGR GHOMFHR VH
REWQHFRP R FRIHQWHDQ P HR DOREWQHSRU
HWDRSHDlyQ HOP DVP R Q P HR T H DVQ HODD
EDQ HDHOF DWW SURSRUFHQDOE VDQGR FRQFO HQ
GHDK T HHWDRSHDlyQ SHP IWKDDUVP SUHHO
F DWW Q P HR SURSRUFHQDO RVP DVP i WERV ED
VGRV HQΦGHP RWWDlyQ GH(POGV SURSRVHyQ

QEIR 9,, VDHQF i ΦVQ P HRVVRQSURSRUFHR
QDOWHQWHV Q T HGG FHQ GHΦQDWDDIDCHΦ
SURSRUHyQ GHΦ SURSIHG GRUHSRQGHQW GH
T HHOSURG FWK GHOSUP HUWUP IQR GHOF DWW HV
J DODOSURG FWK GHOMJ QGR GHOMFHR 1 R YHQ

75 7 2 (5 () 250 ((17(1 , 0 , (172

VQHP EDJ R DGF DGP HQM ODS URS RUFRQ DGGH
GVQ P HRV GGRV VLQYHQ QR HVHQ YLW GGH
SURSRMELyQ GH (FOGV VQR IQWVWD P HQM VQ
RSHDHyQ DQD QD 3DDHMRJ HULKRUDHOP HNUHQWH
HRV P HGRV GH SHFHS HyQ HV SUHFR HQ P HDU
EJMP HQM GV P HGRV QHHDRV SDD OJDU D
Q HWXR IIQ DVDEHU

, RQRHUUH DWP HQM Q HWWDQDWUDID
T H T HHP RV SHUHHIRQDU SRVHU WP ElpQ Q
FRQRFIP HQX V IELQWGHQDQDWUDID GHQVRVDV

,, 3DDIQLHJUDM UFWP HQMOWGIH HQLDV
OVMHP HIIQ DV OVRSRMELRQHV CHQVRVDV

,,, 3DD FRQHEIU UFWP HQM Q T H VH
S HCH QT HQR VHS HCHKDFHFRQHQOV

,9 IIQ GHEFP SDIJDHMHUV OOR FRQ O
QDWUDID HOSRGHUGOKRP EH RQ HQ VHYH
Li HQM ODDSHUHHyQDT HHOKRP EHHS HGH
OJDU

7UDV HWWD FRQMGHDIRQHV YHP RV T p
P RGR GHSHFHS HyQ GHEHVUHMRJ LCR

(QF DQW DOSUP HR HV HMGHQWT HGH
RGV DGP i VGH T HHWAP RGR HVP IQFHWR QR
SHFIEIP RVHM QHDDQD QDGHQFRVD FRP R Q CHWD
HDQ HWXR HMP SQT 3HR FRP R W Q SRGHP RVFRQR
HUFH HWWQHDVQ OUGH QDFRVDVLFRQRHP RV

V HMQHD FRP R VHYHJ OHJ R UV OOT HOFHW
 G P EUH DGT IJGHD GH RTGDV GEH H FOIWH GH OV
 HMQFDV 3 RUVIP SOID GEHyQ HQHHW VQ QDWW
 SUYR GHQHQWQIP IHQW SURSIR QDHS HCH VH
 DHFWGR

(QF DWW DOMJ QCR P RGR WIP SRFR VH
 S HCH GHUT HVHD OIHD GH OSURSRH HyQT H
 E VFD GP i V GHT HHW FRQRFP IHQW HV KDW
 IQFHWW Q QFD GHQWYR MP i V VH SHFELW SRU
 H SHLHQDYD VQFRQFDVQWGH OVFRVGH
 OI DWUDID GH OVT HWQ WQHP RVIGH FODVL
 FRQRFP RV SUYR HQW OV HMQFDV HEH S HV
 GMFKDWHOSH SHLHQDYD

5 HSFWK GHOMHUP RCR GEHP RV GHFL
 T HQVGD OIHDGH QDFRD QRVSHP IWADDU
 FRQFOVRQHVQSHJUR GHURU VQHP EDJR QR HV
 SRUV P IVP R Q P HGR SDDQJ UUQ HWD SHHF
 HyQ

6yQ HOF DWW P RGR ISUHKHQHDF DOD
 P HQW OV HMQHD GH QDFRD VQ SHJUR GHURU
 SRUQT HGEHP RV WODDB SUQHSDD HQW yP R
 HP SODMR SDDQJ UUQ HOF FRVGH FRQRFGV Q

DEOFp LT t DDP P i V DP SODP HQW GH OIHSHLQD
 HDP IQDp HCP pWGR GHQVIP StUERV GHQVQ HYRVIGVR
 IRV

75 7 2 (5 () 250 ((17(1 , 0 , (172

FRQRHFP IHQX POUR FyP R OJDHP RVDpOP i VGL
UHWIP HQM HVQT HIQWQDHP RVHSQDU
RP R VDHP RVDRUDT p PDMGHFRQRL
P IHQX QHHWIP RV GHFP RV IQGEDU HO DP IQR
0 pWGR SRUQVF DDV OJDHP RVDFRQRHUYHGD
GHDP HQM OVRWDV 3 UHFR VHJ REHYDUDQWAWGR
T HQR VHWDWDT t GH QDE VT HGDIQIQU SDD
KDOUHCP HWUP pWGR CHIQMHWJDFlyQ GHQYHGDG
QR QHHWIP RV QP pWGR SRUHF DDE VT HP RV
HWIP pWGR CHIQMHWJDFlyQ SDD DE VFDUHWVH
J QGR P pWGR QR QHHWIP RV Q WIFHR D^t
KDQHOIQU S HVGHWIP RGR QR OJDHP RV
MP i VDORQRFP IHQX GHQYHGDG QD Q DFRQR
FP IHQX DQ QR 6 FHGHIT t Q P DQ R T HFRQBV
IQWIP HQRVP DMDDV DFHDGHQVF DDV VHRUL
JIQMD QUDRQP IHQX VP HQM (QHHW SDD
IRUMUHOKHUR VHUT IHH QP DDXOR SDDWQHU
QP DDXOR KD T HKDHR SDDHR VHQHMD Q
P DDXOR RWRV IQWIP HQRVP SDD SRVHU HWRV
IQWIP HQRVP VH UT IHH RWRV RWRV DQ D^t
KDQHOIQU 3 RUHR SRGID IQWQDHSUREDU
D QT HYDQP HQM T HGVKRP EUVFDHfq GHSR
GHUSDD IRUMUHOKHUR (Q UHDGG BV KRP EUV
KDQ SRGGR FRQ QV IQWIP HQRVP QDWUDV DQ
T HFRQ P HKR WEDK HIP SHHFWD HQM CDUH

P D^WA D F^WH^WV REUDV IDH^WMP DV H J R SDDDRQ D
 RW^WD^WP i V GLtF^WV FRQP HQRVW^WED^W FRQUH^WD
 HyQ P i V SHUHF^W DM JUDG D^W HQ^WA CHGH QV
 W^WED^WV P i V V^WP S^WVD^WQV IQW^WP HQ^WV CHpW^WV D
 RW^WRV W^WED^WV DRW^WRV IQW^WP HQ^WV OJ^WJURQ SRU
 Q SURJ UHR FRQW^WQV D^WMF W^WWQ^WV W^WQ GLtFL
 O^WV REUDV FRQSRT t^WP D^WDHQD 7 DP E^WpQ HOHQWQGL
 P I^WHQ^W FRQ V I H^WUDQ^WYD V^WIRU^WDIQW^WP HQ^WV
 IQW^WDFW^WD^WV SRU QV F D^WV OJ^WJURW^WI H^WUDSDD
 UH^WD^WDU RW^WD^W REUDV IQW^WDFW^WD^WV GH pW^WV H W^WD^W
 RW^WRV IQW^WP HQ^WV HVGH^WLU HOSRGHUGH^WD^WQ^WUV
 IQMHW^WJ D^WHyQ FRQW^WQ D^Wt SURJ UHDQGR KDW^WO^WI
 J JUD^WD^WVEIG UD 4 HD^Wt V FGH SDD HOHQWQGL
 P I^WHQ^W VH^W Li F^WIOH^W FRQW^WQHT HVFRP SUHQGD
 HQ T p FRQW^WW^WA HOP pW^WGR GH IQMHW^WJ D^WHyQ GH O^W
 YHG^WG F i O^WVVRQ H^WRV IQW^WP HQ^WV QDW^WD^WV SRU
 F D^WVW^WD^W GDIRU^WDRW^WRV^WT HOISHP I^WQ D^WDQ DU
 3 D^WDP RW^WD^WQ SURFH^WGH^W D^Wt

3 RUI H^WUDQ^WYDHQ^WQGR Q T H^WQ R HVRIJLQD^WR HQ QVR
 WRVS RUFD VD^WH W^WRUHV FRP R H S^WED^W HQ P L) IQVRI^WD
 DV^WO^WP R V^WP S^WOP HQ^WREUDV HQ P L) IQVRI^WD^WH S^WED^W HQ
 T p FRQW^WW^WQ

75 7 2 (5 () 250 ((17(1 , 0 , (172

DIGHD YHGDHD S HWWQHP RV QDIGHD
YHGDHD HFRNDGWQWDGHDT HQ GHQ F DOHO
HWQDGH DQRNDHVHORUF Q RWDQDIGHDGHORU
F Q DIGHDGHORUF Q QR HV QREMX FRQHQX
SHLHHD FRP R HORUF Q SDHMP HQM QDIGHDGH
QF HSR QR HVHMP IVP R F HSR 3 HWX T HHV
GWWQWDGHDT HQ CHT HHWQDGH VJ WP ElpQHQ
V P IVP DFRQRHEOI HVGHUT HWDIGHDFRQIGHDGD
HQV HHQFDIRUP DOS HCHVUREMX GHRWDHMHQ
FDREMXWD DV YH HWDHMQFDREMXWD FRQL
GHDD HQ V P IVP D VJ DQ QD FRND UHD
FRQRHEOI Df IQGHIQGEDP HQM

3 HGR SRUHMP S Q HV QREMX UHD QDIGHD
YHGDHDGH3 HGR HV QDREMXWDGH3 HGR
T HHVWP ElpQHQ V P IVP DFRVDUHD HQMDP HQM
GWWQWDGH3 HGR P IVP R DOR S HV T HWDIGHDGH
3 HGR HV DQ QD FRNDUHD FRQV SHF QDUHMQFD
VJ WP ElpQ HOREMX GHRWDIGHDT HFRQWQGJ
REMXWDP HQM HQ V WGR Q T HWDIGHDGH3 HGR
FRQWQHIRUP DQ HQM DV YH HWDIGHD F R RE
MXR VJ QDIGHDGHQDIGHDGH3 HGR WQGJ WP ElpQ
V HMQFD T HJ DQ HQM SRGJ VJ HOREMX GH

2 ElpQHMT HGR VQ GHFP RV GHP RWWDQRT HDER
GHGHUT VGR WP ElpQ HMGQFDUT HKP RVVJ LGR QDUHW
YD DQRWDFRWDUT HHVTP QHMDJR VDEHOD

QDQ HYDIGH D^t IQHIIQGP HQM (VQT HFD
 G QR S HGHHSHP HQMUDOMUT HLVDEHQT H
 3HGR HV VDEHT HVEH W^p ElpQ VDEHT HVEH
 T HQR VDEH HW 3RUHR SDDFRQRHJUOHHQDGH
 3HGR QR HVQHMDIR T HHQHQGP I^tHQX FRQR FD
 OIGDP I^p DGH3HGR P HQRVDQ OIGDGH^o
 IGDGH3HGR QT HT IHHGHUT HSDDVDEHQR
 QHMK VDEHUT HV^p P HQRVDQ VDEHUT HV^p T H
 V^p FRP R SDDFRQRHJUOHHQDGHOWLQ QR HV
 QHMDIR FRQRHJUOHHORUF QR (QHMWIGHDV
 HHGQR FRQWDIR SDDVDEHUT HV^p HVQHMDIR T H
 VSD DQWURUP HQM 6tj HHGHD^t HMGHQWP HQM
 T HOFHWG P EUHQR HV^p i VT HOFHMQFIDREMYD
 P I^p D HVGHUT HOP DQHDFRP R SHFELP RV^o
 HMQFD REMYD HV^o HWD P I^p D 3RU HQR HV
 W^p ElpQ HMGHQWT HSDDS RVHUOHHWG P EUHGH
 OYHGCGQR VHUT IHHQODI HDGHOSRVHMyQGH
 OIGDYHGDGD S HV DKG RVP RWDR T HSDD
 VDEHQR QHMK VDEHUT HV^p HGT t UV OOWP
 ElpQ P DQHMK T HVQS HGVDEHUT p HV^oV
 SUP DFHWG P EUHOT HSRVD OIGDDGF DDR

6HDGYHWG T HQR IQEJD RVIT t SRUT p HVIQDOWO
 SUP HDHMQFIDREMYD S HVHWSUREOP DFRUASRQGHDO
 HWGR GHQDWUDID GRQGHVP i VD^t S^t IQMHS^tD
 GR GRQGHVHGP HWDDOP I^p R W^p SR T HI HDGH^o
 IGDQR HWDIDIP D^tLyQ QLQJ D^tLyQ QLYROQWGP QD

75 7 2 (5 () 250 ((17(1 , 0 , (172

ΦΗΜΗΟΙΔΡΕΜΜYDGH QDFRD HΟΙ HVQHMDUR
SRUT HHWIG P EIH HMHQIDREMYYDVRQ&P IVP R
3 HWX T H Φ YHCGG QR UHT IHH VJQR DΦ QR
ELWDSRVHUOVHMHQIDREMYYDVGHΦVFRDVVR &
T HHV&P IVP R ΦVIGHVGHΦVFRDV SDDGHDU
WUWCGDG CD UV &T HHQYHCGHR P pWGR QR
FRQWVWVHQE VHUVHOMJQR SRUHOF DOHUVFRQRFHΦ
YHCGGHS pVGHΦDGT MHyQGHΦVIGHV HOMU
CGHR P pWGR HVHOEDP IQR SRUHOF DOΦYHCG
P IVP D R ΦVHMHQIDREMYYDVGHΦVFRDV R VV
ICHV WGRVHWVWUP IQRVWJ QLHQDQ&P IVP R VRQ
E VEGGV HQ HORUGHQ GEIGR 3RU & GHP iV HO
P pWGR GEH QHMDUP HQM WDXU GH UD RQD
P IHQW GHΦIQWDFHyQ HVGHU HOP pWGR QR HV
HOUDRQP IHQW P IVP R SRUHOF DOFRQRFHΦ RV ΦV
FD VDVGHΦVFRDV P HQRVD QHΦFRQRFHΦ IHQW GH
HWVFD VD VFRQWVWVHQ FRP SUHQGU&T HHV QD
ICHYHCGHD GWQ ILOGH RWDV SHFHSFRQHV
HWGLUV QDWUDID DIQGHΦJ DUDFRP SUHQGU
Q HWX SRGHUGHFRQRFHU REΦDUDQ HWX HSt
UV DERQRFHU VJ Q HWDQRUP D WGR &T HGEGH
VHUFQRFHIGR WD DΦI DGP iV DP DQHDGHD ID
UV UJ ΦVWJ UVT HΟΙKRUHQIQ WΦVIDW DV 3RU

(QT p FRQWVWVHDE VT HGDHQHCD D&H SΦED
PL) KΩNRTd

FRQMJ IJHQW HOO pWGR QR HV P i VT H HOFRQREL
 P IJQW UHOTIYR R OIJDGHQDGD FRP R QR KD
 IGDGHQDGDVQDGDQR KDVG R GDDSDUHDP HQ
 W QR KDU P pWGR VL QDGDQR KDVG R GDD
 SUHDP HQW (O E HQ P pWGR HV S HV HOT H
 P HWDFyP R HOHSUW GEHWUGUJGR VJ QO
 QRUP DGDGDYHGHD

RP R OUDHlyQHQWGRVIGHDVHVOP IV
 P DT H OGDH OV HMQFLV IRUP DODV GH HWW IGDV
 VJ HHT HHOFRQREP IJQW UHOTIYR GHQDGDG
 6HUP i VSHIHFV HVV SHIRUDFRQREP IJQW UHOT
 IYR GHODGP i VIGHDV HOP pWGR P i VSHIHFV VH
 U S HV HOT HP HWDFyP R GEHGUJLW H
 HSUW V VHYHJ Li FIO HQW FyP R HOHSUW D
 P HGDT HV FRQREP IJQW DEDFDP i VFRDV DG
 T IHHQ HVRVIQW P HQWVT HOISHP IWDQDQ DU
 FRQ P DRUIDDQG QWGR HQ HHFV FRP R
 V J HGHQT HKHGEKR GEHHIWWHQ QRVRWV
 FRP R QIQW P HQW IQDQ OIJDGYHGHD F R
 FRQREP IJQW QRV KJD FRP SUQGU OIHHQD
 HWWQW HQW QDSHFS FlyQGHWDSHEH V
 GVOVGP i V (QHR FRQW QDSDWIGOP pW
 GR RP R VH FRP SUQGU SRU RWD SDW T H
 HSUW VHFRQRHWWQW P HMF DQW P i VHWWQR

75 7 2 (5 () 250 ((17(1 , 0 , (172

VHDV FRQRFP IHQX GHODQWUDI D FODR HW T H
HWDSUP HDSDWCHOP pWGR VHJ WQX P i VSHU
IHWD F DQWV P i V FRVDV FRQR FDHOHS tUW VH
SHIHWD HQ HOP DV DQJUDCR F DQCR HOHS tUW VH
FRQWJD D DWQWDP HQWDOFRQRFP IHQX GHODHUP i V
SHIHWD R UHOI IRQH VREUHe O (Q VH QCR OJ DU
F DQWV P i V FRVDV VSDHOHS tUW WQX P HAUFR
QRHJ V VSURSILVI HUDV HORUHQGHODI DWUDI
D F DQX P HAUFRQR FDV VSURSILVI HUDV P i V
Li HQWIS HCH GJLJWH GDWUH UJ ODV F DQX
P HAUFRQR FDHORUHQGHODI DWUDI D P i V Li HO
P HQWIS HCH HWWD SURFHGP IHQXV IQ WODV HQ
HWX FRQWWDWGR HOP pWGR T HDDEDP RV GH
SRQHU JUJ IP RV T H ODICHD HV REMWWD HQW
DT HQ P DIP RT HHV REMWWD HQW 6LH IWH
UDS HV HQODI DWUDI DDQ DQFRVDT HQR WYHD
FRP HFR DQ QR FRQ RWWD V SRQHQGR T HHIV
WID GHWD FRVD QDHQFDREMWD T HVHDFRU
GDD HQWDP HQWFRQ V HMQFD IRUP DO WDP SRFR

(QOJDUCHOWUP IQR CDH UCDR SRUYDQ9 , RWQ DQG
FUR FRQ HRSRO T HGHEHSUHHLHGDUWT HHVHQHODV
2 SHD RV PD ODWDP HHyQ KRDQGHGDH KHKD VH
J QSDHH CHOP DQ VFUNK RUJLQDOV SUP HHQWDP HQWODV
SDDELV UCD UP i VIQfP RGEVT H WODV HOMHQGR VHID
S HV ODHMQFDREMWD GH HWD FRVD QR WQGD WDP SRFR
HW 1 RWQGH SS KQ

WQGD FRP HFR DQ QR FRQ RWIDVIGHV HV GHU
 T HQDGSRGIDP RVCHG HUGHHQ 3RUHFRQWD
 UR OVFRVDVT HWLQHQ FRP HFR FRQ RWIDV FRP R
 WGDVODVT HH LWQHQ QDQWUDV D VHJQ FRQRFL
 GDV V VHMQLDV REMYDV WQGJQ HQWHV HOP IV
 P R FRP HFR HV GHU T H GH HOV VH CHG HVQ
 RWIDVIGHV OVF DQWQGJQDV YH FRP HFR FRQ
 RWIDV DQ DQ DQ Q HMRV IQWP HQXV SDDU
 DQDQW (WQ HVQ T HT HDP RVCHP RWIDU 3DD
 SURHJ IU HQIIQ FRQGEKR QDP DP HQW HVGHU
 T HODIGDGHDRUGDWHQWD HQWFRQODHQ
 FDIRUP DFRUHSRQGHQW VJ HMFRQODQGDT H
 GH QDP DQHDJ HQHDSDDSUHQW QF DGR GH
 ODI DWUDQD Q HWR HSUW GEHGHDWGDV V
 ICHVGHOT HUSUHQWODI HQW HORUHQ CHO
 1 DWUDQD HQWD GHP RGR T HHWDIGDWDWP
 ElpQODI HQWCHODVGP i VIGHV

FDR DRP EUHT HGWS pVGHKDEHUGEKR
 T HHOE HQP pWGR HVHOT HP HWDFP R HCHSt
 UW GEHVGUGIJGR VJ QODQRP DGHODIGDYHU
 DGHODQD Q SUREHP RVSRUHOD RQDQD HQW HWR
 SDHH IQGEDUT H QR HV FRQRFGR SRUV 3RGJ
 WP ElpQ SUJ QWQH VL Q HWR UD RQDQD HQW HV

7 HQHURP HFR FRQRWIDVFRVDHVHUSURG HGR SRURWDV
FRVDV R SURG HLOD

75 7 2 (5 () 250 ((17(1 , 0 , (172

E HQR 6LQ HWR UD RQP IHQW HVE HQR GEHP RV
SDWU GHΦIGDGD FRP R HWAP IP R S QW GH
SDWDQHMD QD GHP RWIDlyQ QHMD RV Q
VJ QGR UD RQP IHQW SDM MWEDU HOSUP HR
OHR Q WUHR SDM MWEDU HOVJ QGR D^t
KDWHQI IQW HWR UHSRQHP RVT HLDQ IHQ
SRU QGHWQRT HQD DVGR GDR KDSURJ UHGR
SRUHWMDP IQR HQV IQYHWIDlyQGHΦ1 DWUDID
FRP R Q KHP RVHSODOR HVGHU DGT IUJGR Q HDV
ICHVHQ HORUHQ GEIGR VJ QΦQRUP DGHΦIGD
YHGHDGDD MP iVKDEU G GDR GHΦYHG
D^t SRVHD SRUT HΦYHG FRP R KHP RVGEKR VH
UHΦHOOP IPD FRP R HQ QD P DQHMDlyQ HV
SRQWQD 3HR HWR QR V FHCHQ QFDR UDIP HQW
HWR S HV REΦDGR DHWEΦHUVS UQHSIRV D
IIQGHT HSRGP RV DGT IUJSRUCHM QIR SUP HG
WGR Q T HQR QRVFDHSRUDIU T IHWP ElpQ GH
P RWIDUT HSDDHWEΦHUΦYHG SDUDRQD
EIQ QR QHMD RV RWRVIQWIP HQWRT HΦYHU
GGP IPD HOE HQUD RQP IHQW DKHSUREDR
QE HQUD RQP IHQW WGDYDSURF UR MWEDD
UD RQGR EIQ JUJG T H GH HWD P DQHD QV
KRP EUVWHD RWWP EUDQDOWP HQWIRQVIQWUR

HJ DOP RGR T HQR G GGP RVGHΦYHG T HSRVH
P RV

UV DUDyQSRUOF DORF WHUDVHVT HHQHO
 HWGR GHØ1 DWUDI DVFRQG FDØIQYHWJDFlyQ
 HQ HORLHQ GEIGR UMGHDQW WRGR HQ ØVSUML
 FRV F DVFD VDH SØDIP RVHQQ HWD) IØRRIID
 (QVJ QGR OJ DU SDDWJ IUHWRUHQ VHUT IHH
 QDDWQHyQ P HDWD QSHHSHyQ IIQD Ø
 T H H JH P FKDSLØDHyQ (Q IIQ HWR GSHQH
 GHØWGR GHØVD QVK P DQRV T HHW FRP R
 DKP RV P RWDR P V MDR DFP EIRV DQ
 HIWQRWUDRQHVT HQE VEDIP RVDKRUD

6LVHSUJ QØDSRUT p R P IVP R QR KH
 HS HWR DQWWRGR VREUHWRGR ØVYHGGHV CHØ
 1 DWUDI DHQHCRUHQGEIGR S HWR T HØYHGG
 VHP DQHWRDSRUW P IVP D UHSRQHØ DGYHWØD
 ØFRUT H VH F IGH F DQGR HQF HQWH DT t DØ
 SRSRVFRQHFRQWUDV DØRSIQyQ FRP Q CHUH
 FKD DØV FRP R IDØV T HFRQHHSUP HR HORU
 GHVJ IGR SRUQRVRWRVS DUDSUREDØV DGT IUV
 Ø HWRG P EUH GH T H KF RV ØJ DCR DØFRQREL
 P IHWR GØYHGG 7 DØV ØUDyQSRUOF DOKH
 IP SHDR SRUHWVFRQHHDIRQH VREUHOP pW
 GR

6LDØ QHMPSWER VHKDØHD QV P IGR HQ
 ØDG ØDQWØDP IVP DYHGGSUP HD WRGDØWT H
 ØJR GHG HUH RV VJ Q ØQRUP D GH HMDYHGG

75 7 2 (5 () 250 ((17(1 , 0 , (172

SUP HD VHE SRUT H R EHQ KED FRQWD V FRQ
FHQFD R EHQ KED UP RV GHFRQHDUT HKD KRP
EUV F R HS t UW HV FRP SOWP HQWJ FHJ R VHGH
QDFP IHQW R SRUSUHMIERV HV GHFU GEIGR DDPR
H WLR (QHHWQ QMUT IHDSRVHQ FRQFLQFDGH
VLP IVP RV VLDIIP DQF DQ IHLURVDR G CQGHHO
QR VDEHQ T HDIIP DQ R T HG CQG GEHQ T HQR
VDEHQ QDD KDWG CHODQ JLRUDUT HQR VDEHQ
QDD HWK P IVP R Q GEHQ FRQ UHWIIFlyQ S HVW
P HQ FRQHDUT HHWQ S HWK T H FRP R QDD
VDEHQ GEHQ FDQ USRUWP RU GH DGP IWDPR T H
K HODYHGG (QGHQWYD HV SUHMR DEWQHWH
GH KED OUGH FHQFLV FRQ HOM S HVHQ Q FRQHU
QHQWD OYIGD DQVRFHGG OQHHMGDG OMV HJD
DUHRQRHUV SURSIDH IWDQHD DE VDUQT HOM
HV WODDIIP DU DQH JUEDW MUD HQW P HKD
FRADV (QHHWQ VLAHOVSU HEDDPR QR VDEHQ VLQD
DJ P HQWQyQ HVSUREDQUDR GHFWRD VLQH DQ
FRQFHGHQ RSRHQ QDREMflyQ QR VDEHQ T HQH
JID FRQFHGHQ REMWQ KD T H FRQMGHDGV
S HV FRP R D WP DWVHQWDP HQWGHHS URYWVGH
SHQDP IHQW

9 RQDP RVDRUDDQ HWK GHJ QIR HWU
P IQDP RV SUP R ODP P HWK KDD F DOSURF UP RV
GJLJU WRGRV Q HWKRV SHQDP IHQWV 5 HRQRHP RV

VF QGR F i CHVOP H~~U~~SH~~U~~H\$HyQFRQF DD GD
 SRGP RV~~OJ~~ DUDQ H~~W~~D SH~~U~~H\$HyQ W~~W~~R F i CHVOP
 SUP HDY~~DT~~ HGHEHVIJ LUHHS tUW SDDFRP HQ
 DUEHQ pWDFRQW~~W~~ C~~DD~~ QDICHDYHGCHDF DO
 T IHD HQ W~~RP~~ D~~DD~~FRP R QRUP DSDDFRQ~~W~~ DUV V
 IQH~~W~~ DIRQHV~~V~~J Q~~W~~H~~W~~ 3 D~~DD~~KDH~~Q~~ FR
 W~~W~~W~~W~~ HQM HVSH~~W~~ H~~J~~IUD~~O~~ pWGR SUP R T H
 GW~~W~~Q D~~DD~~ICHDYHGCHDGH~~W~~QGP i VSH~~W~~HFRQH
 SUH~~W~~HDOHS tUW GH~~W~~W~~W~~ Q~~W~~ DV VF QGR H~~W~~
 E~~W~~HUH~~W~~ Q~~W~~SDDS H~~W~~E~~W~~UH~~W~~ Q H~~W~~Q~~W~~RUP D~~DD~~FR
 DV CH~~W~~FRQRH~~W~~W~~W~~ W~~W~~R IQ~~W~~W~~W~~U Q RICHQT H~~W~~RV
 DKRUH IQ W~~W~~V ID~~W~~ DV HS pV GH FRQRHU H~~W~~A
 P pWGR K~~P~~ RVY~~W~~ T D~~W~~ T HSD~~DT~~ HI HD~~Q~~
 P i VSH~~W~~H~~W~~ SRME~~W~~IHDQH~~W~~DIR T HSRVH~~W~~pUP RV
 D~~DD~~ICHGD~~W~~HUP i VSH~~W~~H~~W~~ HIGH H~~W~~FRP IEQ R
 S HV SURF UD~~W~~P RV~~OJ~~ DU F D~~W~~ D~~W~~W D~~W~~FRQRFL
 P I~~W~~Q~~W~~ CH~~W~~W~~W~~HU

RP HQHP RV S HV SRUOSUP HDS D~~W~~AG~~W~~
 O pWGR T HFRQW~~W~~ FRP R D~~W~~EP RV HQ GW~~W~~
 J LU V~~W~~D~~W~~D~~W~~QDICHDYHGCHDGH~~W~~QGP i VSH~~W~~H~~W~~
 FIRQH~~W~~ HQ IP SIGUT H HOHS tUW FRQ QG~~W~~ Q~~W~~
 ICHDV ID~~W~~ IR~~W~~ G CRDV FRQ Q~~W~~ YHGCHDV
 O LIQ~~W~~QHyQHVHS~~W~~ DT t DP S~~W~~DP HQ~~W~~DIQGH
 FRQW~~W~~D~~W~~D~~W~~FR~~W~~UD QFRQRHP IEQ~~W~~ W~~W~~QH~~W~~DIR
 W~~W~~ ElpQSRT HP HKRVKD~~W~~ OJ~~W~~DR DG G~~W~~UCH~~W~~

75 7 2 (5 () 250 ((17(1 , 0 , (172

P IIP DVERVYHGDGHDSRUQR KDHUF GDR GR
T HGWQ HOSHIHS Fly Q YHGDGHDSRUQR i V
6HSDHHQD DKRP EUVT HHQWYJIOODQR G GQ
GHT HHWQCHSIHWXV SHR QDYH T HHQV H RV
KQD FUHGR IDQD HQM HWU GHSHWV OH R KQD
G GDR GHT HGR HWYHDDQHQ WOP IIP DYJIOOD QR
T HOKDRF WIGRSRUOP IIP DUyQGHT HMP i V
GWQ IHRQ HV H R GH W YJIOOD GYHW QR
REWQM T HQR WDDP DT t GHWYH QHDGHFDD
SHIHS Fly Q WOP SRFR WOHSQEDP SRUV FD WDSL
IP D S HVHWX SHWQHHDW) KDRVtD (SRQGDP
WOP HQWQT HHOP pWGR UH IHH HVGHU DT p
SUSyVW VHIRUP D QDSHHS Fly Q IDQD IP DJQDD
G CRWD Fly P R OJIDP RV D OEDQRV GH H
1 HWDSUP HD DHJL D Fly Q VH UHHLW D WIGD
IP DJQDD

7RGDSHHS Fly Q WQHSRUREWQ QFRWD
FRQMGHIDDFRP R H HWQHDR EHQWQ V HMQHD
FRP R WOP DRUDGHDSRUQR H V H H H QDFRWD
FRQMGHIDDFRP R H HWQHW KDWDP DQWWRGR GH
HW WOP DHSHLH HVGHU GHWT HVWQ WOPHV
WQFDHVP DJQDD P IHWQDT H WFRWDT H QR VH
UHSUWQDIIWELP HQWQ H DFRQG Fly Q HVFRQFL
GDR VHV SRQHT HGR HV 3RUHMP SQ P HIRW W
IHDGHT H3 HGR DT IHWFRQQR FR YDDV FDDP H

YMW RWDVERWDVHP HMQW 6LIQT IHR DT p VH
 UHHHWQGD YR T HVHUFERQD QEP HQWFRQ
 DWFRWDVS RVEOW SHR QR QHMDLV CLIP SRVEOW
 ODP R IP SRVEOID QDFRVDF DQWUDI DIP SOD
 T HKD FRQMDGEHyQ VLHWDQFHP RVV H IWWQFD
 ODP R SRVEOID QDFRVDF DH IWWQFD SRUV QD
 WUDI DIP IP D QR IP SODT HKD FRQMDGEHyQHQ
 SOQWUO H IWWQFD R OQR H IWWQFD DT H O
 SRVEOIDGR ODP SRVEOIDG GHODH IWWQFDGHHD
 FRWDGH HQGHGF DVT HGHMRQRFHP RVP IWWQDV
 IP DJQD RVV H IWWQFD SRUFRQJL ILQW VLHWD
 QHMDGR HWODIP SRVEOIDG T HGH HQGHGF
 DV H WURUV QRVI HD FRQRFQD QR SRGIDP RV
 IRUMUQQ QDIEHyQ DSURS y WAK CHHWDFRWD 3RU
 WAK VLH IWWAH Q GRV R DQ Q VURP QMHLQW
 HWAVHUQR SRGIDIRUMU DEVROWP HQW IIEHyQ DO
 J QD 5 HS HAWK GH QRVRWWRV DSHQDVp T HH IWW

9 pDQHP i V DQHDMQ Q HWDV REHYDFRQV UHS HAWK GH
 QWKS y WMT HFRQRFHP RVFODP HQW KD IIEHyQF DQGR
 GHHP RVT HHHWDFRWDH IWWQFRP R WODVHQ QRVF HS RV
 HDMWW

(GE SUQSH QR SRGP RVIRUMU 1 GH SS KQ
 RP R OYHCG GHT HGT t VHWWD FRQWOCHT HVH O
 HQWQGD VHP DQHDMQ HODP IP D EDWD QHMP SQR VQ RWD
 GP RWWDHyQ R P IP R UHD SDID O SRSRVHyQ FRQMD
 GEWRUD F DQHCG LS DQHHS HQD VH O H DP IQD FRP R
 YHHP RVSURQW DOKEDOUGHODIEHyQHDDDDOHM QFD

75 7 2 (5 () 250 ((17(1 , 0 , (172

QR S HGR IRUMUH^{Hy}Q D^D QD UHS H^W DP LH IV
WQFLDR QR H IWWQFD FRP R W^P SRFR S HGR U\$UH
VQW^P H Q HDIDQW^AT H SDH SRU HORM GH QD
D M DQCR FRQR FR WQDWUD^DGH IRVW^P
SRFR P HΦUHSUH^{QW} IWWLP HQW^AFRP R H IWWQW^A
R QR H IWWQW^A 3 UH^LR HVUFRQRHUT H^Q P D^P R
DDFHFRQΦ4 IP HD F DQDWUD^DDWRS RQHDΦ
H IWWQFD 5 HV W^OS HV HMGHQW^AT HΦUH^{Hy}Q GH
T HKD^EOP RVQR S HCHGDUHHS H^W CHOVYH^{CD}
GHVW^WQDV QW^VGH^SURVJ LUHVSH^HRV DGYH^WU
GHSDR T HΦGILH^IQFDH IWWQW^AHΦH^IQFDGH
QDFRD WQGRW^D H IWW^WDP E^pQHQW^HODW^DD
GGR W^H IWWQFDGHΦS UP HD WQDW^DD^DG R W^P
H IWWQFDGHΦVJ QD 6LT D^pUP RV S HV FRQ
HEI^UΦH IWWQFDGH G Q SRUH^M S^Q SRUP HGR
GHΦH IWWQFD HQ J HQH^D RF W^WD FRP R VLS^DD
FRQHEIU W^H HQFD GH G Q GUJ^J D^pUP RV Q H^WR

6HREH^{Hy}D^J T HVLP FKRVGHΦD^DQ G CHUGHΦH IWWQFD
GH IRV HVSRUT HV^Q SRVHQ^GH^pCHOQRP E^HHR E^LQSRU
T HIRUM^Q QDIEH^{Hy}QT HΦP D^Q IRV H^W QR FRQF H^{CD}
FRQΦQDWUD^DGH IRV FRP R Q P RW^WUP RVHQV OJ DU
O RW^WD^p HQVJ IGD^T HQQ QDIEH^{Hy}QS HCHWQHUH^D
Hy^QFRQΦVYH^GQGVH^WQDV 3 RUYHQD^GH^VW^WQDV HQW^QGR
QDSURSRV^{Hy}QT H VLV^DUP D^WD^M i VS HGDVH^UQ^J DW^Y
YD V ' I^VW^HH^IH^V QDYH^GQG SUP HD H^WQD GQ
SIAD^DQR HV QDYH^GQG H^WQD D IPHD^DQR H^IH^V QDYH^GQG
YH^GQG H^WQD SHR QR Q^J HV GQQRSIAD^D

SHQDP IHWX KHDWDQWUDIDGHOWU GHIQPUD
 P RVD G Q FRP R Q VHJ 3RUHR F DQX P i VVH
 FRQHEHOFH IWXQHDHQJ HQHDOP i VFRQ VD P HQW
 VHOFRQHEH P i VLi FIO HQWAS HGVHUDWE ICDD
 F DQ IILFRVD SRUHOFRQHDIR IS HQDVHFRQHEG
 FRP R OFH IWXQHDOP i VSDWV OUGH QDFRVD WQH
 P RVGHHO QDIGHDP i VFOOD GLFIO HQWASRGH
 P RVDWE IWD D QF DQGR QR QRVSURF SHP RVGHO
 RGHQ GHOFQWUDID DRWDFRVD HWX FRQYHQD
 GHWDOR

HEHP RVFRQMGHDUDKRUDGVFDRVHQT H
 VGEHFRP QP HQWAT HKD IIEHyQ D QT HV\$D
 P RVFOODP HQWAT HOFRVDQR HVFRP R OIP DJQD
 P RV 3RUHMP S@ D Q VDEHQR T H OWHID HV
 UGRQD QDOP HIP SIGHGHTT HHV Q KIP IVM
 UR FRP R QDP HGIDQDQWHD Q SOWX R T HHO
 VRQ IUDDOGHGRUGHOFWHD RWWDFRVDVHP H@Q
 WV 6LFRQMGHDOP RVH RV HDRV FRQ DWQHyQ QGD
 YH@P RVHQ H@VT HQR FRQF HGHFRQ@ HSUHD
 GR W@ HVSHM REHYDUT HHQ HHWX P RP HQW
 H IWX ODSRVEI@G CH HT IYRFDQRV T H DKRUD
 FRQRFHP RV Q HWXRV HIRUV G@P i V SRGP RV
 IRUMUR SRU@ P HQRV DQ IWXOIGHDQHT HRWXR
 KRP EUHVHWQHQ HOP IVP R HIRUR S HQH H@UHQ
 POFRP R DKHP RV YIWX JLR T HSRGP RVIRUMU

75 7 2 (5 () 250 ((17(1 , 0 , (172

HWDIGHDP IHQWVQR YHP RVIP SRVEI~~Q~~GD QLQHH
V~~G~~GD~~P~~ QD DQGR GJRT H~~O~~NH~~W~~DQR HVUHGRQ
GD HW QR KDJR PiVT H~~Y~~RHDUHQPLUF HGR HO
HURUT HT LiVFRP HW R HQ HOT HS HGR HDU
OH R IP D~~I~~QR R D~~P~~ N~~X~~ O~~I~~GH~~G~~T HDT H~~O~~DT IHQ
KDEQ HWDQHQHOHURURS H~~G~~HDUHQpO DKH
GEKR T HIRU~~X~~ HWDIGHDP IHQWVQR YHR IP SRVEL
~~Q~~GD QLQH~~H~~MC~~G~~ VL D~~O~~FRQWDIR P LHQ~~W~~QGP IHQ~~X~~
KEELMISHFIECR QD RWD QR KDEFDSRGCR IP D
JICQ~~R~~ V~~Q~~ GLUDT HKDEFDIQWQ~~Q~~GR D~~P~~R

) D~~W~~RF SD~~Q~~RVGH~~Q~~V S H~~W~~RT HVHKD
HQHQ~~W~~GVF VRQH V S H~~W~~RT HDYH~~V~~VH~~W~~D
ERQQ KDW FRQ O~~V~~IP SRVEI~~Q~~GD~~V~~ 3RUHMP S~~Q~~
F DQGR GHIP RV V SRQ DP RVT H~~W~~DYH~~O~~T HDGH
QR DGH R V SRQ DP RVT HDGH~~H~~ QHS~~D~~ER IP D
JICQ~~R~~ HVGH~~U~~ GRQH~~Q~~R H~~W~~QF HS~~R~~VGH~~Q~~Q
J QD HSHEH 6H KDH~~H~~ D YHHV V SRVEIRQH
SDHIGDV D~~Q~~T HVHYHDF~~O~~DP HQWT HO~~W~~ Q~~W~~ DHV
IP SRVEI~~I~~ SHR HQ~~W~~QHVHQ~~W~~Q~~W~~GD~~V~~HIP D~~L~~
Q (Q HOSUP HUHMP S~~Q~~ HQ HH~~W~~ QR KHKKR
PiVT HWDUDP LP HP RUD RWR HMP S~~Q~~ GHYH~~O~~

0 i VDGH~~Q~~W F DQGR KDEF~~P~~ RVGH~~Q~~HHyQ UHD~~W~~DD~~W~~
HMQH~~V~~ VHYH~~U~~ F~~Q~~DP HQWT HMP i V QD~~W~~HyQ FUHDQL~~G~~
DOL~~S~~t~~U~~W Q~~W~~DQ H~~R~~ T HW~~Q~~ VRQ H~~R~~FRV~~Q~~VUF HGRV
T HH~~W~~QHQHOHURUR R HQ~~W~~IP D~~Q~~Q~~W~~yQ T HH~~O~~HS~~U~~W
HW DWQ~~X~~ DWGRVD~~W~~YH FRQ VD~~W~~ HQW 6HUF HQD SRU

T HQR DGH R FRQHEIUOP IP DYHODVQOP D Q
 T HSIHQR GHOP QDOP DME R WP ElPQDOPRWD
 P IHQWV QR P HUHHR DOPOPD (Q HOWJ QGR
 HMP SQR QR VH KDH PiVT H DEWDHU QV SHQD
 P IHQXV GHOPV H\$RVHUF QGDQW GHP RGR T H
 HOHS tUW VH GJLH QDP HQWDOPFRQWP SDFyQ
 GHOPYHOP FRQMGHDQDHQV SRUV VHFRQO H
 T HHOPQR WEQHHQV FD VDOP QDGHGHWU HHyQ
 HP RGR T HVLQR K ELMHF H\$RVHUF QGDQW
 HWDYHOP HWDOP DSHP DQFHLDQ ICP WEOPV
 RWDV FRVDV VHP HWDQW 1 R KD HQ HWR HEEHyQ VL
 QR DHFIRQHS UDV VP SOW
 3 DMP RV DKRUDDOP HFRQH VUDFRQD
 FRQOPVROVHMQFLVR QGDVDDP QDFWDOPDGR
 HWWQHD HWWUHS HWR KD T HFRQMGHDJREUH

HMP SQR HOPQ DMQ Qi UERO HOHS tUW QpQGRVHDHWRV
 UF HGRV IQGWQWQDQ HQW DOP LWM Q i UEROT HKDOP (WR
 P IP R VH UHHR DOP HWWQHD VREUH WRGR FRP R KIP RV
 GEKR F DQGR HV FRQHEICEDMOP IRUP DJ HQHDQGHOVU
 SRUH HQQFHV HHSOPD Li FOP HQWDWGRV QV UFF HGRV
 T HS HQQSUMHQDWHDHOHS tUW (VP IP SRUWQWHD
 QDHWWR
 R P IP R GEHHQWQGHGHDOPKISy WMYT HVHIRUWQ
 SDDH SDDUOP QRV P RYIP IHQXV UDFRQDGRV FRQ IHQ
 P HGRV HWDWV R SDDH WDU QDFRQO VHyQ VREUH OPQDW
 UDOPD GHOFHWR T HQR REWQWMS HGH VH P GWWQD
 S HWR T HSDDH SDDUHRVP RYIP IHQXVS HQQFRQHEIU
 VHP HKDVRWDVFD VD

75 7 2 (5 () 250 ((17(1 , 0 , (172

WGR T HF DQW P HQRV HOHSUW FRQRH P i V
SHFEH P i VHSD HVGHIIHyQ F DQWVP i VFR
QFIP IHLQWVFDURSRVH P DVGVP IQ HHHSRGH
RP R DKP RV YIW QR SRGP RV SRUHMP SQR
P IHLQWDVSHQDP RV IP DJQDQRVT HSHQDP RV QR
SHQDP RV QP IP RT HF DQGR FRQRH P RVQWD
WUDI D GHOF HSR QR SRGP RV IRUWQDIGHDGH
QDP RVFDIQIQLW F DQGR FRQRH P RVQWDWUDI
DGHODD D QR SRGP RVIRUWQDIGHDGH QDD D
F DQDD D QT HSRGP RVH SUHDF DQ IHLURVD
3HR DKP RV DGYHWGR T HF DQW P HQRV FRQR
HQ QVKRP EUVQD1 DWUDI D P i VI FQ HQMS H
GHQIRUWQ P HRLVTHFRQV SRUHMP SQR T HQR
i UERQV KDEQQ T H QV KRP EUV S HQP P GSWH
V EWP HQM HQ SIEGLV HQ I HQW HQ IDQWDP DV
HSHWGRV QDQDFRQWQCRVHHQDPR QVGRVH
HQ EHWLV HQ KRP EUV P QWGGHFRNDVVP H
NQW

2 F WHD P HQ GR T H Q KRP EUVUF HQDHWDSDDUD
DQD IRUWDP IP R WEP SR DQDIP DJHQFRUSRUO RP R
DPEVFRNDVHHSUHQWQVP QWQDP HQM EUH FQ HQM
T H IP DJQD IRUWQDIP DFRUSRUOS HVQR GWQ H
SDDUDGHQDFRNDP IP D 3IGR DQVDFRUVHT HQR VHSDUH
VUQDUFKDIUQ T H QJR HSXR T H QR Q KDWQ VL
FRQMGHQ QVHMP SQR VP ElPQ Q T HVJ ILJ FRQJUWQ
DQWQHyQ

FDR DQ IJQ FUHT HΦΙΗΗyQ HW GΦ
 P IWWDSRUΦΙΗΗyQ QR SRUHFRQRHP IJQX HV
 GHUT HOJ R GHP DJQWΦIGDGH QFRVDT H
 VQGR GHFLWΦEHWG T IJHDYHIDT HH IWD
 HQΦI DWUDI DWOF DODIRUM HW P HIP SIGHOH
 JR SHQMDI GJHHQWP HQW 3RU HMP SQR GHS pV
 T HIRUM SDD VDUV ΦQ DMH WDIHGHDGHΦQDW
 UDDIDGHOF HSR T HT IHR VQGR GHP LΦEH
 WG SHV DQHP HGHT HHWQDWUDI DHV DQ HQΦ
 UHΦGG DQR P HH SRMΕΦIIRUMΦIGDGH QD
 P RVFIQIQW GHS pVT HKHIRUMΦHMQFD
 GHOΦD QR S HGR IP DJQWΦF DQDQD 3HR HD
 P IQP RVHWK QWGR R EHQ VHQH DR EHQ VH
 FRQFHGT HSRGP RV FRQRHUDQ QD FRVD 6L VH
 FRQFHGT GEHJ GHFLWQHMDLP HQW GOFRQFL
 P IJQX QR T HVGEHGHΦΙΗΗyQ 6LHQH D YH
 P RV QRWRVRV T H VDFP RV T H VDFP RV DQ QD
 FRVD T p VHGEH 6HGEHHWK HOD DS HGHQW
 SHFEIUGHP HKDV P DQHDV SHR QR S HGHSHFL
 EIWHDV P DQD FRP R WPSRFRVLDH IWWQW
 VQ SHFEH ΦV FRVD T H QR H IWWQ HQ V QLHQ
 SIDW DQ QD GEKR GH RWR P RGR HOD DS HGH
 SRUV VRΦI HJD FUHUVHQDERQVHIGHDVT HQR
 FRUHSRQEQQDQFRVD 3RUHR VHΦFRQIGHDHQ
 SIDW FRP R QGRV HJR VHGEH SRVHP RVΦΦ

75 7 2 (5 () 250 ((17(1 , 0 , (172

EHWG GH FRQWHILQRV R Q HWDDDP DSRVHΦΦ
EHWG GH FRQWHILH R P HAU GH FRQWHILU V
SURSIDΦEHWG S HVOHJRT HHΦΦKDIRUDR ΦIGD
GH QDFRD ΦIKDGR V DHQWP IHQW QR S GH
SHQMDUGHRWDP DQHDHMDFRVDR IRUHGHΦΦRWD
IGD HWDLIIFly Q KDWΦΦFRQWLx HDWQ HUGHRWDP
FRVDΦIGHVT HQR FRQWDLJ DQ HIDLIFly Q DΦ WP
ElpQ QRV YHP RV FRQWHIGRV SRUDT HΦΦLIFly Q D
DOP IΛΛUΦVDEV UCRVT HKHIQGEDR DΦVF DΦV
QR QRV SURF SDHP RV GH RS RQH GHP RWDRQH
HMP RVDWΦΦV DQYHWDURVHQV GHJIR QRVFRQ
WDP RVDCHG FLUGHMHFDP ER GHSΦΦEVDP QD
YHGCG WOSDDQ HWR REMW DWEHU HOHSUW

6J. IHGR Φ IQGHEDR HQQRWΦHQΦΦGHΦy QGHYDQ9 , RWQ
DQG DT t KHFRP SΦΦGR HOW WFRQ ΦΦDΕly Q GHΦΦSDΦ
EUDDID 1 RWGH SS KQ
3DHFHT HWDIDDP LFRQΦOWy Q GH QDH SHIHQD DED
VR VHP HGJU T HQΦΦKHSUREDR SRUT HΦΦGHP RWΦΦly Q
IDΦΦ VΛHΦΦT IHH KHΦΦDT t QΦΦHQ ΦΦQWΦΦIDS GH
HWΦΦHQ RSRVΦly Q FRQV VΦΦHV WGR DΦDHFRQRUP HD
V VΦΦHV CHMP IQΦΦDV SDIDSURG FU VH QΦΦHV CHMP IQD
GDV HΦΦRV CHMP IQΦΦRVHQ QHQΦΦHQD IHQW IQT HEUD
WΦΦI GH FMH GH DT t T H HO DΦD F DΦGR FRQFH
YHGCGHP HQM QDFRD GEHGΦΦDURΦΦRENDWDP HQWIV V
HHΦΦRV 9 pDHP i VΦΦDΦΦWΦΦHOS DΦΦH IΦΦWYR DΦΦIGDIDΦΦ
6J. IHGRΦΦDΦΦDΦΦy QΦΦDSR UHSRG VH QΦΦUG HΦΦy Q RΦΦCHD
GH VΛR DT t ΦΦRDT HΦΦΦΦΦΦy Q DΦΦ , RIΦΦ DΦΦW
WΦΦHΦΦDΦΦSDΦΦDΦΦCHPRVΦΦHQV QΦΦUVΦΦHΦΦVQH 1 RDCH
SS Q

T H V H I S O D D Q D F R V D I P D J Q D D I D D S R U V
 Q W U D D I D S D D H I P D J Q D D F R Q R F H I D T H G H G F H
 G H H O O H Q H O R U G H Q M W X Q T H G H H O O G E H G G
 H U H I I H O H Q W H M G H Q D V I D D H G G 6 L O F R V D
 I P D J Q D D H V Y H G G H D S R U V Q W U D D I D F D Q R H O
 H S t U W V H S O D D W Q D P H Q W D H O O S D D F R Q R F H I D
 S D D G H G H U H Q H O R U G H Q M W X Q T H G H H O O V H L
 J H S U V H J I W F R Q p M X V Q I Q W U S H y Q F R P R
 H Q H O F D R G H O O I G H D I P D J Q D D I D D H P H Q W D P H Q
 F R Q D D K H P R V Y W X T H H O H Q W Q G P I E Q W P H W D
 H Q V J I G D V D E V U C R O V F R Q M F H Q D V D E V U G D V
 T H G H H O O V H G G F H Q
 H Q Q Q P R G R G E H P R V W P H U R U M U Q D
 I I F H y Q F R Q W O T H O O S H F E D P R V F O D D G W Q D D
 P H Q W V L G H P R V T H O O V K R P E U V V R Q P G D G R V
 V E W P H Q W H Q E H W D V Q G H P R V G H Q D P D Q H D
 J H Q H D O G H P R G R T H Q R H I W W H Q H O H S t U W Q Q Q
 F R Q H S W X G H H O A Q Q Q D I G D H V G H U Q Q Q D
 U H D H y Q H Q W H H O V M W X H O S U G E D O R 6 L H W D U H D
 H y Q H I W W H D Y H D P R V F y P R S R U T p V H S U R G F H
 H D P H W P R U R V V 7 D P S R F R S U M D P R V D M Q H y Q D O O
 Q W U D D I D G H O V M W X G H O S U G E D O R G H P i V F R Q
 W O T H Q D S U P H D I G H D Q R I H D I P D J Q D D T H
 V G D V O V R W D V V H G G M D Q G H H O O H D I Q G H P D L
 Q D U G H M S D I F H D S R F R D S R F R F R P R Q D I G D

75 7 2 (5 () 250 ((17(1 , 0 , (172

IP DJIQDQR S HGVHUFODD GWQD VQR VGR
FRQI VD WRGDFRQI VyQSURYHQHHT HHQHStUW
FRQRFH QWRGR R QDFRVDFRP S HWQDHP FKDV
RWDV VGR HQSDWW QR GWQD HQ FRQRFRGR GHGR
GHFRQRFRGR SURYHQH DGP iV GHT HDLQGHDW
YH DQ P HRVRVHDP HQXVFRQWQGRVHQ FDDRE
MKK VIQ GWQD LQBVHQDEVROW GRDKE UHV CWD 3UL
P R T HVL QDIGHDVHUIIHD QDFRVDP VP S@I
QR SRGJ VHUVQR FODD GWQD (WD FRV D HQ
HHW QR SRGJ VHUFQRFRGHDQ SDWW VQR T HGR
VH HQWDP HQWIR QR @ VH 6F QGR T HVL QD
FRV DFRP S HWQDHP FKDV SDWW HV GMGGDP HQ
WD HQWQHQ WGDVV VSDWWVP i VMP S@V VHDHQ
GHDFDD QDGHHOVWRP DGDSDWW O@FRQ VyQ
GHSDHHJ 7HW T H QDIIHyQ QR S HGVH
VP S@I QDGH @ O@FRP EIQDHyQ GH GYHWDV IGDV
FRQI VDT HFRWHSRQHQ DFRDV DDFERQHV GL
YHWDVH LWQWVHQO1 DWUDIDP i VD Q SURYHQH
GH T H DQHQHP RV DOP IVP R WEP SR VIQ GE@V

6HREHYD T H QDIIHyQ FRQIGHEDHQV P IVP D QR
GIIHHP FKR GH QV H R VD@R HQT HHQHOV H R ID@Q
O@FRDV T H SRUP HGR GH@BVHQGRV VRUHHQDOKRP
EUHGHSIHW GRGRQGHUV CWD SDP O@DSDIIQHDGHT H
O@IP i J HQVQR SURYHQH HQ H H P RP HQX GH FRDV H IV
WQWVI HDCHpO(CHURU FRP R VHYH SURQW FRQWVHQ
VRDUGHSIHW F DQCR HVP P DQIILW VHOIOP DGHDR

Q HWR DHQWP IIQW DHDV GYHWDIGHV VLWIF
 HyQ I HDVIP SOI HQ HHWK VHDFOID GWQD
 SRUFRQMJ IIQWYHGHD 6LQDHDGH QDFRP
 EIQLyQ CHICHV CHWQD HWDRP EIQLyQP IP D
 VHDFOID GWQD SRUFRQMJ IIQWYHGHD
 DQGR SRUHMP SQR FRQRFP RV QDWUDIDGHO
 RUF QR WP ElpQ O GOF DQGR HV IP SRVIEOI
 FRP EIQLQV IRUM Q HIUF QR F DQGR Q DOD D
 F DQGR RWWD FRP EIQLIRQV VLP HQWV RQ
 FO IP RVEHMP HQW QDYH P i V GHQQ QDP D
 QIDGEHWP HWHT H QDIIHyQ VHDFRQ QGCD
 FRQIGHDVYHGHDV 3RUQT HFRQFHQH DQWAW
 GR DODSUP HDHSHEHGH IIHyQ GHT H KLP RV
 KEDGR HQT H QDFRDHV FRQFHICDPOIP HQW
 YP RVT HVLHQ T HHV FRQFHICDPOIP HQW HV
 HQV QDYHGCGHWQD T HV H IWWQFDHQV QR
 HVJ DOD HQW QR SRGP RVIRUMUQQ QDIIHyQD
 V UHSHWK SRUHDFRQWDIR VLWIFHWQFDGH O
 FRDFRQFHICDQR HV QDYHGCGHWQD EDWDF L
 GDHGH FRQURQWUOHH IWWQFDGH O FRDFRQV
 HWQFD U\$DDUDOP IP R WEP SR HQHORUHQH O
 1 DWUDID (QF DQW DODVJ QGDHSHEHGHIF
 HyQ KLP RVGEKR DT HFRQWWDHQ QDDWQHyQ
 T H QR HDVJ IGDGHDMQW IIQW GJQ JGDODDYH
 DYDILWIGHDV FRQ VDV UHDFRQDGV FRQ FRD V DF

75 7 2 (5 () 250 ((17(1 , 0 , (172

FIRQHV GYHWV T HH IWWQ HQ O QWUDID WP
EIPQ KHP RV YIWW T H QD FRVD DE ROWP HQW VP
S0IQR SRGDV UIRU MG VQR T HH D Q REMW GH
FRQRH P IHWK Q P IVP R V FHG H FRQ QD FRVD
FRP S HWD FRQ WOT HDWQGP RVDV VS DWWP i V
VP SOW 0 i VD Q QLVT IHD SRGP RV FRP EIQDGR
HWV SDWW IRU MG DFRQH VT HQR VHQ YH GHDIV
S HVHWDP RVFRQW HICRVD FRQMGHDUDOYH Fy
P R SRUT p VHP HMQWDHy QVHSURG HH
RP SUHQGR Q SUHHGHQW SDHP RV D O
IQHWW DHy Q GH O IGD IDD SDD YH FRQ T p VH
UHFRQD Fy P R SRGP RV SUHDYH QRV GH IQF WU
HQSHH\$ FIRQH DDDV 1 L QDQLRWDWHDVH Glt
HOGHS pVGHQ HWGR HWGR GH O IFFy Q 1 R KD
HQ HHW KIHQEDD QD HQW H OYV HH\$W T H
OIGDIDDDIP S0EDHODHQWP IHWK HV GHU FRP R
DQ KHP RV DGYHWGR T HHQ HOHURU HQ HOP R
P HQW GH O ISDHy Q GH FHWW IP i JHQV QR VH
RIUHQ FD VLV GH OVF D0V VHS HCDIQHUV FRP R
HQ O IFFy Q T HHMDP i JHQV QR SURYEQHQ GH OYV
FRDVH WLRUV DpOH HURU FRQMVW Df HQ VRx DU
FRQ QV RWWV DETHWVR G UDQW H OHWWGR GH YJ IDD
R P IVP R T H O IFFy Q O IGD IDD VH SURG HH
UHSHW GH R SDD GHU P HAU VH UHHD D O
H IWWQHD GH QD FRVD F DHMQHD HV FRQRHGD R

ELQVHUFDRQFRQ QDHQFD (CHURUHDXWYR D
 WHIWWQFDVHFRWJHGHOPIPDPDQHDTHW
 IIEHyQVLHQHHFWK OQDWUDGHDHOPFRVDFRQRL
 OIPSOEDWHIWWQFDQHFDIDHVIPSRVECHT H
 QRVHQDHPRVUHSHWK GHOPH IWWQFDGHHDFRWD
 SRUHOFRQWDIR VLOH IWWQFDGHOPFRVDFQR HV QD
 YHGGHAWQD FRP R Q HVV HHQFD VQRT HOPQH
 HMGCGR OIPSRVEOOGC\$HQHQGHFDVDHW
 URUV HQXQFH GHEH UHXP DSH ISOEDWH Q T H
 KHP RVGEKR F DQGR KEDOP RVGHOPIEHyQ S HVW
 FRUWIEHyQGHCHURUVHKDGHOPIPDPDQHD (Q
 F DQXKDORWUDHSHEHGHHIRUT HHVUHDXDDOW
 HMQFLV WP ElpQDODVDFHRQH WDVSHHSFRQH
 VRQ VEP SUH QHFDIDP HQWFRQI VDV FRPS HWW
 GHGYHWDVSHHSFRQHFRQI VDVGHFRWDVH IWW
 WHQO1 DWUDID3RUHMPSCF DQGR OVKRP
 EUVHSHV DGHQHT HH IWWQGYLGCGHVHQOW
 VHDV HQOBVtGRQV HQOWEHWDV HW T HH IWWQ
 F HSFRVGHF DVRDFRP EIQLHyQHOHQWQGP IIQX
 S HGHQDHUT HOBVFDG YHIVUDRQQ SDHDQ KD
 EODQ TH IRV VH HT TYRED RWRV HURUV VEP H
 MOW 3RUHOFRQWDIR OVIQHDT HVRQ PDDV
 GWWQDVQR S HGQMP iVHUIODV S HVOWIGHD
 GHOWFRWDV T HVRQ FRQHEIGDV PDD GWWQD
 PHQW VRQ R ELQDEROWWP HQW VEP SOV R ELQ

75 7 2 (5 () 250 ((17(1 , 0 , (172

FRPS HWWGHIGHVP i VVIP SOW HVGHFL GIG FL
GVGHOWIGHVP i VVIP SOW 4 H QDIGHDERO
WP HQM VIP SOI QR S HGH VU IDD HV QR T H
F DO' IHDSRGJ YHUFQWOT HV\$DT p HVQR YH
GCHR RT p HVHOHQWQGP IHQW DOP IVP R WEP
SRT p HVQR IDOR

(QHHWUHSHWCHQR T HFRQWW HOD
IRUP DGHQR YHGCHR HVHWWT H QSHQDP IHQW
YHGCHR QR VQR VHGWWQ HGH QR IDOR SRUFD
UDWUHV H WQHFRV VQH SUQESDO HQWASRUFDIF
WUHV IQWQHFRV 6L Q REUHR SRUHMP SQR KD
FRQHEIGR QDREUDEIQRICHQDD D QT HHWOREUD
QR KD DH IWCR MP i VQLGEDMP i VH IWWU HOS HQ
VIP IHQW QR GHID CH VU YHGCHR H IQDIDEOI
H IWDR QR HDREUD ORQWDUR VLDP IHQGEHT H
3HGR SRUHMP SQR H IWWVQ VEHT H3HGR H IV
W HWA SHQDP IHQW HV IDOR HQ QR FRQFHQIQWAD
T IHQQR IRUP ODR VLVHSUHIIH QR HV YHGCHR
D QT H3HGR H IWWDUDP HQM HWHDQ QFDHyQ
3HGR H IWW QR HV YHGCHR VQR HQ QR T HFRQ
HIIQH DT IHQ VEHT FRQ HIIWDT H3HGR H IWW
3RUFRQJ IHQW KD HQ OVIIGHVDP QD FRWDUD
SRUOOF DOOVYHGHDVHGWWQ HQGHOWIDOD
HWAS QR GHEP RV GUJLUKRDQ HWIDIQT IL
HyQDIIQGHSRWHUOP HAUQRUP DGHYHGCG KH

P RV GEKR HQ HHW^W T H GE^DP RV GH^WP IQD
 Q HW^WRV SHQDP IHQ^WV VJ Q ØQRUP D G^WD G^W
 IGDYHGDHD T HHOP p^WGR HV HORQRFP IHQ^W
 UH^WLYR FRQRHU ØV SURIHG^WH G^WHQ^WQL
 P IHQ^W 1 R KD T HGHLU SRUQ G^WP i V T HØGLH
 UHQFD SURYHQH GH T H HOSHQDP IHQ^W YHGDHR
 FRQW^WHQ FRQRHU ØV FRWDVS RUV VFD WDVS UP H
 WD HQ^WT HGHLU P FKR GHOSHQDP IHQ^W ID^W
 G^WDØQDWUDI DGH^WFRP R ØKHH SØDOR
 S HVHØP DW^W ElpQSHQDP IHQ^W YHGDHR D^WT H
 FRQW^WQH REM^WDP HQM Ø H^WQFD GH Q SUQHSIR
 T HEDHHGHD WD HV FRQRFLGR HQ^W SRU^W D
 IRUP DGHOSHQDP IHQ^W YHGDHR GEH S HV HW^W
 FRQW^WQCD HQ HW^WSHQDP IHQ^W P D^W R VQ UHDFyQ
 FRQ RWRV QR UHFRQRHF^WR P FD WD QREM^W VL
 QT HGHEHGS HQHUG^WRGHUP D^W R CHØQDW
 UDIDG^WHQ^WQGP IHQ^W 6LV SRQHP RV HQ HHW^W
 T HHOHQ^WQGP IHQ^W KDSHFLIGR D^W Q VUQ H^W
 T HQR KDH IW^WCR MP i V FRP R Ø KDFD VJ QD^W
 QRV HOHQ^WQGP IHQ^W GH IRV^WQWGHIFUHDUØVER
 WD HW^W SHF^WHyQ QR S HG^W VJ WD HQM
 SURYHQUGHQQ QREM^W T HGHHW^WSHF^WHyQ
 HG MUD ØJ t^WP D^W HQM RW^W WRGRV HRV SHQD
 P IHQ^WRV VHDQ YHGDHRV QR HW^WDQ GH^WP IQD
 GRVS RUREM^W D^W QR H W^WRU GS HQHLDQV Ø G^W

75 7 2 (5 () 250 ((17(1 , 0 , (172

SRGHU GH Ø QDWUDID GHOHQWQGP IHQR 3RU
WQWQ Ø T H FRQWW H Ø IRUP D GHOSHQDP IHQR
YHGDHR GEH E VDWH HQ HWI P IVP R SHQD
P IHQR GHG FWH CH Ø QDWUDID GHOHQWQL
P IHQR 3DD GUJLU S HV Q HWID IQT MHyQ
SRQ i P RQV DQWICVRWWWDØ QDIGHYHGDHDGH
Ø F DOW\$DP RV FRQ Ø P DRU FHWG P EUHT H HO
REMX GHSHQGHQ HWI SRGHUGHSHQDU T H
FDHHCH REMX HQ Ø 1 DWUDID (Q QDIGHDGH
HWID HSHEH SRGHUP RV S HV Li FØ HQMI FRP R VH
IQIHHFRQFØDGGCHØT HSUFGH UHDØDUQ HV
WDIQMHWYDHyQ 3RUHMP SØ SDDIRUP DUHOFRQ
HSWGH QDHMHID IRUQ QFD VDDYROQWG HV
GEIUT H QWP IEF Ø JIUDDHGRUCH QFHQR
T H QDHMHIDSDHHFRP R HQ HQGUDSRUHWID
URWHyQ ØRT HHWØIGHDVYHGDHD D QT H
V\$DP RVT HHMHDDØ QDKDVGR MP i VHQ HQGUD
GHMHUP RGR HQ Ø 1 DWUDID pVDHV VQ HP EDJR
QDSHFH\$HyQ YHGDHD HOP HGR P i V Li FOGH
IRUP DUHOFRQHSWGH QDHMHID D T HU\$DDU
QR REWQWIT HHWØSHFH\$HyQ DIUP DØURWHyQ
GOMP IEF Ø DIUP DHyQT HHIDIDDDVLQR HW
YHD QGDDOFRQHSWGH ØHMHDR DOHØFD VD
T H GHMP IQD HOP RYIP IHQR HV GEIU KEDQGR
DEVROWP HQMI VHWYHDDWD S HVHQ WOFR

HOHS tUW VHOP MWD DDIUP DUHOP RYIP IHQX GHO
 VHP IEtF Q P RYIP IHQX T HQR HW FRQWQGR QL
 HQHOFRQHSW GHOHP IEtF QL V Y HGOHOFD
 VDT HCHWIP IQD HOP RYIP IHQX D DOWGEG FRQ
 VWA S HV VQ HQ T HVHDIP DGH QDFRVD DQR
 T HQR HW FRQWQGR HQ HOFRQHSW T HKP RV
 IRUP DGR CHHO FRP R HOP RYIP IHQX R HOHS RVR HQ
 HOFDR GHOHP IEtF Q 3RUFRQMJ IHQW QVSHQD
 P IHQXVWP SOWQR S HCHQ CHMUCHVHYHGDHRV
 FRP R OIHD VWP SOWGH Q VHP IEtF Q GHP RYL
 P IHQX GH OIHDQH GHW R T H HWV SHQD
 P IHQXV FRQWQHQ GH DDIUP DXYR VH DGF D D QV
 QP MWGOFRQHSW VQH FGHRV SRUQ F DOSR
 GHP RVIRUP DUDYROQXG VQ WIP RUCHHIDU IGDV
 VWP SOW 6yQ QRV IDW IQHWDU SRUT p SRGU
 Q HWR HS tUW S HCH IRUP DU HMDV IGDV KDW
 GyQGHVHHWQH KDOOR HR YHJP RV Li FQ HQW
 F DOHV HOFRQHP IHQX P i VHDYDOR T HSRGP RV
 DDDQ DU 3 HVH6J UR T HHWASRGHUGHOHS tUW
 QR VHHWQHDOIQIQX F DQGR DDIUP DP RV GHDO
 J QDFRVD Q T HQR HW FRQWQGR HQ HOFRQHSW
 T HIRUP DP RVGHHO FRQED HQHHW T HKD
 HQ QRVRWV Q CHHFW GHS HHS HyQ HVGHFL T H
 Q HWRV SHQD IHQXV HIGHDV HWQ P WQCRV HQ
 HHWK P RGR WQFRV HP RV YWV T H HOP RYL

75 7 2 (5 () 250 ((17(1 , 0 , (172

P IHQW GH QVHP IERUF Q HIDOR IS HQVHDWQHQ
HOHS tUW T HHVYHGDHR VVH QHDFRQH\$W
GHΦHMHDR DOGHD P QFD VDT HCHWIP IQHWO
P RYIP IHQW VL FRP R IS DHHDSUP HDYIW HV
SURSIR GHΦQDWUDI DGH QVHUSHQDQWIRUP DU
SHQDP IHQWV YHGDHRV HV GHIU DGF DGRV HV
FHQW T HQ HWWDVIGHVIQDHF DGVVHGHEHQ CL
FDP HQWIDT HVRP RV QDSDWIGH QVHUSHQDQW
GHF DODP QRVSHQDP IHQWtQWJURV D P QRVSU
FHQW FRQWVW HQQ HWWR HS tUW

QGEHP RVFRQMGHDUT t QDFR QW
UD T HQR YDODOSHQDQYHWUF DQGR WDWP RVGH
ΦHIEHyQ HVΦT HRIJLQDHOHIRUP DRU FRP R
V FHCHF DQGR D P QDVFRDV SUHQWVHQΦIP DJL
QElyQ Q HAWQ W P ElPQHQ HOHQWGP IHQW HAW HV
VRQ FRQHEIGDV FODD GWQWP HQW HQ WOEDR
F DQGR Q GWQWP QR HV GWQ Q IGR GHQ FRQ VR
ΦFHWG P EUH HVGHIU ΦIHDYHGDHD VHP HFO
DOVICHDIQGWQW φ QRVHWRIERV SRUIMP S Q
R HRQ HV D P HQWIKDEOUHODD D WP ElPQ GHΦ
IQP RUWQDG FRDV T HVQ IP DJIQDQ FRQ VD
P HQW 7 D P ElPQ IP DJIQDQ SHFEDQ SRUHOHQ
WQGP IHQW T H QV F HS RV P i V V WODV SHQWWDQ
WGRV QVGH P i V QR VRQ SHQWDRV SRUQQ QR
, P DJIQDQCR WGR HMR HQ FRQMQR D UJ i QGROIΦ

FH^WG P EH GHOD IRP DP HQFRQGR HW^WDQ VJ
 URVGHGHOHJR T HHOHS tUW HDET HOVF HSRV
 V W^WMP RV T HQR S HQV HUGYIGGRV HW ,J DO
 P HQM QRV OEP RV GH HWA HURUP HQDQH OH D
 P HQGH^WGVQ HW^WDVSHH^WHFRQHVJ Q^WQRUP D
 GH^WIGHDYH^WHDG^W F IG QGRQRV FRP R GM
 P RVD^WFRP I^WQ R UHS^WGH^WIGHVT HQRV OI
 J DQ GH Rt^WEV R SRU H SH^WQD YJD D T H
 D^WQ DUT HHWDHS HHLICH HURUS URYHQ HFRQH
 EU^WVERNDVGH QP RGR G^WP D^WGR DE^WDFR S HW
 HVGHGHOHJR K^WDR T HQ^WT HFRQH E^WV
 YHG^WHR REM^W QR S HGR D^WED^W DR^WR (CHIRU
 SURYHQHW^W El^WQ GHT HQR V HFRQRFHQ QV SUP H
 URV HDP HQXV GH WRGD O1 DWUDID SRU Q T H
 SURFHGLQGR VQRLHQ FRQ QGHQGR O1 DWUDID
 FRQ QVD IRP DVDE^WDFR D QT HYHG^WHRV QR
 OYDHQ V P I^WP R O^WFRQ V^WQ WD^WRUQD HORLHQ
 GH O1 DWUDID 6LSURHGP RV GHOP RGR P HQRV
 DE^WDFR SRVIEOI SD^WRV F DQ^W DQ^W GH QV
 SUP HRV HOP HQXV HVGH^WU GH^WI HQM GHORL
 J HQGH^WI DWUDID QR GEHP RVWP HUQF UUHQ
 HV HIRU GP i V SRU Q T HFRQH^WQ D^WFRQREL
 P I^WQ^W GHORU HQGH^WI DWUDID GHQQ QDP D
 QHD GEHP RV WP HU FRQ QGHQ FRQ O^W FRWD
 DE^WDFR F DQ^W HQHH^W V HFRQHEH^W QDFRD

75 7 2 (5 () 250 ((17(1 , 0 , (172

DEWDWDP HQM FRP R RF UHFRQ WRGRV QV QYHU
VDDV HWXV FRQHSWRV YDQ VLP SUH HQ HOHQWQG
P IHQX P i VDO GHQVOP IWWHQT HS HGHQH IWWU
UHDQ HQM HQOP1 DWUDDI DV VREMWVSDWQF OPHV
GP i V FRP R H IWWQHQOP1 DWUDDI DP FKDVFR
VDF DGLHHQFDHVWQSHT HDT HISQDS HGH
HS WQDHOHQWQGP IHQX S HCHL HOP HQMFRQ Q
GUHDV VL VH QV FRQMGHD DEWDWDP HQM 3HR
FRP R VJ Q YHFP RV OHJ R QR S HGH KDHU UV
SHW GRORUJ HQGHOP1 DWUDDI DFRQHSWR DEWDWDP
QFRQHSWR J HQHDO HWIRUJ HQ QR S HGH VUFRQ
HEIGRSRUHQWQGP IHQX FRP R P i VDP SOR GHQ
T HHVUDQ HQM SRUQ GP i V WDP SRFR VHDHP HD
D QV FRDV V MHW DOFP EIR 1 IQ QD FRQ VyQ
GEHP RV WDP HU S HV UHSHWX GHV IGHD FRQ WO
T HSRVHD RP VOP QRUP DGH QYHGCG T H KHP RV
IQGEDGR QDF DOHVHWVHU QFR IQIQW HGH
HUT HHVHOMUWQDQD HDGHOF DOQR KD QDQD
7 UDQD QOP IGDIDQD QRV IDQD HWGLDQD QD
IGHDG GRV DUDHUIQI IWWHQT p FRQMWVHRT H

1 R VHWWDQGHDMV WRVGH IRVT HP DQILWQV HMQ
HD FRP R Q P RWWDQ HQOP) IQVRID
(WR DKDWIGR GP RWWDQ 6L HQHFW WQHQR H IWW
UD MP i VSRGHDVHUSURG FIGR DQ HCHS tUW SRGHDFRQR
HUP i VGHQ T HOP1 DWUDDI DS HGRUHHU FRVT H D
KHP RVUHRQRHIGR FRP R IDQD

S HCHFRQG FLQRVDØG CD DOP IVP R WEP SR Fy
 P R ØHMØP RV DEQ GHØG ØYHØHDGHØV
 StUW QR GHMDG ØDIUF HQM FRP R F DQGR VH
 GEHT HVHG CD D QF HHØHStUW QR ØKDH FRVD
 T HQR FRUHSRQGH DØO pWGR FRUHJU VQR T H
 HQWDØP i VEILQHQ HOHWGR GHØREWDØlyQ GH
 V WDØP IHQW HHP RV S HV T HQR H IWHHQ HO
 DØ DG ØGHEGDDØFRVDP IVP DGET HVHG CD HV
 GHIU VLYQ H IWHDHQ HO D ØVØDØICH YHU
 ØGHDR IDØD QR KEDDOJ DUSLDDØG ØQLSDDØ
 FHØG P EH VQ H IWHD ØVHQDlyQ GH HWØR
 DT HØHSHH 3 HVØDGHQV QR HVP i VT H ØD
 VHQDlyQ GH Ø RWØD HSHEH SHR ØG CD VH
 IRUP DSRUP HGR GHØWDØICH T HQR HVØQ FØD
 GWØQD FRP R SØD GHG FLUGH HO DØR HØW UH
 SHWØGHØFRVDT HVHG CD HVØHUT HØDØICH
 T HQRVIQØDDØG ØQR HVØD GWØQD 3RU
 HMP SQ DØ IHQ T HQR KD SHØDØR Q QFDHQ ØV
 IOVRQHVCHØVVHQWCRV IQG HGR SRUØH SHIØQD
 R SRUF DØ IHURWØR P RWØR QVØT IHDKDG ØDØR
 GHVHØROHVP DRUR P HQRUGHØT HSDHH 3RU
 HMR ØVU WØRV VH VRUSUHQHQ F DQGR R HQ GHIU
 T HHOVROHVP FKR P DRUT HHOJ ØER WUWH
 SHR ØG ØQDØHØHØP HQWØlyQ VREIH ØDI VYQ

(VGHIU VEHDP HQ CR T HHOVQCR ØKDHQ DØR

75 7 2 (5 () 250 ((17(1 , 0 , (172

GHQVHQGRV VLWDVKDEHUG GDR VHQJDIO
FRQRHP IHQX YHGCHR GHQVHQGRV GHP RGR
FRP R SRUV VRUJ HQV OVRVDVVRQ USUHQWQD
DODGWQHD HQXQHVQDG CDT HCDJ Q HMD HQM
V SUP IGD 3RUFRQMJ IHQW QR SRGP RVSRQHUHQ
G GD IGDY YHGCHDV VR SUHWK GTHDDR
HJWA Q IRVHQ DRRRT HT Li QRVHQ DDHQOW
FRVDP i VELHWV VQR F DQGR D Q QR SRVHP RVGH
IRV QQ QDIGHDROID GWQD HVGHFU F DQGR
SRU O FRQMHDyQ DWQD GDFRQRHP IHQX T H
SRVHP RV GHORUJ HQ GHWQDV OVRVDV QR HFRQ
WD P RV QDGT H QRV DJ UHT HQR HJWA VPH
MQA HQ DGRU FRQ O P D FHWAD FRQ T H
UHDI RQDQR VREH O QDWUDID GHOWLQ Q KD
OOP RVT HV VWHViQ QVVRQJ DODGRVUHWV
SHR VLWQHP RVGH IRV Q FRQRHP IHQX FRP R HO
GHOWLQ Q HQXQHVWQDG GDFHSDHH Df
FRP R SRGP RV OJ DUDHWFRQRHP IHQX PDR GHO
WQ Q D QT HQR VSDP RVHRQH DFWWGVLQ Q

SHR Q VEHFRQ WD HQM S HVQR VEHFyP R HQ DQGRV
HQGRV VDQRDRHWRQH QDQH Q RQDHD Q H RT H
GHDV SHRQDG OVRUJ QDSMQRQDIOHQH WQCRVW
CHUT HQDQCRVHDPIQ GRHF 1 ' H SS Q
JUJR DOWWQ OQQR OSDQED' HLGH IRV FRUHHyQ
T HKDVRK KHDKDSRUQWQD FHyQ KRDQGHIDH HV
DHP i VQHMDDDHQCR 1 RWGH SS KQ

VREHIDQR HQ D DORUQRVH WDIID D SRGP RVQJ DU
 DJJ DDFRQRFP ILQW GH IRV D QT HQR VHSDP RV
 FRQH DWWGVLQR H IWDQ QVREHIDQR HQ D DORU
 ISHQD SRVHP RV HM FRQRFP ILQW HQR EDWD
 FDP R KHGEKR SDDDMUF DO ILUG GDT HSR
 GDP RVWQHUHSHWK GHOWIGHDV PDDV GWXQDW
 0 i VD Q LVHSURFHGHUFWQ HQM ISQ QGRVHDQW
 WGR DQIQHWW DHyQ GHQT HGEHE VDWHSUL
 P HR VJ ILQCR VQ IQWU SHyQ HOHQDQDQD ILQW
 GHOWFRNDV LVHDEHFyP R GEHQ GHWIP IQDW
 QVSUREOP DVQW GHQWUHROHGV VLP SUH
 VH WQGJ Q OVIGHDV P i V FHDXW HV GHU PDDV
 GWXQDW OGDQDQH VLP i VT HQIQGHWW Q GHW
 Stuw UHSHWK GH QDQDQH DHyQ QR GH QDQH DHyQ
 T HpWASURQ QHMDVLQR HWYHDDQWADP QRE
 MK F R GHFRQRFP ILQW KDHIP SHIHWK Q HWR
 FRQRFP ILQW DFHFDGH HDFRND 3RUFRQMJ ILQW
 OGDQDQH VLP SUH GHQHGR VQ RGHQ GH OV
 FRNDV

7 DDFV VRQ OV F HWIRQHT HKHSURP HWGR
 WDUQHWDSUP HDSIHWGHP pWGR 1 R REWQ
 WA SDDQR RP IWWQGDGHQT HS GHFRQG FUD
 FRQRFP ILQW GHQWQGP ILQW GH VVI HUV
 WDW DQEUHMP HQWIGHOP HP RUD GHORQIGR
 7 HQQPT HFRQIGHDUSUQFISDQ HQWT HOP HP R

75 7 2 (5 () 250 ((17(1 , 0 , (172

UDVHIRWODHFRQHOFRQF UR GHOHQWQGP IIQW
WP ElpQ VIQ pO 5 HSHW GHSUP HUS QW F DQW
P DFRQRHIEOHV QDFRVDP i VIi FIO HQWVHUVWQH
DOFRQMDIR F DQW P HQVFRQRHIEOHV P i VIi
FIO HQWVHUVWQH RV 3 RUHMP SQR VLGLR DDQ IIQ
P HKD SDDUDV V HWW OV UHWQGJ FRQ P HKD
P DRUGLIE OWT HLVHOFVRP QER HQIRUP DGH
UHWK DP HP RUDVHIRWODHFWP ElpQVQHOD IOR
GOHQWQGP IIQW HQ UDyQ GOYJRUFRQ HOF DO
QDFRVDP DWDWQ QUDHFWOIP DJQDlyQR HO
VHQCR OOP DGR FRP Q JLR QDFRVDVQ
S HVWQ OVFRVDVQ QUDHFWQOIP DJQDlyQ
6LDQ IIQ SRUHMP SQR KD OICR QD VRD KIWUD
DP RURD QUDHFWQ P ElQDlyQ IIQWVQR ODYDIDV
GHP IP R JpQHR SRUT HHOSHP DQHHVRQHQV
IP DJQDlyQ SHR VLD YDUDVGHOP IP R JpQHR OV
IP DJQD DOP YH OVFRQ QGH Li FIO HQW JLR
WP ElpQ QDFRVDP DWDWOSRT HWQ OVFS HSRV
DHWQOIP DJQDlyQ DGR S HV T HOP HP RUD
VHIRWODHSRUHCHQWQGP IIQW VQpOUV OWT H
HOOGHEHVWDD QDFRVDCHWQDGHCHQWQGP IIQW
T HUVSHW CHpWAFRQMGHGR HQ V P IP R QR
KD P HP RUDQLROICR 4 p HS S HV OOP HP RUD
1 DQDPIVT HODVHQDlyQ GH OVIP SUHMRQV GHO
HUEUR QGDD QSHQDQ IIQW UHDWYR D QDG

UDlyQ GHMP IQDQD GH HWD VQDlyQ FRP R Q
 P HWD OUP IQMFQFD (Q OUP IQMFQFD HQ
 HHW~~K~~ HODD DWEQH HOS HQDP IEQW~~K~~ CH HWD VQD
 HyQ SHR QR HQFRQWQ ICED GHV G UDlyQ V
 ODIHDGHOWHQDlyQQR HVOWG UDlyQP IVP DGHOW
 VQDlyQ HV GHU HOQR HV SUREDP HQWV P H
 P RUD (QF DQW~~K~~ DVDEHUL OVIQHDP IVP DVHWQ
 V M~~W~~VDDQ QDFRUUSHyQ Q YHJP RVHQW) IONR
 ItD VLDP IEQ KDOODH~~W~~ P DEV UGR EDWMD
 SDDQ HW~~R~~ SURSyW~~K~~ FRQMGHDUT HF DQW~~K~~ P i V
 VQ OUV~~H~~ QDFRD P i V Li HQM VH OUV~~H~~QH
 FRP R DS DHHHQ HOHM S~~Q~~ P HQFRQDR GH i V
 F DQW~~K~~ P i VERQRHEOIV QDFRD P i V Li HQM VH
 OUV~~H~~QH HQRQGHUV OOT HQR SRGJP RVGH~~M~~
 GHUW~~W~~QH QDFRDVQ QDFMP D SRUSRFR T HVHD
 FRQRHEOI

6L00G UDlyQQR HV GHMP IQDQD HQFF HGR FRQHYDR
 GHOFRVDP IVP DFMP SHUFW~~K~~ FRP R WCRVS DHHQ KDFH~~Q~~
 ISUHQGR QDWDD HQM 6 HHGDP HQ GR T HSDDDP HQ
 WUOFUHCIDQG GH QWAWP RQIR HJLIP RVGQH F i QGR
 V FHGy HOKHKR UHICR QT HOWIGHDVSRHQWP ElpQ
 V G UDlyQHQ HOHS~~W~~ FRP R DRWP EUP RV GHMP IQDQ
 OOG UDlyQSRUOOP HGIGDGH QP RYIP IEQW~~K~~ RSHDlyQ T H
 VH HFWDWP ElpQ P HGDQW~~K~~ OIP D~~J~~IQDlyQ QR KLP RV RE
 VHYDR KDWDLKRDQQ QDP HP RUDSHW~~W~~QH~~W~~QDHS~~W~~
 UW S UR

75 7 2 (5 () 250 ((17(1 , 0 , (172

HP RV KHKR QD GWQHyQ HQWHΩIGH
YHQGHD ΩVGP i VSHFH\$FRQH K P RVP RV
WDR T HΩVIGHDVIP DJQGDV IDDV HW WQHQV
RUJ HQ HQΩIP DJQDHyQ R VD HQ FHWWVHQMR
QHVIRUWVW SRUDt GHEU VQQHR T HQR SUR
YHQQ GHO SRGU GHO HStUW VQR GH FD VD
HWVURUWV VJ QT HHOF HSR DGRUP IGR DGHV
SIEWU UHED HWV R DT HΩV P RYIP IHQXV T t
S HCHHQWQHHSRUIP DJQDHyQ QT HVHT IHD
FRQWOT HHQ VDFRDGWQΩGCHQWQGP IHQX
SRUΩF DOHDD DS HGD DGT IJUΩFRQGEHyQ GH
SIEHQW 3 HVQT HVHQWQGDHVIQGLHHQW FRQ
WOT HV\$DP RVT HΩIP DJQDHyQ HVDP QDFRWD
IQHWP IQGDSRUΩF DOHDD DSDGHV V\$DP RV
WP ElPQ FyP R QRV ΩEUDP RV GH HΩSRUP HGR GHO
HQWQGP IHQX 1 DOH VH VRUSUHQHJ S HV GHT H
DT t QR SUHEHDQ ΩH IWWQFD GOF HSR GH
RWIDFRVDVT HVQHMDJR FRQFHU GHT HKDEOI
VQ HP EDJR GHΩIP DJQDHyQ GOF HSR GHV
FRQWVWHyQ (QHFWK FRP R DΩ KHGEKR QT H
HQWQGR SRUHR HVQGLHHQW FRQWOT HV\$DT H
HV QDFRDIQHWP IQGD HW

HP RV P RWIDGR VQ HP EDJR T HΩIGH
YHQGHDHVWIP SΩI R FRP S HWΩGHIGHDVIP SΩV
FRP R ΩIGHDT HUHMΩFyP R SRUT p QDFRWD

H I W A R K D H I W G R K P R V P R W D G R W P E p Q T H
 G H Q I O H Q H Q H D D D H H W Y R V R E M Y R V S U R S R U
 H R Q D R V D D H H Q F D I R U P D O G H V R E M X Q T H
 H T M D D D R T H K D Q G E K R Q V D Q W R V T H D Y H U
 G D H D E L Q H D S U R H G H G H D V D D Q V H H W R V F R Q
 D D H H S H y Q V Q H P E D J R G H T H M P i V T H R V H
 S D V H K D F R Q H E I G R F R P R Q V R W R V D T t T H H D D
 P D R E U H V J Q O I H V G H M P I Q D E V F D L F R P R Q
 D W P D D H S I U W D O R Q H Q K P R V D G T I I G R K D D
 G R Q G H H D S R V E O I D O F R P I I Q R H O F R Q R F P I I Q W G H
 Q H W R H Q W Q G P I I Q W Q D Q R U P D W D G H D I G H D
 Y H G D G H D T H D Q R G E H P R V W P H U F R Q I Q G U D
 Y H G D G F R Q H O H U R U D I I E H y Q K R U D Y H J P R V V Q
 D R P E U T H S R G P R V F R Q R H H H H W V F R V D T H G H
 Q Q Q P R G R F D Q E D M D I P D I Q D H y Q T H D V K D
 H Q D I P D I Q D H y Q T H F R Q W D G H H Q H Q W Q G P I I Q W Q
 T H D V K D W P E p Q T H F R Q F H G D Q F R Q p O 6 D E H
 P R V H Q H H W X T H Q V S U R F H R V C H G R Q G H Q D H Q D W
 D P I J H Q V V H S U R G H Q V J Q R W D V D I H V H Q W D
 P H Q W G L H H Q W G H D V D I H V G H O H Q W Q G P I I Q W Q
 T H H D D D D H Q Q T H F R Q E H Q D D I P D I Q D H y Q
 H W V Q H Q D F R Q G H y Q S D M Y D 3 R U Q F D O H Y H
 W P E p Q F R Q T p D D D G G S H G Q F D U H Q J D Q G H V
 H U R U V T I I Q H V Q R K D Q G W Q I G R P H D W P H Q W
 D I P D I Q D H y Q G H O H Q W Q G P I I Q W Q (Q H W D F D M H H Q

75 7 2 (5 () 250 ((17(1 , 0 , (172

WQ SRUHMP SQ QV HIRUHVJ ILQW T HΦH
WQyQ F DVSDW VHGWW HQ UHD HQM QW
GRWWDV GEHHWWHQ QOJ DU GEHWUHQW T H
HWOSUP HR QERI QQP HQW CHWGDV OVRWDV
T HRF SDHQ Q P RP HQW QHSDEP P DVJ UDQH
T HHQRWR P RP HQW P FKDRWDVRSIQRQHVGH
ΩP IVP DV HW WGDV HQWDP HQW FRQWDLV DΩ
YHGG FRP R P RWWDHP RVHQV OJ DU

HJ R FRP R OVSDDUVIRUP DQSDWAGHΩ
IP DJQDHyQ HV GHEU FRP R IRUMP RVP FKRVFRQ
H\$WVWJ QT H SRU QDGWSRMHyQF DΩ ILDGH
F H\$R OVSDDUVHFRP EIQHQ VQ RICHQ GHWP L
QDR HQΩP HP RUD HVIG GEMIT HHOVS HGQ
FRP R Ω IP DJQDHyQ VH FD WD CH Q P HRVRV
JUDGH HIRUHV VLQR HWDP RVI HWDP HQWISUHDL
CRV JUJ DGT HHWQIRUP DDDVJ QHDSULKR
P DQHDGHYHUGHOY QR GHV HWAT HWRQVJ QRGH
ΩV FRWDV FRP R pWV VRQ SDDΩIP DJQDHyQ QR
FRP R VRQSDDHQWQGP ILQW (WK VHYFRQFΩ
UGDSRUHOKHKR GHT HDP HQ GR VHKDQISΩDGR
DWGDV OVRWDV T HHWQVQ HQ HCHQWQGP ILQW
QR HQ ΩIP DJQDHyQ QRP EUV QJ DWYRV FRP R
IQFRU\$yUR IQIQW HW WDP ElpQSRUHOKHKR GH

6JR ΩHGEHyQ SUQISH T HSRQH HOIQGEDWYR CΛQ Q
U 1 GH SS KQ

T H V H S U M Q Q J D W D P H Q M P F K D V F R V D V T H
 V R Q H Q U D D G D I L P D W D V D O I Q Y H D F R P R I Q
 F U H D R I Q G S H Q G H Q M I Q I Q M R I Q P R U D D S R U T H
 H H W D P H Q M I P D I Q D P R V F R Q P F K D P D R U D D Q
 G G V V F R Q D D R V p W V V H S U M Q M R Q S U P H D
 P H Q M D Q V S U P H R V K R P E U V D I S D D R Q Q V
 W P I Q R V D I L P D W D R V 0 F K D V D I L P D F R Q V Q J D
 F R Q V Q D H Q S R U T H O Q D W D D I D G H O V S D D E U D V H
 D R P R C D D H Q S H R Q R O Q D W D D I D G H O V F R V D V
 S R U H R V L J Q R U D P R V H M R V P D D P R V L i H O H Q M
 Q D D R S R U Q Y H G D H R

G P i V H M P R V R W D J U D Q F D V D G H F R Q
 I V y Q T H I P S I G H T H H O H Q M Q G P I H Q X U H O I F R Q H
 V R E U H V P D V R H Q H H M R F D Q G R Q R G M Q I P R V
 H Q M H O D P D I Q D F y Q H O H Q M Q G P I H Q X F U H P R V T H
 Q P i V L i H O H Q M I P D I Q D R H V W P E l p Q Q P i V R D D R

T H Q T H I P D I Q D P R V F U H P R V F R Q R F H Q 3 R U
 H M R D Q M S R Q H P R V Q T H G E H Y H Q U G M S p V H O R U
 G Q Y H G D H R V J Q H O F D O G E H Q R V D D Q D U V H K D
 W D M R U Q D R Q Q Q Q D F R Q P O V y Q O J t W P D H V S R V L
 E O I

3 D D O J D U D R U D D O V H Q Q D S D W G H H M I
 0 p W G R I Q G E D P S U P H R Q T H P H S U R S R Q R H Q

D U J O S U Q H S D O G H H M D S D M I F R Q M M I F R P R V H G H S U Q
 G H G H O S S U P H D H Q U H M D U R G D V O V I G H D V T H H Q F R Q W D P R V

75 7 2 (5 () 250 ((17(1 , 0 , (172

pO OHJ R QVP HGRV SDD DDDQ DOR (OSURSy VAK
HVSRVHU, GHVFOODV GWQW HVGHU WFRP R
SURYHQ GHOSHQDP HQRS UR QR GHQVP RYL
P HQXV IRUWV GOF HSR HJR SDD UG FIU
VGDV ODV IGDV D O QGDG SURF UDPP RV HQDQH
QDODV RUGHQDODV GHWDOP DQHDT HQ HWVR HSt
UW HQ F DQW OI VHD SRMEOI USURG FD
REMXDQD HQWQT HHWV IRUP DD HQWHQ OQDW
UDID FRQVGHDD HQ V VWDQDG WQW FRP R HQ
V VSDWW

(QF DQW DOSUP HUS QW FRP R DQ KH
P RV GEKR Q HWVR IIQ UHT IHHT H QD FRVD VHD
FRQHEICDR EHQS RUV VRQH QFIDR EHQS RUV
FD VDSU IP D DVDEHU VL QD FRVD H IWWHQ VL R
FRP R VHGEHFRP QP HQM HVHD VDGHt HOGEH
U VHUFQRQHCDHQWQHVS RUV VRQH QFID VL SRU
HOFRQWDIR QD FRVD QRH IWWHQ VL VQRT HUT IH
UH QFID VDSDDH IWW HQWQHV HOGEH VHUF

HQQRVWRV T HSHWQH HQDQWQGP HQRS UR DIQGH
GWQJ LDV GHODV T HIRUP DP RV SRU OIP DJQDyQ (WD
GWQH yQ VHQH HUJ WQW GHODV SRSILQH GHODV OIP DJQD
yQFRP R GHODV GHODQWQGP HQRS

QFHGDSRUV FD VDSU^y IP D S HV HQ UHD^QG FR
 QRHJUH^HW^R QR HVRWD^FRV^D
 T H DGT I^IU^I Q FRQR^EP II^QW^R P i V SHUH^W GH^Q
 HD^VD H P RGR T H M^Pi V GEHP RV P II^QW^DV VH
 WD^VGH HWGLU^OV FRVDV UHD^V H WD^VUFRQPOVR
 QVGHFRQHS^WRV DEW^DAR^V WQ^GHP RV J UQ F L
 G^QR GH QR P H^POU^Q T H HW^V Q^R HQ HO
 HQWQGP II^QW^R FRQ^QT HHW^VQ^OUHD^QG 3HR^Q
 FRQPOV^yQP H^MUHV^OT HVHQH^IU^I CH QDHMQFID
 SD^VW^V OUDIUP D^VYD R GH QDGHQ^HYQ YH^GQ^HD
 Q^Jt^WP D 3 HV GH^QV VR^QV D IRP DV QYH^VD^VV HO
 HQWQGP II^QW^R QR S HG^HGH^HQ^HUD^OV FRVDV VIQ
 J O^HV SRUT H^QVD IRP DVHH WQ^GQ^DQ^QQ^R
 QR S HG^HQ^HW^VAP IQDUDOHQWQGP II^QW^R DFRQVGH^IU
 QD^VFRVDV^VQ^V Q^UP i VE^HQT HR^VD D^VH^VY^VDSD
 UD^VQ^VQ^VD UFRQW^VW^VA S HV HQ IRUP DUSHQ^VD II^QW^RV
 SD^VW^VQ^HGR GH QDGHQ^HYQ G^QOD^V Q^R T H K^DHP RV
 FRQ W^VQ^R P i V p M^R ID^VQ^VG F D^VW^R P H^MUK^DD
 P RV GH^HQ^HGR QD FRVD V HOS Q^R SUQFIS^DOGH
 W^VGDHW^VH Q^QDS D^VW^VGH^O p^VGR FRQW^VW^VQ^R HQ
 HW^R FRQRH^VU^OV FRQGEIRQ^VCH Q^DE HQDGH^IQ^V
 HyQ OH R HQ H^DP RGR GH HQFRQW^VD^VO^V 7 UD^VW^V

H^MWT IP RV^VFRQ^VF HQD^VGHT HQD^VSRGP RVFRQR
 FH^VGH^Q 1 DW^VQ^VD VIQ DP S^VQ^VD^VYH Q H^MW^R FRQRL
 P II^QW^R CH^VQ^VD VDS^VUP HD HVGHU GH IRV

75 7 2 (5 () 250 ((17(1 , 0 , (172

S HV HQ SUP HUOJ DU GH ØV FRQGEIRQV GH ØGHL
QEHyQ

3DDT H QDGHIQHlyQVHD SHUHFWDGHEW
HSUHDUØHMQFDtQWP DGHØFRVD F ICDHP RV
GHQR SRQHUHQ HOOJDUGHHDHMQFDHWW SUR
SIEGDHV GH ØFRVD 3DD DPODU HWR D IDWDGH
HMP SØVT HGHMFKR SDDT HQRSDH FDT HT IH
UR UYHOU ØV HURUV GH ØV GHP i V WRP Dp VRØ
PHQWICHMP SØGH QDFRVDP DEWDWD T HVH
S HGH IQGIHIIQWP HQW CHIQU GH QD P DQHD
F DØT IHD HVGHFU HORUF Ø 6LVHØIGHIQHFRP R
QDIIJ WDHT H ØV ØQHVWD DØV GHOHQXR DØ
EUF QHICQD VRQ JI DØV QDGH GHW GH YHUT H
HWØCHIQClyQ QR HSUHDHQ DEROVW ØHMQFDGQ
RUF Ø VQR VØ ØQDGHV VSURSIQGHV D QT H
FRP R KHGEKR HWR IP SRWD SRFR F DQGR VHWDW
GHIIJ WD GHRWRVHQWGHUDyQ IP SRWD P FKR
GHIGHT HVHWWDGHWVHV ItVERV UHDW HHWD
PHQW ØV SURIQGHV GH ØV FRVDV QR VRQ FØD
PHQW FRQREIGDV P IHQWDV QR VH FRQRHQ VV
HMQFLV 6LSURWJ IP RVVQ GHWQHQRVHQ ØVHMQ
FLV WDWRQDP RV QHADLP HQW HO HQDQHQD
PIHQW GH ØV IGHV T H GEH USURG FIU HQ HO
HQWQGP IHQW HOHQDQHQD IHQW GHØ 1 DWUDID
QRVIDDMHP RVFRP SØWP HQWGHQ HWR IIQ 3DD

HWWUHDIDW KDW T HREHYDUHQ WGHIQEHyQ
WVHJWVJ IHW

, 6LVWWDGH QDFRVDUFWD WGHQL
HyQGEHJ FRP R KHP RVGEKR FRP SUHQHJHQHOD
WFD VDSW IPD 3RUHMP SWH HORUF Q VH QHWD
WJ WGEHJDGHQHWD QDIIJ UDT HHVGHFWWD
SRU QDQHDF DWD IHD FRQ QDHWHP ICEDG HWD
RWDP y YO (WDGHIQEHyQ FRP SUHQH PWD P HQW
HQW WFD WD SW IPD

, (CFRQH\$WGH QDFRVD R V GHIQEHyQ
GEH VH WOT H WGDV OV SUREHGDV GH WFRVD
S HGDQ VHUIQHGDV GH pOP IHQWDV VH WFRQHGD
VRW VQ DJUJ DWD RWRV FRQH\$WV FRP R VHS GH
YHUHQ HDGHIQEHyQ GHORUF Q (QHHW GHIOD
IQLIP RV PWD P HQW T H WGDV OV QGDV WD DGDV
GHDQW DWDHUF QHJQFDVRQJL DWD T HHW
WD QDFRQGHyQ QHHMDWD GH WGEHJHQHWD
HMGQWHQV SDHDREHYDGRUT HQR YDIOOSH
Q CHWQHWD GHP RWDRQ DFRP R WDP SRFR HV
QHHMDW GHDUGHWDWJ QDFRQGHyQ WFRQ
VF HQFDGHT HWGDGHQHWD GHEHWDUDP DWD
DEQ GH QDIIUP DHyQ GHDQWQGP IHQW SRFR
SURF SDGR GHWYHEDOF DODFD WDGHWSHQ
UDGHODWSDDUDV SRGJ DYHHVHSUHDWHDQIRU
P DQH DWD DQT HWHDHQWQGDDIP DWD P HQW

75 7 2 (5 () 250 ((17(1 , 0 , (172

(QF DQW DOW FRQGEIRQHVGH QDGHIL
HyQT HWHISOT HD QFRNDIQUHED VRQ OVL
J IEQW

, (OOGHEHH FOIUWGDHD VD HVGHU T H
HOREW QR KDGHU T HUSDDHSOEDWGHFRND
DQ QDI HDGHV VHSURSIR

,, 8 QDYH GEDOOGHIQHyQ GHOPFRND QR KD
GHKDEHUOJ DU\$DDHW\$UJ QW H IWWHADFRND

,,, 3RUQ T HVUHIIHDOPP HQW QR GEH
FRQWQHUV WQWYRVT HS HQQ VHUDOMMYDRV HV
GEHU T H QR GEH HSUHDWH SRU WUP IQRV DEV
WDWV

,9 (QIIQ DQT HHW QR VDP QHHDUR
DGYHWQR HVSHIYR T HCHHWGHIQHyQ VHS H
GQGHG FLWGEVOWSURSIHGCHOPFRND (WKR HV
HYGHQWISDDHOT HU\$DDHQHQ

HGEKR WOP ElpQT HOPP HUFRQFOVQ
VHQHUV GH QHMQHDSDW QDUDLP DWYD S HV
F DQW P i VHSHLOHV QDIGHD P i VGEWQDH
P i V FOODSRUFRQJL IEQW H GRQGH UV OOT H
GEHP RV E VDU DQW WGR HOFRQRFIP IEQW CH OY
FRNDVS DWF OOH

KRUD HQF DQW DORLHQ SIDDT HWGEV
Q HWDV SHHSFIRQHV HWQ QGDV RUGHQDV VH
WT IHH OUDyQ Q HJH T HIQW HV HP RVHQ

VJ IGD R DFT HVDSRVEOI VLH IWA Q6HU F iO
 HT HVHDFD VDGHWGCV OVRDV GHP RGR T HV
 HMQFIDREM WWDVHDWOP ElpQFD VDGHWGCVQ HWWDV
 ICHDV KQXQFHVQ HWR HS tUW FRP R DKHGEKR
 U\$URG FW ① DWUDDI D WQ SHIHFWOP HQWFRP R
 VDSRVEOI S HVSRVHL REM WDP HQWIV HMQFID
 V RUGHQ V QGG 3RUHQ SRGP RVYHUT HDQW
 WRGR HV QHHDIR IQHUU VLP SUH WRGV Q HWWDV
 ICHDV CHOVRDVtMEDV R VHD GHVHVUHDV DQDQ
 DQGR HQF DQW VDSRVEOI VJ IHQGR OOV FHM_yQ
 GH OOV FD VDV GH QVHUUHDORWR VHUHDQV SDDU
 DOOVFRDVDEWWDW J HQHDV VQIQHUUQDQDUO
 GH HWDVFRDV VQ WDP SRFR IQHUUUGHHDV Q VH
 UDO S HV DP EDV FRDV IQWUP SHQ HOYHGCHR
 SURFHR GHQWQGP IHQW D T H DGYHWW VQ
 HP EDJR T HSRUVHGHFD VDV GHFRDV UHDV
 QR HQWQGR DT t OOV FHM_yQ GHFRDV VQ OUVV
 MWDODHP EIR VQ WQ OOV FHM_yQ GHFRDV VQ
 HWQDQV 3RUQ T HFRQFHQH HQ HFWK D OOV FH
 VYQ GH OOV FRDV VQ OUVV MWDODHP EIR VHD
 IP SRVEOID OOGHEOOG K P DQDISUHQH OOWQW
 SRUV P OOWG V SHIRUD WRGD FDQWCG FRP R D
 FD VDGHEUF QWQFLV VQIQWVUH QGDVHQ QDVRW
 P VLP DFRDV FED QDGF DWHF QWQFLVS H
 GHKD HUT H OOFRDH IWD R QR S HV OOH IWDQD

75 7 2 (5 () 250 ((17(1 , 0 , (172

GHDVFRDVQR WQHFRQH lyQDQ QDFRQV HMQ
FD HVGHU FRP R DQ KHP RVHSUHGR QR HV QD
YHGQ HMLQD 3HR WP SRFR HV QHMDIR T HFR
QR FDP RVHDV HMyQ S HWR T HODV HMQFLV GH
ODV FRDV VHQ ODHV V HWDV DQHDP EIR QR GEHQ VH
IQHIGDV GH HWDV HMyQ R WD GH V RUGHQ GH
H HWDQFLD HOF DOWQ EUQGD CHQRP IQDFRQH H
WQHFDV UHDFRQHVR P i VEHQHUF QWQFLV WRGR
QF DOHWW KDW DDMR GHODHMQD tQWP DCHODV
FRDV (WDHMQFD SRUHDFRQHDIR GEHE VDW
WQHQDFRDV HWDV HMLQD WP ElpQHQDFVHV
HQH HWDQ HQ HODV S HGH GEFLSH YHGQHDP HQH
FRGFLEDGV VJ QODV DDFVHKDHQ VRICHQQ
WRGEV ODV FRDV VHQ ODHV HQ UHDFG HDV FRDV
VHQ ODHV VRP HIGDV DQHDP EIR CHSHQHQ WQ tQW
P DP HQH WQHMQFDQ HQH SRUGHU DQ CHODV
FRDV HWDV T H VHQ pWV QR SRQHDP H HWDV QL VH
FRQHIGDV (WDFRDV HWDV HMLQD DQT HVHQ
VHQ ODHV VHJQ S HV SDIDQRVRWRV DFD VDGHV
RP QISUHMQFD QH V HWDQMP R SRGHU FRP R
QYHWDQVR J pQHFRVUHS HWR CHODHMQHFRQHVGH
ODVFRDV VHQ ODHVP GEODV FRP R ODFD VDVSU
IP DVGHWRGEVODVFRDV
QT HVDDt QDFRQHIDEQHIGLIF QWQ
SDHHHQHHDQDODVHDFHODQDUDDFRQHDP H QWQ

GHHDVFRDVVIQ OJH S HVFRQFHEDWVGVDFO
 YH VREH\$DD FRQ H FHR OVI HUDV GHOHQWGL
 P IIHQX K P DQR 3 HVFRQFHQVJ QHOF DOHVQH
 HHDUR T H QDFRDVWD FRQFHEDDQWVT HRWD
 QR GHEH FRP R KHP RVGEKR IQHILWGHODV HMyQ
 GHODV H JWWQFLVQL WP SRFR GHODV FRDV HWAQD
 S HVHQpWVWVGDVODVFRDVVIQ OJHVRQSRUQD
 WUDID VP CWQHV DEJ S HV QHHDDP HQW
 T HE VFDUP HGRVGEWQRVCHQVT H VP RVSDD
 FRQFHUODVFRDV HWAQD VVODHV FRDVDT HQR
 FRWHSRQGH WDQD DT t WP SRFR HV QHHMDUR
 P IIHQWDV QR KD DP RV DGT IIUGR Q FRQRFIP IIHQX
 V IIHQX GHODVFRDV HWAQD GHV VODHV IQDD
 EOY P IIHQWDV QR FRQR HDP RV OQDWUDID GH
 Q HWGRVWHQGRV

QWAGHIQWQWUHFRQRFIP IIHQX GHODVER
 WDVIQ OJH FRWHSRQGHWDQDGHQVP HGRVT H
 VHIIHJQDHWAQD VDHU WDQDUQ HWGRVWQGRV
 UHDQDU VH QHODV HQ Q RUGHQ GHWDP IQDR
 HSHIIHQDV IIHQWSDDGHWDP IQDUDFRDVDT H
 VH HWGD SDID FRQFOIU HQ IIQ VH Q T p ODHV
 HWAQD FDDFRVDFRQWTH DGT IIUFRQRFIP IIHQX
 GHV QDWUDIDIQWP D FRP R Q P RWWDp HQV O

75 7 2 (5 () 250 ((17(1 , 0 , (172

J DU T t S D D Y R O H U D Q H W R G M J Q R S U R F W P
V R O P H Q M I Q G E D U Q T H S D U H H Q H M D I R S D D O J D U
D O F R Q R E P I H Q X G H O V F R V D V H M L Q V S D D I R U P D U
V V C H I Q H R Q V D M W Q E D D O V F R Q G E R Q V D H Q Q
F I D E V

S D D H R H V Q H H M D I R U H R U C D U Q T H V H K D
G E K R P i V D U E D H V G H E U T H V L H O H S t U W V H F R Q
W D H D Q S H Q M P I H Q X F D O I H D D I I Q G H H D P I Q D Q
F I Q D R V D P H Q M S H G H G H U G H p C H Q E H Q R U G H Q Q
T H O J t W P D P H Q M S H G H G H U G H H Q F D R T H V H D
I D O R G H F E U W V I D O H G G V L S R U H O H R Q M D I R H V
Y H G D H R H Q X Q H V S U R V J I U I H D P H Q M G G
H E Q G R G H p O V Q I Q M U S H y Q D Q Q D F R V D V Y H C D H
U V (W X G J R H V U T H G R S D D Q H W R S U R S y W X
S H V V Q Q S U Q H S I R Q H W R V S H Q M P I H Q X R V Q R
S H G H V U G H W M P I Q D R V 6 L T H F P R V S H V I Q
Y H W J D U F i O H V O O S U P H D G H O V F R V D V H V Q H H M D I R

(W D I U D H T H R Q M W W H O P D R U S D M G H O S i W D R
S D H H H V U Q D Q R W D J U J D D S R W A U R P H Q M D S D D E U D D t
S R U O F D O F R P I H Q D O I U D H V J I H Q M H V O F R Q M Q D H Q G H
O V S D D E U D Q R H U W B Q H U D D R D t T H V H Q F H Q M D Q H Q H O
S i W D R 6 R E U H H W R Y p D H H R S R O E E E 1 G H
S S K Q
6 J J R O O F H y Q I H Q H U G G D H Q Q R W D S R U Y D Q 9 Q W Q D Q G
H O M W X G E H D D O H U 1 G H S S K Q
J U J R D O I U D H O D Q D W O F R P R V H H Q F H Q M D H Q Y D Q 9 Q
W Q D Q G Q D Q H D H y Q 1 G H S S K Q

T H H I W D D P Q S U Q F I S I R T H G U N D Q H W R V S H Q
 V D I I Q X R V K D D L H O O G P i V S H W T H H O P p W G R
 H H O F R Q R H P I I Q X I U O I Y R P I V P R H W A S U Q F I S I R
 T H K D G H G U J I U Q H W R V S H Q D P I I Q X V Q R S H G H
 V H R W D F R V D T H H O F R Q R H P I I Q X G H O T H E R Q W W
 W H O I R U P D G H O O Y H G G H O R Q R H P I I Q X G H O Q
 W Q G P I I Q X G H V V S U R S I E G G H V G H V V I H U V
 D Q G R K D D P R V D G T I I U G R H W R V W Q G P R V Q
 S U Q F I S I R G H O F I O S R G H P R V G H G F I U Q H W R V S H Q
 V D I I Q X V Q D Y D S R U O F D O H O H Q W Q G P I I Q X
 S R G U H Q O P H G C D G H V F I S D M G G O J D U D O R Q R
 H P I I Q X G H O V F R V D V H W I Q D V D M Q I G R D V V S U R S I D V
 I H U V

6L F R U H S R Q G H D O Q D W U D D G H O S H Q D
 P I I Q X I R U P D U I C H V Y H G D H V F R P R V H K D P R V
 W D O R H Q O S U P H D S D W I K D T H I Q G I D U T t Q
 T H H Q W Q G P R V S R U O V) H U V D O 3 R W Q F D G H O
 H Q W Q G P I I Q X 3 R U T H V L O S D W A S U Q F I S D O C H Q H V
 W R O p W G R F R Q M W H Q F R Q R H U S H I H F D P H Q M O V
 I H U V G H O H Q W Q G P I I Q X V Q D W U D D H W D P R V
 Q H H D U P H Q W R E Q D O R V S R U Q T H V H K D G E K R H Q
 H W D V H Q Q D S D W A G H P p W G R D G H G F U H W A R Q R
 H P I I Q X G H O O G H I Q E l y Q P I V P D G H O S H Q D P I I Q X
 G H Q W Q G P I I Q X 3 H R K D W D K R U D Q R S R V H D P R V
 W H O V S D D K D O O G H I Q E R Q V F R P R Q R S R G H P R V

75 7 2 (5 () 250 ((17(1 , 0 , (172

HWE OF H^WV^ULQR FRQRH^P RV^WQDW^UD D HVGH^U
ΦCHIQ^{Hy}Q^GH^Q Q^WQ^GP^IQ^W GH^V SRW^Q D VH
IQL^UH^GH^WT H^WGH^QHy^Q G^{HO}H^WQ^GP^IQ^W
GEHV^UPO^DSRUV P I^P DR T H^QR SRG^P RVFR
QR^FH^UQ^WD P^OQ^D H^QW^U 0 DV H^WD GH^QHy^Q QR^W
SRUV P I^P DR H^QW^U P I^P D DEVROW^P H^QW^U P^OD
3 H^WW^UT HS^DD^T HSRG^P RV SHF^EU P^OD GV
W^QW^U H^QW^U O^VSURSI^HGH^V G^{HO}(Q^WQ^GP^IQ^W GH
E^P RV FRQRH^UV Q^WU D D FRP R^WGH^WCR^W
T H^WQ^WP RV Q^YH^GHR FRQRH^P I^IQ^W ΦCHIQ^{Hy}
Hy^Q G^{HO}H^WQ^GP^IQ^W VH^WD^D SRUV P I^P D V^L
FRQ^WGH^UP RV FRQ D^WQ^{Hy}Q V V SURSI^HGH^V G^{HO}(Q^WQ^GP^IQ^W
O^VH^WD I^QD^WP RV F I^GDRV^P H^QW^U W^WD^WP RV GH
Q H^WW^URV^WW^U P H^QW^UVIQ^WD^WV

DV SURSI^HGH^V G^{HO}H^WQ^GP^IQ^W T H^KH
V^WD^DGR SUQ^WIS^D H^QW^U T HFRQR FR VRQ O^VV^L
J I^IQ^WV

, 4 H^WP S^OED^OFH^WG P E^UH HVGH^U V^WH
T H^WVFRV^WVRQ IRUP D^D H^QW^UFRP R H^WQ FRQW^QL
GVHQ^pCREM^WW^UP H^QW^U

,, 3 H^WFEH^WH^WVFRV^W R V^WD IRUD^WH^WV
I^GH^VDEVROW^P H^QW^U IRUD^WH^WVGH^WD^WVGH^V V^W
IRUD^WΦIG^WDGH^WQ^WGD^WDEVROW^P H^QW^U V^WQ YIW^WD

RWDV SHR QR IRUD OV IGHV GH P RYIP IHQX VQ
 DMQHUD OIGHDGHFQXEG

,,, DV IGHV T HIRUD DEROWP HQWH
 SUHQ QDIQIQLWG HQF DQX DOV IGHV CHWPL
 QEDV OV IRUD GHRWDV IGHV V SDD OIGHD GH
 HDQXEG F DQGR OSHIEHSRUV FDVD HQXQHV
 CHWPL IQD QDFQXEG FRP R SRUHMP SQR F DQGR
 FRQHEH T H GHOP RYIP IHQX CH QDV SHIEH VH
 HQ HQGD QF HSR GHGH QDQHD QDV SHIEH
 GHGH QS QR QDQHD WGVHWW SHFH\$FRQHV
 QR FRQHEH HQDKDHUP i VFOD OIGHDGHFQXEG
 VQR VRDP HQWDGHWPL IQDU QDFQXEG R F DOWH
 FRP SUHQH SRUT HFRQHEH RVHDV FRWDV FRP R VL
 QDHDQ GHOP RYIP IHQX F DQGR VQ HP EDJR QR
 SHIEH RVHDV RYIP IHQX DQW GHKEHUSHIEHGR
 ODFQXEG SRGP RVWP ElpQSURQJ DUOQIQLW
 HOP RYIP IHQX T HHQ HQGD ODFQHD FRDT HVHD
 IP SRMEOIVLQR WYIUP RVIGHDCH ODFQXEG IQL
 QW

, 9) RUP DIGHV SRWWDV DQW GH IRUP DU
 IGHVQJ DWDV

6) J R ODFHlyQGDGSRUYDQ9 , RWQ DQGHQHOWV FUR
 T HHV SRVEOIMWWDHMDJ UP DWDH DQW KDHQGR GHDF
 WDMR ICHP QDSDEUDS HWDHQISRVHlyQ HOMHQGR P H
 SDHHHP i VWDWWDWUR T HLVHV WWW H FRP R VHKDSUH
 WQGR SRUHQRP IQDWYR ICHD 1 GH SS KQ

75 7 2 (5 () 250 ((17(1 , 0 , (172

9 3 HIEHODVFRDVQR WQW HQOG UDlyQ
FRP R EDE FHWIRUP DGH HAWLQG G R GHIQI QWG
Q P pUED R P i VEHQ QR DHEQH SDD SHIELU OV
FRDV QLDOQ P HR QLDOG UDlyQ DQGR VHUh
SUH QD OV FRDV SRU OIP DJQDlyQ HQXQFH OV
SHIEHEDM OIRUP DGH QQ P HR GHWP IQGR GH
QDG UDlyQ GH QDFLQWEG GHWP IQGEV

9, DVIGHDT HIRUP DP RVFODV GWQ
WSDHHQIOIUCHOVRQHQHMGCHQ HWDQD
WUDID GH P DHD T H VHP HQ GH HQHU
DEVROWP HQAGHQ HWDVRQSRWQFD Q FRQWDUR
RF WHFRQOVFRQ VDVS HVDP HQ GR VHIRUP DQD
SHDUQ HWK

9,, (OHStUW S HGH GHWP IQDU GH P
HKDP DQHD OVIGHD GH OV FRDV T H HOKWQGL
P IEHQW IRUP D GH RWDV IGHV SRU HR SDD
GHWP IQDU SRUHMP SQR QSODR HSWER IP DJQD
QS QW ISODR FRQWD QDF HQDT HVHP HH
DQHGRUCHGRVS QWVIVW R FRQIEHS QWVIQ
IIQWV HQ Q P HR T H P DQWQHQ FHW UHDlyQ
FRQWDQW FRQ QD QHD UHW R WP ElpQ Q FRQR
FRWDR SRU QSODR REOF R F R i Q Q GHQF
QDlyQ VDHP DRUT HHQHOYpWGHFRQR R SUR
HGHW P ElpQ GHRWDV IQIQWVP DQHDV

9,,, DVIGHDV VRQ WQW P i V SHIHWW
 F DQW P DRUHV WSHIHFWyQ GHOREWW T HH SUH
 VDQ QR DOP IUD RVJL DD HQW DODWWWT HKDFRQ
 HEIGR QDJ OMDF DO' IHDT HDOT HKDIGHDR Q
 WP SOR P DJQIER

1 R P HGHWQ R DT t HQ RWRV P RGRVT H
 SHWQHQ WWP EJPQ DOSHQDP IHWQ FRP R HOP RU
 ODDJUD HWpWID S HVHQRVQR FRQHHQDQ HW
 WR GHM QIR SUHQM QR S HQQ VHFRQHEIGR
 DQW GHKDEHUSHHEIGR HOHQWQGP IHWQ T MGR
 pWWI WGR HOHWK CHMS DHF

DVIGHDV IDODVR IP DJIQDEV QDD SRVHQ
 GHSRWYR FRP R Q KHP RWDR V IHEHWQ P HQW
 SRUQ F DOP HH FDQ WGHQRP IQDyQ GHIDDW GH
 IP DJIQDEV VHP HQW GHM QDyQ FRWHSRQH D
 QDIDWGHFRQRIP IHWQ 3RUHR OVIHDVIDDW
 IP DJIQDEVQR S HQQ FRP R WWD HQH DQRVQDD
 GH W HQD GHOSHQDP IHWQ HWI FRQRIP IHWQ
 GEHDGT IWWGHGHDVSURSIHGCHVSRWYDV DHQ
 P HGDGV HVGHUT HVHGHEHWWOHHUDP QDFRD
 T HVHD FRP Q GHCRQH HDV SURSIHGCHV SURH
 GQ QHHDIDP HQW R WD DQR T H HWEOFGDV
 H IWWQHD HDV SURSIHGCHVHVJ DQ QHHDIDP HQW
 V SUP IQDV H IWWQHD HDV SURSIHGCHV T HQQ
 V SUP IQDV

7 5 7 2 (5 () 2 5 0 ((1 7 (1 , 0 , (1 7 2

T t FRQFO HHOP DQ VUNK