



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP\_! qZ\_! \$  
TFP\_)v\_ \$v! \$

VZHNfZ ov zL NM, TEF. 3[, FEF. 58[,

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvXCZ IJSF; s5l`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP\*q#qZ\_! \$ GL VZHLYL; [ZT OL:8eS TFP; [ZT ; L8L DMH[ZFNZ GF ZUgI]; J[  
GAZ (\$q\_Z4 S[H[G[8LP5LPGR#\_sZFNZf4 VMP5LPGR\*#4 OFP%, M8 GR! ! \* ; HI SIMVM5ZBLJ  
Cfp; LU ; M; FI 8LGF GFD[VM/BFTL ; M; FI 8LGL DFICTL D]NF GR! YL # AFATP

; NE"ovVZHNfZGL TFP)q\$! \$ YL V5L, G~~RSMC/WZ/FAP~~/1 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZFST IJOFI VG[; NE" AFAT[H6FJJFJ]S[ VZHNfZ wJFZF TFP\*q#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL  
0%l [L . HGZ VG[ DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF J[; 8hMG[ SZJFDA VFJ, P HI  
J[; 8hMGqVFZP8LPVF. Pq! \_\$) 4 TFP\*q#qZ\_! \$ YL GMWF[ , CTLP HGF VG; WFG[V+YL HFCZ DFICTL VIWSFZL VG[OP. HGZ4  
5l`RDhMG TZOYL 5+ GRJ[; 8hMGqVFZP8LPVF. P; [; q#\_4 TFP\*q\$Z\_! \$ YL IGI T ; DI VZHNfZG[D]NF GR ! YL # AFAT[  
DFICTL D[/JJF DF8[ SZ[ , 5]; TEJDA]NF GR! DA VZHNfZG[-FP&qv EZL DFICTL D[/JJF H6FJ[ , T]PH D]NF GRZ VG[# DA  
IJ:TT ; DH DF8[NOTZL . g: 5\$XG SZJF DF8[ TFPZZq\$Z\_! \$ GF ZMH A5MZ[! o\_\_\_ S, FS[; \$XG VM0; ZzL ; D1F CFHZ  
ZCJF H6FJ[ , H]DAIGI DMG]; FZ OL EZ5F. SI [YL DFICTL 5ZL 5FOJFDA VFJX[T]D H6FJ[ , CT] 5ZT]; NZ VZHNfZ NOTZL  
. g: 5\$XG SZJF VFJ[ , GYLP

VZHNfZGL V5L, VZHL ; NE[TVMIGL DFU6L VgJI [D]NF GR! YL DFU[ , DFICTL ~FP&qv EZL D[/JL UI[ , K[  
5ZT]; NZ :SLDGM DHZ SZ[ , [vVfp8 % , FG TYF ZHF RL9LGL ; 8LOF. 0 5DFI6T GS, GL DFU6L SZ[ , K[T]PH D]NF GRZ VG[  
# DF8[ . g: 5\$XG SZL UI[ , GYLP H[ VU[ ; NZ VZHNfZ[D]NF GRZ VG[# DFICTL DF8[GFZFH Y. V5L, SZ[ , KP VFY4  
VZHNfZG[D]NF GRZ VG[# AFAT[D]/ VZHIGL DFICTL 5ZL 5FOJF OZ . g: 5\$XG VF5LVP

vo CSD ov

VZHNfZGL TFP\*q#qZ\_! \$ GL VZHLYL DFUJFDA VFJ[ , L DFICTL 5SL V+[Gf hMG[ , FU] 50TL D]F GR! GL  
DFICTL HFCZ DFICTL VIWSFZL VG[0%l [L . HGZzL wJFZF DFICTL 5ZL 5OFI [ , CMI 5ZT]D]NF GRZ VG[# DF8[5+ , BJF KTF  
VZHNfZ VFJ[ , G CMI VZHNfZG[CSLST, 1FL DFICTL VU[HFCZ DFICTL VIWSFZLGM VFUMTZM ; DI D[/JL ; "5S"SZL , FUT  
Z\$OG). g: 5\$XG SZL I MuI H6FTL GS, IGI D \*s5f C9/ GS, RFHL; EZL D[/JJF :JT+ KP

s OLP VDP HZLJF, F f  
V[5], [8 VF]0; Z VG[  
SFI "5F, S . HGZ  
s5lzd hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

5]T4

s! f HFCZ DFICTL VIWSFZL VG[0%l [L . HGZ4 XCZ IJSF; s5l`RDhMGfPPPPPHF6 TYF VD, DF8P

sZF VF; LP GFD, VF]0; Z VG[VFZP8LPVF. P; [; 5]TPPPPPPHF6 DF8P

s#f zL NM, TEF. 3[, FEF. 58[, TVMIGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJFZF SZJFDA VFJ[ , IGSF, ; AA HF6 ; F-P



OLPV[DPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[JZ; ZM04 TFOJF0L4  
gl ]ZFN[Z ZM04; [ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP\_ZqZ\_! \$  
TFP! ! q\_ \$qZ\_! \$

VZHNfZ ov zLDTL DGLQFFA[G **W/D.O** ULZLZFH EUJTI; C NMOLI F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VFSFZ6L J; ], FT VIWSFZLs5l`RDhMGvZFN[Zf

OZLI FNGL CSLST ov

IJQFI ov VZHNfZGL TFP\*qZqZ\_! \$ GL VZHLYL N\$FG GR! 4Z zLWZ SM[5, [f U[ 8FJZGL ; FD[VFGN  
DC, ZM0 8GFD[8 GR! \*AlvZZv\$\$\_! v\_v\_\_\_! VG[! \*AlvZZv\$\$\_5v\_v\_\_\_! 4 N\$FG  
GR5 S<5GF XM5LU ; [8Z Ufpg0 0, MZ 5F, G5Z 5F8LI F 8GFD[8 GR! &0lvZ! v\*#Z! v\_v\_\_\_!  
TDH Z\$4 5[5S SMPVIPCp; M; FI 8L4 ZMB, F 5LZGL NZUFC 5F; [ZFNZ ZM04 ; [ZT 8GFD[8  
! \*Alv\_\*v! 5\$! v\_v\_\_\_! JF/L DL, STMGF N: TFJHMM , BF6M VZHLMVTDH VZHLVM; FY[  
ZH]SZ[ TDFD TDFZGL ; ICvI; SSFJF/L GS, VF5JF AFATP

; NE"ovVZHNfZGL TFP! ! q\$! \$ YL V5L, G[SMC/WZ/FAP/02Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZF\$T IJQFI VG[ ; NE" AFAT[H6FJJFG] S[ VZHNfZ wJZF TFP\*qZqZ\_! \$ GF ZMH DFICTL DFUTL VZHL  
HFCZ DFICTL VIWSFZL VG[VFSFZ6L VIWSFZL4 ; [ZT DCFGUZ5FI, SF J[ 8hMG[SZJFDFVfJ[ P H[ J[ 8hMGqVFZP8LPVF. Pq) \$&4  
TFP\*qZqZ\_! \$ YL GMMFI [ CTIP H[GF VG[ WFG[V+YL HFCZ DFICTL VIWSFZL VG[VFSFZ6L J; ], FT VIWSFZL4 5l`RDhMG TZOYL  
5+ GRJ[ 8hMGqVFZP8LPVF. P; [ q! &##4 TFP&q#qZ\_! \$ YL IGI T ; DI DAVZHNfZG[H6fj] F D]HA DNF GR! DA~FP\$&qv TDH  
DNF GRZDA~FP\$qv TDH DNF GR# DA~FP! \$qv D/L S[ ~FP&\$qv TFP! \_q#qZ\_! \$ GF ZMH VZHNfZV[ EZ5F. SZL DFICTL  
D/J[ KP

H[ VU[ VZHNfZ[ TFP! ! q\$! \$ GF ZMH SMC/WZ/FAP/2 YL GFZFH Y. V5L, SZ[ K[ H[GF B] F; FDA  
HFCZ DFICTL VIWSFZL TZOYL H6fj] F D]HA DNF GR! DA 8GFD[8 GR! \*qAlqZq\$\$\_! q\_q\_\_\_! VG[! \*qAlqZq\$\$\_5q\_q\_\_\_!  
JF/L ID, STGF GFD TANL, SZJF ZH]YI[ , N: TFJHML GS, DFUJFDFVfJ[ P H[ ; NE[SRZL BFT[p5, aW Z\$0GL RSF; 6L SZTF  
; NZC] ID, STM VFSFZ6L NOTZ[ NFB, SZTL J[ F zLWZ SM[5, [f SMPVIPCp; MPwJZF V+GL SRZLG[ ZH] SZJFDFVfJ[ ; eI MGL  
I FNL N\$FG GR! G] XZ[; 8LPp5, aW YI[ , T[ ; ICT NFB, YI FGL TDFZMGL GS, VZHNfZG[ VF5JFDFVfJ[ , KP ti FZAFN SM.  
GFDQZ YI[ , GYL H[GL GS, p5, aW G CMJFG[SFZ6[ VF5JFDFVfJ[ , GYL TDH DNF GRZ S<5GF XM5LU ; [8Z4 5F, G5Z 5F8LI F  
N\$FG GR5 Ufpg0 0, MZ 8GFD[8 GR! &q0LqZ! q\*#Z! q\_q\_\_\_! JF/L ID, ST VU[ GFD TANL, YI F VU[GL N: TFJHL 5ZJFGL GS,  
DFUJFDFVfJ[ P H[ ID, ST ULZLZFH; C EUJTI; C NMOLI FGF GFD[ CF, DA GMMFI[ , K[ H[YL GFDQZGF TDFZ ; [ZT  
DCFGUZ5FI, SFGF Z\$0" ~<; C[9/ ; 1FD ; tTFGL DHZL VgJl [GF XZJFDFVfJ[ , K[ H[YL VF5L XSFI TD GYL TDH NOTZL  
5IZI: YITGL DFICTL VZHNfZG[5F9J[ , VG[Z\$0"GFX VU[GL DHZLGL NOTZL Z\$0GL GS, M VF5JFDFVfJ[ , K[TDH DNF GR# C[9/  
Z\$4 5[5S SMPVIPCp; MP ZMB, F5LZGL NZUFC 5F; [ZFNZ ZM0 8GFD[8 GR! \*qAlq\_\*q! 5\$! q\_q\_\_\_! JF/L ID, ST VU[ DFI, SL  
TANL, SZJF AFAT 5ZJF DFUJFDFVfJ[ P H[ ; NE[ Z\$0GL RSF; 6L SZTF ; NZ ID, ST ! ) ) \$q) 5 YL VUfpg JOMYL  
EUJTI; C S[ ZLI; C GFD[RF, L VFJ[ , K[ti FZAFN SM. 56 GFDQZGL SFI "JFCL YI[ , GYIP H[YL T[VU[SM. Z\$0"p5, aW G CMJ  
VF5JFGMZC[TMGYLP 5ZV]; NZ ID, STGF JWZFZGF AFWSFDGF TDFZ p5, aW CMI T[VU[GL GS, M VF5JFDFVfJ[ , KP

PPPZPPP

v0 CSD ov

VZHNfZGL TFP! ! q\$z\_! \$ GL VZHLYL V5L, AfAT[V+Gf IJEFUG[D/] CMI VG[HfCZ DFICTL VIWSEZL  
TZOYL NOTZL p5, aW CSLST, 1fL DFICTL 5ZL 5f0, CMI T[VU]SM. IJXQf CSD SZJFGM ZC[FMGYL 5ZT] VZHNfZG[GfZFHULG]  
SFZ6 ZCJf 5FD, CMI T[MIG[~A~ ; FE/JFGL TS VF5L DFICTL D/, K[T[AfAT ; ]GlxRT SZJF VFYL HfCZ DFICTL VIWSEZL  
VG[VfSEZ6L VIWSEZLzLG[H6fJJFDfVfJ]Kp

s 0LP VDP HZLJf, F f  
Vf, B Vf0; Z VG  
SfI 5f, S . HGZ  
s5lzD hfGvZFNZf  
; ZT DCFGUZ5fI, SFP

5|T4

s! f HfCZ DFICTL VIWSEZL VG[VfSEZ6L VG[J; ], FT VIWSEZLs5I`RDhMGfPPPPPHf6 TYf VD, DF8P  
sZf Vf; LP GfD, Vf0; Z VG[VfZP8LPVF. P; ] 5|TPPPPPPPHf6 DF8P  
s#f zLDTL DGLQfFAG T[MIGL V5L, VZHL VU[p5ZGL IJUTGfCSD wJfZf SZJFDfVfJ, IGSf, ; AA Hf6 ; F~P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ] ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP\_ \$qZ\_! \$  
TFP! &v\_ \$v! \$

VZHNfZ ov zL GZ[X V[GPAYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvXCZ IJSF; s5I`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP\$q#qZ\_! \$ GL VZHLYL J[8hMGDAID, ST 8LSF GR#q#) 4 ZFNZ UFDT/ D0/4  
A[ VMD AZMDF45L5<; A[ 5F; [ DHIL, 4; MGL 0/LI F4 ; [ZTGL ID, STGF VFZP; LP; LPAFWSFDGF  
DHZ %, FGGL ZHF IR9LGL OMD"GRV[Alq; L 5+SMGL VFIS8SqV[HLIGI ZGL IGD6[GL4I PV[; P; LP  
V[8v&s! fGL4 S. TFZLBYL AFWSFD 5Z]SI F"VUJGL4 AFWSFD Sd5[; 8 VU[; 8LP4 ; GNGL4  
\*q! Z GL VYJF JRF6 N: TFJHGL4 VFSFZ6LGF K[; F AL, GL4 VFU/ AFHJYL Ufpg0 0, MZ ! 5  
O[ VNZYL AFHIF VUJGL4 DHZ %, FG VG[; FZGF AFWSFDGL VFU/GL ; F. OG! 5 O[ KM0I F  
; FYGF OMBUFO; GL Z: TF DFHLGGF5F8", FGGL4HDLG , [vJR YI[; CMI TM; [8= V[; F. hGF  
R, 6 E I F"VUJGL GS, GL DFICTL AFATP

; NE"ovVZHNfZGL TFP! &q\$! \$ YL V5L, G[SMC/WZ/FAP/04 Z\_! \$q! 5GL 5YD V5L, AFATP

p5Zf[ST IJOFI VG[; NE" AFAT[H6FJJFG] S[ VZHNfZ wJFZ TFP\$q#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL  
O%l [L . HGZ VG[ DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF J[8hMG[ SZJFDF VEFJ, P H[  
; [8= hMG VF. POLPGRZ5#) 4 TFPZ(qZqZ\_! \$ TPDH J[8hMGqVF. POLPGRq! \_#&4 TFP\$q#qZ\_! \$ YL GIMF[; CTIP HGF  
VG[; WFG[ V+Y[ , FUT IJ:TFZGF HFCZ DFICTL VIWSFZL VG[ OP. HGZ4 5I`RDhMG TZOYL 5+ GR J[8hMGq  
VFZP8LPVF. P; [ q\*4 TFPZq\$Z\_! \$ YL IGI T ; DI DAVZHNfZG[DFICTL 5ZL 5FOJFDF VEFJ, H[DFH6FJ, S[VFZP8LPVF. P  
V[8 C[ / OST p5, aW Z[0GL H DFICTL VF5JFGL HMUJF. K[VG[DFU[; DFICTL V+GF Z[0"p5Z p5, aW GYLP TPDH  
DFU[; DFICTLGL IJ:TT DFICTL DF8[NOTZL . g; 5[XXG VG[ IJUTM DF8[ TFP! \_q\$Z\_! \$ GF ZMH A5MZ[ ! S, FS[ NOTZL  
. g; 5[XXG DF8[; [XXG VMO; Z ; DIF CFHZ ZC[ F H6FJ, CTP 5ZT[ VZHNfZG[V+GM 5+ TFP! ! q\$Z\_! \$ GF ZMH A5MZ[  
! ZP\_\_ S, FSGL VF; 5F; D/[; K[HJ] VZHNfZ V5L, DAFH6FJ, KP HGF SFZ6[NOTZL . g; 5[XXG SZJF VEFJ, GYL TPDH  
GDGFvS DHAGL DFICTL DFU[; H[VF5JFDF VEFJ, GYLP H[YL GFZFH Y. G[V5L, SZ[; KP

vo CSD ov

VZHNfZGL TFP\$q#qZ\_! \$ GL VZHL AFAT[V+GF IJEFUGF HFCZ DFICTL VIWSFZL VG[OP. HGZ4 XCZ  
IJSF; TZOYL Z[0" p5, aW G C[MJFG[ SFZ6[ DFICTL VF5L XSFI TPD GYL TPD H6FJ, TPDH IJ:TT DFICTL DF8[NOTZL  
. g; 5[XXG VF5[; H[5+ VZHNfZG[S8MS8 ; DI [D/[; CMI T[MJG[JW] V[ TS VF5L . g; 5[XXG 5Z] 5FOJF OP. HGZ VG[  
HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ZFNZ hMG[H6FJJFDF VEFJ[KP

s OLP VDP HZLJF, F f  
V[5], [8 VF[0; Z VG[  
SFI "5F, S . HGZ  
s5IzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SF

5[T4

s! f HFCZ DFICTL VIWSFZL VG[O%l [L . HGZ4 XCZ IJSF; s5I`RDhMGfPPPPPHF6 TYF VD, DF8P  
sZf VF; LP GFD, VF[0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s#f zL GZ[X V[GPAYJFZ4 T[MJGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZ SZJFDF VEFJ, IGSF, ; AA HF6 ; F-P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP\_5qZ\_! \$  
TFP! \*v\_\$v! \$

VZHNfZ ov zL DCbN#; C VPA[CDE8'

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvXCZ IJSF; s5l`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP! \$q#qZ\_! \$ GL VZHLYL Jf:8hMGDAATFP! Zq)qZ\_! # TYF TFP#qZqZ\_! \$  
sHXJTf; C VPA[CDE8f TFP! ! qZqZ\_! \$4 TFPZ\_qZqZ\_! \$ TDH ALHL VZHLVM  
TFPZ\_qZqZ\_! \$ VD D/L S], v 5 VZHLVMGL ZHJVFt q OZLI FNMSZ], TDH VZHLVMIJHL, g;  
IJEFUdA56 VF5], H]; NEJf:8hMG TDH IJHL, g; IJEFU wJFZF YI], SFI JFCGL 5DFI6T  
GS, ; ICT ; '5b"DFICTL 5ZL 5FOJF AFATP

; NE"ovVZHNfZGL TFP! \*q\$! \$ YL V5L, G~~PSMC/WZ/FAP~~/05 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]Sf VZHNfZ wJFZF TFP! \$q#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL  
O%l B]. HGZ VG[ DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF Jf:8hMG[ SZJFDF VEF], P H]  
Jf:8hMGqVFZP8LPVF. Pq! \_&\*4 TFP! \$q#qZ\_! \$ YL GIMVFI], CTLP HGF VG]; WFG[ V+Y], FUT IJ:TFZGF HFCZ DFICTL  
VIWSFZL VG[OP. HGZ4 5l`RDhMG TZOYL 5+ GRJf:8hMGqVFZP8LPVF. P; ], q&&45\*45) TFP! ! q\$Z\_! \$ YL IGI T ; DI DA  
VZHNfZG[ DFICTL 5ZL 5FOJFDF VEF], s! f TFP! Zq)qZ\_! #4 TFP#qZqZ\_! \$4 TFPZ\_qZqZ\_! \$ DJHA 8LP5LP:SLD GR#Z  
sVOFH6f OFF%, MB GR! Z\* JF/L DHZ %, FGGL GS, GF ~FP! )! \$qv TDH DHZ OF. , ; FY[N:TEJHL 5ZEFVMGL GS, GF  
~FPZ\_(qv TDH 8LP5LP:SLD GR#! sVOFH6f OFF%, MB GR#\$ DCFJLZ OZ; F6JF/L ID, STDAVF5], GMBL; GL GS, GF ~FP&qv  
TDH IJHL, g; VG[. g:5SXG VMO; ZzLG[5F9J], 5+GL GS, GF ~FPZqv EZJF H6FJ], sZf TFPZ\_qZqZ\_! \$ GF 5+ VgJl [  
8LP5LP:SLD GR! \$sZFNZf4 VOFH6 OFF%, MB GR#& 5SL ZUg] ] ; Jf GRZ#! 5SL VIP5LPGR! 5q; LGf ZLJf. h0 , M Zf. h  
Zf; lOg; LI , IA<OLUGF %, FGGL GS, GF ~FP! Z\$qv4 %, FGGL GS, GF ~FP\$! \$\*qv EZ5F. SZJF H6FJ], TDH VZHNfZL  
Z6WLZl; C 5LP ; M, SL wJFZF TFP! #q(qZ\_! Z . d5\$8 OL DF8GF 5F5; GF ~FP! \$ (qv TDH ZL5M8LU 5]. HGL GS, GF ~FP! (qv  
EZJF H6FJ], P TDH ; NZ DFICTL DF8[TPZ\$q\$Z\_! \$GF ZMH NOTZL . g:5SXG SZJF 56 H6FJ], P s#f TFP! ! qZqZ\_! \$ GF  
5+ VgJl [JZLI FJ KF5ZF EF9F ZMD 5Z 8LP5LP:SLD GR#&sJZLI FJf OFF%, MB GR&\_ a, MS GR! #ZZ sZFWSF IJOLI M YLI BZF  
DA RF, TF UZSFGGL ID, ST q AFWSFD V8SEJJFDF VEF], HGF 5+ GR8LPOLPVP5 (4 TFPZ! qZqZ\_! \$ YL SFZ6NXS GMBL;  
TDH 8LPOLPVP5\*4 TFPZ! qZqZ\_! \$ YL DGF. CSDGF ~FP&qv EZJF H6FJ], P spST4 DJNF GR# DJHAGL 5] GJF/L ID, STGF  
%, FG DHZL S]AFWSFD ; DI [OZLI FN VZHLVMGL IJUTMGL DFICTL V+GL SRZLV[p5, aW G CMJFG[SFZ6[VF5JFDF VEF],  
GYLPf

VZHNfZV[TVMGL VZHL ; NE[DFU], DFICTLGF DJNF VgJl ], FUT HFCZ DFICTL VIWSFZLGF 5]:TFJ VgJl [  
5f F EZL DFICTL DJ/J], GYL TDH . g:5SXG 56 SZL UI], GYLP HIFZ[V5L, VZHLDAccS8, FS E[8 VIWSFZLVM]  
AFWSFDM KFJZL UZZLTIG[5M; FCG 5Z] 5FOL ; DU]DFICTL . ZFN5]JS K5fJL CMJFG TYF HFCZ DFICTL VIWSFZLVM wJFZF  
VF SFI NF DJHAGL ; DI DI FNFDAS]VFH ; JWL SM. H 5f]l]TZ 5F9J], GYL HYL T[MG[DFU] ; '5b"DFICTL S, D \*s&f C9/  
INGv\_\* DAIJGF Dk]l [5ZL 5FOJF cCSDc YJF DF8[ZHJVFt SZL V5L, VZHL SZ], Kpcc VF VZHL ; NE[CSLST, 1FL DFICTL  
DJ/JJF VY[VZHNfZG[ HFCZ DFICTL VIWSFZLVM XCZ IJSF; IJEFU sZFNZ hMGf wJFZF +6 5+M , BL GS, DJ/JJFGF  
5]:TFJ ; AA S], FUT ZSOG]. g:5SXG SZJF ; AAGF 5]:TFJ VG]; WFG[ VZHNfZV[SM. 5]l F; SZ], G CMI T[MGL NFNG]  
; DYGD/T]GYLP VFYL T[MGL V5L, VZHL ; NE[GLR[DJHAGM CSD SZJFDF VEF][Kp

v0\_CSD\_ov

VZHNfZGL TFP! \$q#qZ\_! \$ GL VZHL AfAT[V+GF IJEFUGF HFCZ DFICTL VIWSEZLVM VG(OP. HGZ4 XCZ  
IJSF; TZOYL DFICTL 5ZL 5F0JF TYF . g: 5SXG 5Z] 5F0JF VZHNfZG[; DI DI FNFD\HJFA SZ[ CMI . ZFNf5J]S DFICTL  
VF5[ GYL TDH IJGFd]I [5ZL 5F0JF H6FJ[ ZH]VFTG[; DYg D/T]GYL TD KTR\ALHL TS~5[VZHNfZ HMTDFD DFICTL  
D/]JF DFUTF CMI TM CSLST, 1FL DFICTL VU[ HFCZ DFICTL VIWSEZLGM VFUMTZM; DI D/]JL ; '5S" SZL , FUT Z\$OG\  
. g: 5SXG SZL I MuI H6FTL GS, IGI D \*s5f C9/ GS, RFHL", EZL D/]JF :JT+ KP

s 0LP VDP HZLJF, F f  
V5[ B VF]0; Z VG[  
SFI 5F, S . HGZ  
s5lzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

5]T4

s! f HFCZ DFICTL VIWSEZL VG(O%I BL . HGZ4 XCZ IJSF; s5I` RDhMGfPPPPPHF6 TYF VD, DF8P

sZF VF; LP GFd, VF]0; Z VG[VfZP8LPVF. P; [ 5]TPPPPPPPHF6 DF8P

s#f zL DC]N#; C VP A]CDE84T]MGL V5L, VZHL VU[p5ZGL IJUT]Gf]CSD wJfZf SZJFDfVfJ[ IGsf, ; AA HF6 ; F~P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N[JZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP\_&qZ\_! \$  
TFPZ! v\_ \$v! \$

VZHNZ ov zL ; RLG C0FJNG 58[  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[5; MG[ VM0; Z VG[HFCZ DFICTL VIWSFZL VG[  
OP. HGZvXCZ IJSF; s5l`RDhMGvZFNZf  
OZLI FNGL CSLST ov

IJOFI ov VZHNZGL TFPZ! q#qZ\_! \$ GL VZHLYL ZFNZ hMGDAcf, S[ SB, F UZSFI N[ Z AFWSFDM  
VFSZ , . ZC I F K[TGL 5ZJFGUL ; FYGL ; '5[ "IJUTJFZ DFICTL TPDH OP. HGZ TZLS[OZH  
AHFJTF zL HPSPRFWZL4zL VGPJLPRFWZL VG[zL OLPJLPRFWZL TDGL IGD6[ NZdI FG X[FI6S  
, FI SFT TPDH T[MIG[S[ , M5UFZ R[SJJFDAVFJ[K[H[VUJL DFICTLVM5ZL 5FOJF AFATP  
; NE"ovVZHNZGL TFPZ! q\$! \$ YL V5L, G[SMC/WZ/FAP/06 Z\_! \$q! 5GL 5YD V5L, AFATP

p5Z[ST IJOFI VG[; NE"AFAT[H6FJJFG[S[ VZHNZ wJZF TFPZ! q#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL O%l [L  
. HGZ VG[ DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 TPDH 5; MG[ VM0; Z VG[HFCZ DFICTL VIWSFZL ; [ZT  
DCFGUZ5FI, SF J[; 8hMGqVF. POLGRq! \_ (Z4 TFPZ! q#qZ\_! \$ YL GIMFI [ , CTLP HGF VG[; WFG[V+YL HFCZ DFICTL VIWSFZL VG[  
OP. HGZ4 XCZ IJSF; 5l`RDhMG TZOYL 5+ GRJ[; 8hMGqVFP8LPVF. P; [ q&\$4TFP! ! q\$Z\_! \$ YL DNF GR! 4Z VG[ & TPDH  
5; MG[ VM0; Z VG[HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ[; 8hMGqVFP8LPVF. P; [ q)4 TFPZq\$Z\_! \$ YL DNF GR#4\$ VG[5 YL  
IGI T ; DI DI FNDAVF5[ P HPADNF GR! VG[Z DANOTZL . g: 5[SG SZJF H6FJ[ TPDH DNF GR& DAXCZ IJSF; IJEFU wJZF  
WL AIP5LPVDP; IPV[84 OLP; IPVZP TPDH 8LP5LPV[8 DJHA %, FG DHZLGL SFI "FCL SZJFDAVFJ[KP HP OLP; IPVZPIGI DMGL A[  
GFG5Z[ ; NF EJG BFTYL D/[JL XSXM TPDH DNF GR# DA X[FI6S , FI SFTGL SML Dwl :Y DCSD IJEFU TZOYL D/[JF  
H6FJ[ P TPDH DNF GR\$ DA5UFZ VUJL DFICTL ; [ZT DCFGUZ5FI, SFG JA; F. 8 5Z V[5, M. h 0L8[ DRYL D/[JL XSXM TYF  
DNF GR5 DAVF; LP. HGZ4 HGIP. HGZ TPDH OP. HGZ GF ; '5"GAZGL DFICTL ~FPZqv EZL DFICTL D/[JF H6FJ[ TD KTA  
NOTZL . g: 5[SG 56 SZJFDAVFJ[ GYL VG[~FPZqv EZL DFICTL D/[J[ GYLP

VZHNZGL V5L, VZHL ; NE[DNF GR! DAZANZ hMGDA[S], SB, F AFWSFDM VFSZ , . ZC I F K[TGL ; '5["  
DFICTL TPDH DNF GRZ DAZANZ hMGGF UZSFI N[ Z AFWSFDM]OLDM, LXG RFH"5[SB, MRH"J; [ , SZJFDAVFJ[M TPDH DNF GR#  
DAzL HPSPRFWZL4 zL VGPJLPRFWZL VG[O%l [L . HGZzL OLPJLPRFWZLGL X[FI6S , FI SFTGL DFU6L SZ[ CMI H[VU[GZFH Y.  
V5L, SZ[ KP

v0 CSD ov

VZHNZGL TFPZ! q#qZ\_! \$ GL VZHL V5L, TASS[V+GF IJEFUG[D/[ CMI HFCZ DFICTL VIWSFZL VG[O%l [L  
. HGZzL4 XCZ IJSF; wJZF DNF GR! VG[Z DA VFUMZM ; DI D/[JL , FUT Z[OG] . g: 5[SG SZJF TPDH DNF GR # DA  
J[; 8hMGGF OP. HGZGF X[FI6S , FI SFTGF 5DP65+MGL GS, hMG DCSD IJEFUGF Z[SO"p5Z IGEFJJFDAVFJTL G CMI VF5L  
XSFI TD GYL 5ZT[T[M X], FI SFT WZFJ[K[TGL IJUT ; IJ" A[ Z[SO"VAFIZT VZHNZG[V5JF 5; MG[ VM0; Z VG[HFCZ  
DFICTL VIWSFZL sZFNZ hMGFG[H6FJJFDAVFJ[KP

s OLP VDP HZLJF, F F  
V[5], [8 VF[0; Z VG[  
SFI "5F, S . HGZ  
s5lzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

5]T4

s[ f HFCZ DFICTL VIWSFZL VG[O%l [L . HGZ4 XCZ IJSF; s5l`RDhMGfPPPPPHF6 TYF VD, DF8P  
sZF HFCZ DFICTL VIWSFZL VG[5; MG[ VM0; ZzL4s5l`RDhMGfPPPPPHF6 TYF VD, DF8P  
s#f VF; LP GFD, VF[0; Z VG[VFP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s\$F zL ; RLG C0FJNG 58[ 4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDAVFJ[ IGSE, ; AA HF6 ; F~P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP\_\*qZ\_! \$  
TFPZ\$v\_ \$v! \$

VZHNfZ ov zLDTL ~S; FGF ZOLS ; [I N

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvXCZ IJSF; s5I`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFPZ5q#qZ\_! \$ GL VZHLYL 8LP5LPv#\_4sZFNZf VDP5LPGR! \$ & DAVFJ, TFH  
; M; F1 8LGF ; A %, MB GR! \$ JF/FV[SIDxGZzLG[-A~ D/LG[TFP! #q! qZ\_! \$4  
TFP! \$qZqZ\_! \$4 TFP! \$q#qZ\_! \$ GF ZMH VZHL SZ, CTL T[GL p5Z SIDxGZzLV[H[XZF DFZL  
VFU/ DMS, [ CTL T[GL GS, VG[TGF ; NEDFAH[HJFA VF5, T[GL GS, M VF5JF AFATP

; NE"ovVZHNfZGL TFPZ5q#qZ\_! \$ YL V5L, G~~PSMC/WZ/FAP~~/07 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZfST IJOFI VG[; NE" AFAT[H6FJJFG]S[ VZHNfZ wJZF TFPZ5q#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL  
O%l [BL . HGZ VG[DNNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF J; 8hMGGSZJFDFVVFJ, P H[Dwl :Y  
SRZLGF VF. POLPGR &#\_4 TFP! (q#qZ\_! \$ TDH J; 8hMGqVF. POLPGRq! ! \_! 4 TFPZ5q#qZ\_! \$ YL GMMF[ [ CTLIP HGF  
VG; WFG[ V+Y[ HFCZ DFICTL VIWSFZL VG[ OP. HGZ4 5I`RDhMG TZOYL 5+ GRJ; 8hMGqVVFZP8LPVF. P; [ q554  
TFP! ! q\$Z\_! \$ YL IGI T ; DI DAVZHNfZG[8LP5LP:SLD GR#\_sZFNZf OFF%, MB GR! \$ & GF ; A %, MB GR! \$ JF/FV[SZ,  
VZHILGL GS, GF 5FGF GU ) & ~FP! ) Zqv E I [Y L D/[JL XSXMTD H6FJ, P

VZHNfZGL VZHL ; NE[T[MIGL DFU6L GF D]NF VgJ[ ; NZC]DFICTL 5FGF GU ) & DF8[-FP! ) Zqv E I FYL  
TFP! 5q\$Z\_! \$ GF ZMH DFICTL 5ZL 5FOJFDF VVFJ, KP H[ VU[ ; NZ VZHNfZ[ V5L, SZ, KP H[DF H6FJ, K[ S[  
TFP! #q! qZ\_! 4 TFP! \$qZqZ\_! \$ TYF TFP! \$q#qZ\_! \$ GF ZMH VZHL SZ, T[GL p5Z SIDxGZ[H[XZF DFZ, T[VZHILGL GS,  
VF5JFDFVVFJ, GYLP VFD DFU, DFICTL D]HAGL VZHL D/[ GYLP H[YL V5L, SZ, KP

vo CSD ov

VZHNfZGL TFPZ5q#qZ\_! \$ GL VZHL AFAT[V+GF IJEFUGF HFCZ DFICTL VIWSFZL VG[OP. HGZ4 XCZ  
IJSF; TZOYL DFICTL 5ZL 5FO, CMI 5ZT[VZHNfZG[T[MIGL VZHL p5Z DFGPSIDxGZzLGF XZFJF/L GS, VF5, G CMI  
GFZFHULG]SFZ6 ZC[JF 5FD, K[ H[YL VZHNfZG[JW] V[ TS VF5L , FUT Z[SOG]. g: 5[ SXG VF5L VFZP8LPVF. PSFI NFGF  
IGI D \$s#f C9/ DFICTL D/[ K[ T[ AFATGL 5]TF SZJF VFYL HFCZ DFICTL VIWSFZL VG[ OP. HGZ4 XCZ IJSF;  
IJEFUG[H6FJJFDFVVFJ]KP

s OLP VDP HZLJF, F F  
V[5], [8 VF[0; Z VG[  
SFI "5F, S . HGZ  
s5IzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

5]T4

s[ f HFCZ DFICTL VIWSFZL VG[O%l [BL . HGZ4 XCZ IJSF; s5I`RDhMGfPPPPPHF6 TYF VD, DF8P  
szf VF; LP GF, VF[0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s#f zL ~S; FGF ZOLS ; [I N T[MIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDFVVFJ, IGSF, ; AA HF6 ; F-P





OLPV|DPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP\_ (qZ\_! \$  
TFPZ5v\_ \$v! \$

VZHNfZ ov zL S<5X AFZM8

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvXCZ IJSF; s5l`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFPZq\$QZ\_! \$ GL VZHLYL ZFNZ UFDT/ IJ:TFZDAYI! q! qZ\_! # YL  
#! q#qZ\_! \$ ; WLGf ; DI UF/F NZdI FG UFDT/ IJ:TFZDAYI [ , SMDMXLI , SD Z; LOjXLI ,  
V[5F8Dj8 8f. 5Gf IJLW 5SFZGF TDFD AFWSFD ; NE[5+DfP5l:YT SZ; DNF; Z VDMG[  
; Z/ ; DHL XSF I TjL H EFQFFDA; FRF sRMS; f HJFAMSF I NFGL TDFD HMUJF. VM  
IGITvIGI DM 5Bf IGI DM IJX08 ; HMUM S, DM IJUJZG)5F, G SZLG(TDFD ; 5j6"IJUTJFZ  
DFICTL VF5zL wJFZF IJLW IJEFUM ; FY; S, G SZLG(DNFVMGR! YL \$ GL V, U DFICTLVM  
5ZL 5F0JF AFATP

; NE"ovVZHNfZGL TFPZ5q\$Q! \$ YL V5L, G~~PSMC/WZ/FAP~~/08 Z\_! \$q! 5GL 5jYD V5L, AFATP

p5ZFST IJOFI VG[; NE" AFAT[H6FJJFG)Sj VZHNfZ wJFZF TFPZq\$QZ\_! \$ GF ZMH DFICTL DFUTL VZHL  
0%l jL . HGZ VG[DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SFGF ; j8= hMG wJFZF SZJFDFVfJ, P  
H[ ; j8= hMG VF. POLPGR\_&4 TFPZq\$QZ\_! \$ H[ J; 8hMG VF. POLPGRZ! 4 TFP5q\$QZ\_! \$ YL GNVFI [ , CTIP HGF VG; WFG[  
V+YL HFCZ DFICTL VIWSFZL VG[OP. HGZ4 5l`RDhMG TZOYL 5+ GRJ; 8hMGqVFZP8LPVF. P; [ q! #\*4 TFP#q\$QZ\_! \$ YL  
IGI T ; DI DA VZHNfZG(DNF GR ! YL \$ AFAT[DFICTL D/JJF DF8(SZ; 5; TFJDA DNF GR! DAFZNZ UFDT/DA(S, [ \$)  
OF. , M5SL DFU[ DFICTL DJHA Z\_%, FGMZC[6FS C[ ]DF8(DHZ SZ; VG[& OF. , MNOTZ(SZ; HGL IJUT VF5JFDFVfJ,  
K[TDH DNF GRZ DADHZLGL IJUT NXF"JTF ZHL: 8ZGF ~FPZ\$QV TFPZ5q\$QZ\_! \$ GF ZMH EZLG(DFICTL D/JJ, K[TDH DNF  
GR # VG[\$ DAFNOTZL . g: 5\$XG SZJF DF8(TFP! Zq5qZ\_! \$ GF ZMH A5MZ[! o\_\_\_ S, FS; [XG VM0; ZzL s8\$GLS, f ; DIF  
CFHZ ZCjF H6FJ, P

VZHNfZGL V5L, VZHL ; NE[TVMGL DFU6L VgJl [ VF. POLPDAp5l:YT SI F"VG; FZGF 5j GNGF HJFA  
5F9J, H GYL HGF SFZ6(GFZFH Y. V5L, SZ, KP

vo CSD ov

VZHNfZGL TFPZq\$QZ\_! \$ GL VZHL V5L, TASS[V+GF IJEFUGF D/[ , CMI HFCZ DFICTL VIWSFZL VG[  
0%l jL . HGZzL4 XCZ IJSF; wJFZF DFICTL 5ZL 50FI [ , CMI 5ZT)VZHNfZG(GS, D/[ , G CMI VG(DNF GR# VG[\$ DF8[  
5+ , BJF KTF VZHNfZ VFJ, G CMI VZHNfZ HM TDFD DFICTL D/JJF DFUTF CMI TM CSLST, 1FL DFICTL VU[ HFCZ  
DFICTL VIWSFZLGM VFUMTZM ; DI D/JL ; 5S"SZL , FUT Z\$0G). g: 5\$XG SZL I MuI H6FTL GS, IGI D \*s5f Cj/ GS,  
RFHL; EZL D/JJF :JT+ KP

s OLP VDP HZLJF, F f  
V[5], [8 VF0; Z VG[  
SFI "5F, S . HGZ  
s5lzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

5jT4

s! f HFCZ DFICTL VIWSFZL VG[0%l jL . HGZ4 XCZ IJSF; s5l`RDhMGfPPPPPHF6 TYf VD, DF8P

sZF VF; LP GF, VF0; Z VG[VFZP8LPVF. P; [ 5jTPPPPPPPHF6 DF8P

s#f zL S<5X AFZM8v TVMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDFVfJ, IGSF, ; AA HF6 ; F-P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N[JZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP\_) qZ\_! \$  
TFPZ(v\_\$v! \$

VZHNfZ ov zL I5S, 5[ok, RN=3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VFSZ6L J; ], FT VIWSFZLs5l`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP! \_q\$QZ\_! \$ GL VZHLYL s! f 8LP5LP\$ZsHCPUZFAFNf OFP%, M8 GRZZ\*4Z## GL ID, ST CF,  
VFSZ6L NOTZ[HDIG 5Z YI[, VFSZ6LGL OF. , TYF VFJ[, VZHL VUJGL OF. , RSF; 6L SZL VF5JL VG[T[  
HM. TF SFU/ IGI D 5sSf DJHA VF5JF sZf VFSZ6L NOTZ[VF ID, ST SImG SImG GFD 5Z AM, [K[TGL TDFD  
IJUT VF5JLps#f ZlhJXG D]SFI F AFN VFHING ; JLDfYI[, AFWSFD ; AW[SZJFDFVFJ[, IJh8GL SM5L TDPH  
VFSZ6L RM5O[GMWJFDFVFJ[, VFSZ6L TDFD IJUT VF5JF AfATP

; NE"ovVZHNfZGL TFPZ(q\$Q! \$ YL V5L, G[SMC/WZ/FAP/09 Z\_! \$q! 5GL 5YD V5L, AfATP

p5ZfST IJOFI VG[; NE"AFAT[H6FJJFG]S[ VZHNfZ wJfZf TFP! \_q\$QZ\_! \$ GF ZMH DFICTL DFUTL VZHL HFCZ  
DFICTL VIWSFZL VG[VFSZ6L VIWSFZL4 ; [ZT DCFGUZ5FI, SFG J[8hMGG[SZJFDFVFJ, P H[ HFCZ DFICTL VIWSFZL VG[O%l]BL  
VFS8S VF. POLPGR\$)4TPZ)q#qZ\_! \$ YL J[8hMGqVFP8LPVF. q\$)4 TFP! \_q\$QZ\_! \$ YL GIMWFI[, CTLP HGF VG[ WFG[V+YL HFCZ  
DFICTL VIWSFZL VG[VFSZ6L J; ], FT VIWSFZL4 5l`RDhMG TZOYL 5+ GRJ[8hMGqVFP8LPVF. P; [ q! ! &4 TFPZZq\$QZ\_! \$ YL  
VZHNfZG[ZS0GL RSF; 6L SZTF VZHLDfH6FjIF DJHAGL IJUTM C[ / ID, ST GIMWFI[, H6FTL GYLP TDPH VZHLDfH6FjIF DJHAGL  
SM. ZlhJXGGl GMW H6FTL GYLP HYL DfUf DJHAGL DFICTL VF5L XSFI TD GYLP TDPH SZJZFG J; ], FTGF C[T; Z ID, STM ZUgI]; J[  
GAZ4 ; M; FI 8LGF GFD4 DCIk, M %, M8 GAZ4 a, MS GAZ HJL VM/BYL HJf HJf 8GFDb8 GAZ C[ / GMW6L SZJFDFVFJ[K]VG[TJL  
DFICTL IJXF/ 1f+GL CMI VZHL ; NE[H~ZL 5ZS IJUTM 5%T YIYL DFICTL VF5L XSFI TD CMI JW]IJUTM H6FJF IJGTLP HYL  
DFICTL 5ZL 5FOL XSFI VP H6FJ[, P

H[VU[VZHNfZ] TFPZ(q\$QZ\_! \$ GF ZMH SMC/FAP/NO.9 YL DNF GRZ4# VG[\$ VU[DFICTL :508 CImf KTA  
VF5JFDFVFJ[, GYL HYL GFZFH Y. V5L, SZ[, K[HGF B], F; FDFHFCZ DFICTL VIWSFZL VG[VFSZ6L VG[J; ], FT VIWSFZL  
VFP8LPVF. P; [ PGRZ\_#4 TFP(q\$QZ\_! \$ YL p5, aW ZS0GL RSF; 6L SZTF 8GFDb8 GR#(V[V\_! vZ#&! v\_v\_\_! TYF 8GFDb8  
GR#(V[V\_! vZ#&! v\_v\_\_Z C[ / GMW GR\_\_&\_V[! &\$4 ZP; J]GRa, MS GRZZ ( TZLS[GIMWFI , IJUT ID, ST VU]S<RZ Bk, L HDIG  
TZLS[IGD', FAG D/O , <, JEF. . rKFZFDGF GFD[8GFDb8 GR#(V[V\_! vZ#\*! v\_v\_\_! C[ / GMW GR\_\_&\_A14 ZP; J]GRa, MS  
GRZZ) TZLS[ ID, ST VU]S<RZ Bk, L HDIG TZLS[ IGD'/FAG D/O , <, JEF. . rKFZFDGF GFD[ TYF 8GFDb8  
GR#(V[V\_! vZ#(! v\_v\_\_! C[ / GMW GR\_\_&\_ ZP; J]GRa, MS GRZ#\_ TZLS[ID, ST Bk, L HDIG TZLS[IGD', FAG D/O , <, JEF.  
. rKFZFDGF GFD[GIMWFI[, KP HGL :8[; GL GS, IJGFDkI[5ZL 5FOJFDFVFJ[, KP

vo CSD ov

VZHNfZGL TFP! \_q\$QZ\_! \$ GL VZHLYL DfU[, DFICTL VU[DNF GRZ4#\$ DF8[V5L, SZ[, H[V+GF IJEFUG[D/[,  
CMI VG[HFCZ DFICTL VIWSFZL VG[VFSZ6L VG[J; ], FT VIWSFZL TZOYL NOTZL p5, aW CSLST, 1fL DFICTL 5ZS IJUT TZLS[  
IJGFDkI[5ZL 5FO], CMI T[VU]SM. IJXF C]SD SZJFGM ZC[TM GYL 5ZT] VZHNfZG[GFZFHULG]SFZ6 ZC]F 5FD[, CMI TM T]VM wJfZf  
VFUMTz; DI D]/JL ; '5S'SI YL ~A~ ; FE/JFGL TS VF5L DFICTL D/[, K[T]AFAT ; ]GixRT SZJF VFYL HFCZ DFICTL VIWSFZL  
VG[VFSZ6L VIWSFZLzLG[H6FJJFDFVFJ[KP

s OLP VDP HZLJF, F f  
V[5], [8 V[Q; Z VG[  
SFI "5F, S . HGZ  
s5lZD hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

5]T4

s! f HFCZ DFICTL VIWSFZL VG[VFSZ6L VG[J; ], FT VIWSFZLs5l`RDhMGfPPPPPHF6 TYF VD, DF8P  
sZf VF; LP GFD, V[Q; Z VG[VFP8LPVF. P; [ 5]TPPPPPPHF6 DF8P

s#f zL I5S, 5[ok, RN=3LJF/F T]MGL V5L, VZHL VU[p5ZGL IJUTGAC]SD wJfZf SZJFDFVFJ[, IGSF, ; AA HF6 ; F-P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N[UZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP! ZqZ\_! \$  
TFP\_Zv\_5v! \$

VZHNfZ ov zL GZ[X V[GPAYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvXCZ IJSF; s5l`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP\$#qZ\_! \$ GL VZHLYL J[8hMGDA8LP5LP:SLD GR! ! 4 VDP5LPGR# (4 VFZPV[; PGR\$\*Zq! 4  
VOFH64 CZLVMD SMD5, [1F4 ~0FE V[5F8Dj8 VOFH6 5F8LI F4 ; [ZTGL VFIS8S[VjHLIGI ZGL IGD6SGL4  
OMDvZGA V[VALv; L 5+SIGL4 DHZ % , FG4 DHZLGL ZHFIR9LGL4 VZHL 5+SGL4 I PV[ P; IPV\$8v&s! f  
VZ5M8" VMNZL8LGL V[GPVMP; LPGL4 OFI Z Vj0 . DZHq; LGL OFI Z V[GPVMP; LPGL; DFGF hMGLU ; 8LGL  
; GNGL4 5M58L" SFOGL4 JRF6 N:TFJHGL4 \*q! ZGL4 ; j8= V\$; F. h V\$8vZ\_! \_ VG[; FZ HDLG , [VJRGF  
ZP; JL" 8[FvE I FGL R, 6GL4 ALPI P; LPGL ; 8SRZ, :8AL, 18LGF ; 8LGL VgOZ 8LSU AFI VjHLIGI ZGL4  
5FSLUGL VgOZ 8LSUGL4 . g0jGL8L AMj0GL4 ; [RT AFWSFDG[ UjPg0 0, MZ ! 5 0B NZYL AWFGAOMBMUFO; 4  
; [RT HDLGGI V[GPVMP; 8LGL4 8LP5LPV[; PDA AFWSFD SZ[ CMJFYL Z:TFG[ V; Z YTF :S[RGU6TZLGL4  
GF6A E I FGL Z; LNL4 VF. P; LPGF GF6A E I FGL4 Z:TF DFHLGGF 5F8" % , FGGL4 ; [RT H6FJ[ TDFD  
DFICTLGL GS, M; ClvI; SSF ; ICTGL DFICTL VF5JF AFATP

; NE"ovVZHNfZGL TFPZq5q! \$ YL V5L, G[SMC/WZ/FAP/12 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZfST IJOFI VG[; NE"AFAT[H6FJJFG]S[ VZHNfZ wJFZ TFP\$#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL 0%l [L  
. HGZ VG[ DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF J[8hMGG[ SZJFDA VFJ[ P H[ ; j8= hMG  
VF. POLPGRZ5! \_4 TFP&qZqZ\_! \$ TDH J[8hMGqVF. POLPGR[! \_#\$4 TFP\$#qZ\_! \$ YL GIMVFI [ CTLP HGF VG[ WFG[ V+Yl  
, FUT IJ:TFZGF HFCZ DFICTL VIWSFZL VG[OP. HGZ4 5l`RDhMG TZOYL 5+ GR J[8hMGq VFZP8LPVF. P; [ q(4 TFPZq\$Z\_! \$  
YL IGI T ; DI DA VZHNfZG[DFICTL 5ZL 5FOJFDA VFJ[ H[DF H6FJ[ S[V55GF TZOYL DFU[ DFICTL IJ:TT CMI ; NZ DFICTL  
DF8[NOTZL . g:5\$XG VG[IJUTM DF8[TFP! ! q\$Z\_! \$ GF ZMH A5MZ[! P\_\_\_ S, FS[5l`RDhMG ZANZ SRZLGF ; \$XG VM0; ZzL  
s8\$GLS, f ; D1F CFHZ ZCJF p5, aW pST IJUTMG[NOTZL . g:5\$XG SZJF H6FJ[ CTP 5ZIT] VZHNfZ ccALP5LPV[ PSFO" CMI  
5[ F D/L UI F K[V[DP ; DHL DFICTL VF5JL WZD WSSF BEJF VZHL GYL SZ[ E[8FRFZG[B[ M SZJF DF8[VZHL SZ[ K[TDH  
VFZP8LPVF. PV\$8 Z\_\_5 GM EU SZ[ CMJFYL 5YD VZHL SZ[ K[CH]56 DFICTLGL GS, VF5XM GCLTM ALHL V5L, DF8[  
T[ FZ ZCHMc V[DP H6FJ[ K[ HYL V5L, SZ[ K[

vo CSD ov

VZHNfZGL TFP\$#qZ\_! \$ GL VZHL AFAT[V+GF IJEFUGF HFCZ DFICTL VIWSFZLVM VG[OP. HGZ4 XCZ IJSF;  
TZOYL . g:5\$XG 5Z] 5FOJF VZHNfZG[ ; DI DI FNFDRA HJFA SZ[ K[ 5ZIT] VZHNfZ . g:5\$XG SZJF VFJ[ GYL TDH  
VZHNfZG[ T[MGL VZHLDA ALP5LPV[ PSFO" CMJFG[SFZ6[ IJGFD[ ] DFICTL VF5[ G CMI GFZFHULG]SFZ6 ZCJF 5FD[ K[HYL  
ALHL TS~5[VZHNfZ HMTDFD DFICTL D[JJF DFUTF CMI TM CSLST, 1FL DFICTL VU[HFCZ DFICTL VIWSFZLGM VFUMTZM; DI  
D[ ]L; '5S"SZL , FUT Z\$OG[. g:5\$XG SZL I MuI H6FTL GS, D[JJF :JT+ K[VG[T[AFATGL 5J]TF SZJF VFYL HFCZ DFICTL  
VIWSFZL VG[OP. HGZzL XCZ IJSF; IJEFUG[H6FJJFDA VFJ[KP

s OLP VDP HZLJF, F f  
V[5], [8 VF[0; Z VG[  
SFI "5F, S . HGZ  
s5lzd hfGvZFNZf  
; [ZT DCFGUZ5FI, SF

5]T4

s! f HFCZ DFICTL VIWSFZL VG[0%l [L . HGZ4 XCZ IJSF; s5l`RDhMGfPPPPPHF6 TYF VD, DF8[

sZf VF; IP GFD, VF[0; Z VG[VZFP8LPVF. P; [ 5]TPPPPPPHF6 DF8P

s#f zL GZ[X V[GPAYJFZ4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZ SZJFDA VFJ[ IGsf, ; AA HF6 ; F-P



OLPVDPHZLJF, F  
 V[5], [8 VMOL; Z VG[  
 SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
 5lÜD hMG sZFNZf  
 OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
 gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
 OIMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP! #qZ\_! \$  
 TFP\_Zv\_5v! \$

VZHNfZ ov zL GZ[X V[GPAYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvXCZ IJSF; s5l`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP\$q#qZ\_! \$ GL VZHLYL GMW GR8LP5LPv#! 4 VDP5LPGR! ZZ DAT~6 DMB; "VFU/ 56  
 UZSFI NF; Z CMJFYL ZFNZ hMGGF XCZ IJSF; IJEFUGF . HGZVMV[OLDM, LXG SZ[ HGL DFICTLGL GS, 4  
 ALPI P; LPL4 :8SRZ, :8[AL, l8L ; 8LGL4 lPv[ P; LPV[LOJL8 . gSD8[FGL IJUJZGL DFICTL VF5JF AFATP

; NE"ovVZHNfZGL TFPZq5q! \$ YL V5L, GRSMC/WZ/FAP/13 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]S[ VZHNfZ wJFZF TFP\$q#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL 0%l [L  
 . HGZ VG[ DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF J[; 8hMG[ SZJFDF VEFJ[ P H[ ; [8= hMG  
 VF. POLPGRZ5#&4 TFPZ(qZqZ\_! \$ TDH J[; 8hMGqVF. POLPGRq! \_#\*4 TFP\$q#qZ\_! \$ YL GIMVFI [ CTLP HGF VG[; WFG[ V+Y[  
 , FUT IJ:TFZGF HFCZ DFICTL VIWSFZL VG[ OP. HGZ4 5l`RDhMG TZOYL 5+ GR J[; 8hMGq VFZP8LPVF. P; [ q! \*! &4  
 TFPZ5q#qZ\_! \$ YL IGI T ; DI DAVZHNfZG[DFICTL 5ZL 5FOJFDF VEFJ[ H[DF H6FJ[ S[DNF GR! DFICTL V:508 H6FTL CMI  
 ~A~DA; '5S"SZJF DF8[H6FJ[ TDH DNF GRZ DADFICTL Z\$0"p5Z p5, aW H6FTL GYL TDH DNF GR#s! f XCZ IJSF; G[, UTL  
 CMI sZf 8LP5LPGRs#! f VOFH6GF VDP5LPGR! ZZDAVMP5LPAfpg0E TYF OF. G, %, MBGF Afpg0E NXFJTF 5F8"% , FGGL GS, D[/JL  
 , [F H6FJ[ Ps#f SRZLGF p5, aW Z\$0GL RSF; 6L SZTF DFICTL Z\$0"p5Z p5, aW GYL V[ H6FJ[ P H[YL GFZFH Y. G[V5L,  
 SZ[ KP

vo CSD ov

VZHNfZGL TFP\$q#qZ\_! \$ GL VZHL AFAT[V+G] IJEFUGF HFCZ DFICTL VIWSFZLVMVG[OP. HGZ4 XCZ IJSF;  
 TZOYL p5, aW TDFD Z\$0GL DFICTL D[/JL , [F H6FJ[ 5ZT[VZHNfZ[TGMVD, SZ[ GYIP TDH VF VUfP VF. POLPGR(#\*4  
 TFPZ\*q(qZ\_! # YL 56 p5, aW GS, M 5ZL 5FOJFDF VEFJ[ KP H[YL Z\$0" VFWFZT DFICTL IJ:TT 5DF6DA CMI  
 VFZP8LPVF. PSFI NF C[ / IJLW SRZL DDF VgJl [. g: 5[XXG VF5L XSFI TD KP H[YL VZHNfZG[~A~ V[ TS VF5L p5, aW Z\$0"  
 VFWFZT DFICTL D[/JF DFUTF CMI TM HFCZ DFICTL VIWSFZLGM VFUMTZM ; DI D[/JL ; '5S"SZL lMl H6FTL GS, D[/JF  
 :JT+ K[VG[T]AFATGL 5J]TF SZJF VFYL HFCZ DFICTL VIWSFZL VG[OP. HGZzL XCZ IJSF; IJEFUG[H6FJJFDF VEFJ]KP

s OLP VDP HZLJF, F f  
 V[5], [8 VF[0; Z VG[  
 SFI "5F, S . HGZ  
 s5lzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

5]T4

s! f HFCZ DFICTL VIWSFZL VG[0%l [L . HGZ4 XCZ IJSF; s5l`RDhMGfPPPPPHF6 TYF VD, DF8P  
 sZf VF; LP GF, V[0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s#f zL GZ[X V[GPAYJFZ4 ! ZqZ#\*#4 ; [ N5ZF DFB4 SJEZJFOF 5F; [ ; ZTP  
 T[MGL V5L, VZHL VU[p5ZGL IJUT[GRCS[D wJFZF SZJFDF VEFJ[ IGsf, ; AA HF6 ; F~P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N[JZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G\$SMC/WZ/FAP/GP! \$qZ\_! \$  
TFP\_5v\_5v! \$

VZHNfZ ov zL WGHLEF. HLJFEF. ZF9M0

; FDFJF/F ov HFCZ DFICTL VIWSEZL VG[OP. HGZvXCZ IJSF; s5l`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP! \_q\$QZ\_! \$ GL VZHLYL J[8hMG IJ:TFZDF8LP5LPv! \$ sZFNZvVOFH6f  
VDP5LPGR(\$ DAVFJ, S<5GF ; M; FI 8L IJEFUv! DAVFJ, F%, MB GR! 4Z4#4\$ VG[5 GF  
. gS[Dj8, Sg8kaI XG RFHL", GF VFH; JMGF H[EZ6F YI F CMI TGL IJUTM VF5JF AFATP

; NE"ovVZHNfZGL TFP5q5q! \$ YL V5L, G\$SMC/WZ/FAP/14 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG)S[ VZHNfZ wJFZ TFP! \_q\$QZ\_! \$ GF ZMH DFICTL DFUTL VZHL  
0%l BL . HGZ VG[ DNGLX HFCZ DFICTL VIWSEZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF J[8hMG[ SZJFDA VFJ, P H[  
J[8hMGqVF. POLPGR\$#4 TFP! \_q\$QZ\_! \$ YL GMMF[ , CTP H[G VG[; WFG[V+YL , FUT IJ:TFZGF HFCZ DFICTL VIWSEZL  
VG[OP. HGZ4 5l`RDhMG TZOYL 5+ GRJ[8hMGqVFZP8LPVF. P; [ q! ! Z4 TFPZZq\$QZ\_! \$ YL IGI T ; DI DA VZHNfZG[  
DFICTL 5ZL 5FOJFDA VFJ, P H[DAH6FJ, S[8fpG %, FGLU :SLD GR! \$ sZFNZf4 VOFH64 OFF%, MB GR(\$ VMP5LPGR&) ZJgI ]  
; J[ GRZZ( JF/L ID, STDA VFJ, ; M; FI 8L . gS[Dj8, Sg8kaI XG RFHL", GF ~FP! &45)4! &\_qv EZJFGF YFI K[ VG[  
; M; FI 8LGF VFTZS Z:TF4 SMDG %, MB4 VM5G %, MB4 JWFZGF DFHLG IJUJ[ VG[; M; FI 8LGF ; A %, MBM DJHAGL U6TZLVM  
SZJLG[EZJFGL 5YF K[H[AFAT[XFIT, F, 58[ , ~A~ VFJ, TPDH TFP! \*q! \_qZ\_! \$ GF ZMH NOTZL . g:5\$XG SZL ; DH  
VF5[ , TD KTAUJ:TT DFICTL DF8[TFP! Zq5qZ\_! \$ GF ZMH ! P\_\_\_ S, FS[NOTZL . g:5\$XG SZJF DF8[; \$XG VM0; Z s8\$PF  
; DTF CFHZ ZCJF H6FJ, CT] TPDH VF. POLPGR5(\$4 TFPZ\*q)qZ\_! # DHA VF H 5\$FZG] . g:5\$XG SZJF DF8[  
TFP#\_q! \_qZ\_! # GF ZMH AM, FJ, 5ZT] VFJ, G CTFP H[VU[ VZHNfZ V5L, DAH6FJ[K[S[ccDFU, IJUT VF5JFDA  
VFJ, GYL H[BMBF HJFA AN, UZDFU[ NMZLG[ZH]VFT I; JFI GM HJNM H HJFA VF5JFDA VFJ, KP H[VU[H[T] VIWSEZL  
IJ~wW SFI N[; ZGF 5U, F , [JF H6FJ, K[cc H[YL GFZFH Y. G[V5L, SZ, KP

vo CSD ov

VZHNfZGL TFP! \_q\$QZ\_! \$ GL VZHL AFAT[V+GF IJEFUGF HFCZ DFICTL VIWSEZLVM VG[OP. HGZ4 XCZ  
IJSF; TZOYL . g:5\$XG 5Z] 5FOJF VZHNfZG[; DI DI FNFDHJFA SZ, KP TPDH IJ:TT DFICTL DF8[TFP! Zq5qZ\_! \$ GF  
ZMH VZHNfZG[. g:5\$XG SZJF DF8[AM, FJ, 5ZT] VFJ, GYL H[YL ALHL TS~5[VZHNfZ HMTDFD DFICTL D/JJF DFUTF  
CMI TMCSLST, 1FL DFICTL VU[HFCZ DFICTL VIWSEZLGM VFUMTZM; DI D/JL ; '5"SZL , FUT Z\$0G]. g:5\$XG SZL I Ml  
H6FTL GS, RFHL", EZL D/JJF :JT+ K[VG[T]AFATGL 5J]TF SZJF VFYL HFCZ DFICTL VIWSEZL VG[OP. HGZzL4 XCZ  
IJSF; IJEFUG[H6FJJFDA VFJ[KP

s OLP VDP HZLJF, F f  
V[5], [8 VF[0; Z VG[  
SFI "5F, S . HGZ  
s5lzd hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

5]T4

s! f HFCZ DFICTL VIWSEZL VG[0%l BL . HGZ4 XCZ IJSF; s5l`RDhMGfPPPPPHF6 TYF VD, DF8P  
SZF VF; LP GF, VF[0; Z VG[VFP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s#f zL WGHLEF. HLJFEF ZF9M04 T[MGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJFZ SZJFDA VFJ, IGSF, ; AA HF6 ; F~P



OLPVDPHZLJF, F  
 V[5], [8 VMOL; Z VG[  
 SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
 5lÜD hMG sZFNZf  
 OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
 gl ]ZFNZ ZM04; [ZT v #) 5 \_\_\_)P  
 OIMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP! 5qZ\_! \$  
 TFP\_5v\_5vZ\_! \$

VZHNfZ ov zL I5S, 5p[ , RN=3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VFSFZ6L J; ], FT VIWSFZLs5I`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJQFI ov VZHNfZGL TFP#! q#qZ\_! \$ GL VZHL J[8hMGDF8IP5IP:SLD GRZ4VOFH64VDP5IPGRZ\*4 VDP5IPZ) JF/L  
 ID, STGL DFICTL VF5JF AFATP

; NE"ovVZHNfZGL TFP5q5q! \$ YL V5L, G[SMC/WZ/FAP/15 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZfST IJQFI VG[; NE"AFAT[H6FJJFG]S[ VZHNfZ wJZF TFP#! q#qZ\_! \$ GF ZMH DFICTL DFUTL VZHL O[! [L  
 . HGZ VG[ DNGLX HFCZ DFICTL VIWSFZL4 XCZ IJSF; 4 ; [ZT DCFGUZ5FI, SF J[8hMG[ SZJFDF VEFJ, P H[ J[8hMG  
 VF. POLPGR! ! Z! 4 TFP#! q#qZ\_! \$ YL GWWFI, CTIP HGF VG[ WFG[ V+Y[ , FUT IJ:TFZGF HFCZ DFICTL VIWSFZL VG[OP. HGZ  
 5I`RDhMG TZOYL 5+ GRJ[8hMGqVFP8IPVF. P; [ q) )4 TFP! )q\$Z\_! \$ YL IGI T ; DI DA VZHNfZG[DFICTL 5ZL 5FOJFDF VEFJ,  
 H[DF H6FJ, S[DNF GR ! YL !! DADFUFDF VEFJ, ID, STGL VM/B VUG[DFICTL V:508 H6FTL CMI :508 DFICTL 5ZL 5FOI [Y  
 ; NZ DFICTL V+[ 5ZL 5FOJFDF VEFX[ TPDH DNF GR! Z Vg[ I [ 8IP5IP:SLD GR! ZsVOFH6f VDP5IPZ\* GF DHZ YI, ZHFIR9LGL  
 GS, GF ~FP! ! 4\_#\*qv EZ5F. SI [Y p5, aW Y. XSP TPDH ; NZ DFICTL DF8[J[8hMG VFP8IPVF. P\*54 TFP! 5q\$Z\_! \$ YL HFCZ  
 DFICL VIWSFZL VG[OP. HGZzl sDwl :Y XCZ IJSF; f G[56 TANL, SZJFDF VEFJ, KP VZHNfZ[ccVE6 VIWSFZLVMG[8IP5IP VG[  
 VDP5IP VF%I F AFN 56 HuI F :508 YTL GYIP E[8RFZL VIWSFZLG[HJFA VF5JFDFN[B YFI K[HMYL ; NZ VZHL VU[DNF GR! Z DA  
 HJFA VF5JFDF VEFJ, AFSL SM. HJFA VF5, GYIP HMYL VFBL OF. , svZHLGF SFU/f O[ DFD/JF5F+ K[VG[VE6 DIML ; FCJAG[  
 E6TZGL jI J:YF SZFJL H~ZL CMI H[wI FG[ , Vg[ jI IST wJZF HJFA VF5JF VDFZL GD[VZH K[ V[DFZHY. G[V5L, SZ, KP  
 H[AFAT[HFCZ DFICTL VIWSFZLV[ 5ZS B], F; FDFAZH] SZ, IJUTDAOP%, MB Z\* DA ; A %, MBGL IJUT :508 YTL G CMI :508TF  
 DUFJ, CTIP

v0 CSD ov

VZHNfZGL TFP#! q#qZ\_! \$ GL VZHL AFAT[V+GF IJEFUGF HFCZ DFICTL VIWSFZLVM VG[OP. HGZ4 XCZ IJSF;  
 TZOYL . q:5[5XG 5Z] 5FOJF VZHNfZG[; DI DIFNDFAHJFA SZ, KP TPDH 5[ F EZJF H6FJ, 5ZT] VZHNfZ[5[ F EZ, GYL VG[  
 VZHLGF SFU/ O[DA D]; JJF DFU6L SZ, H[ SFINF ; FY[ ; ] UT GYL HFCZ DFICTL VIWSFZL wJZF 5ZS B], F; F DHA VFYL  
 VZHNfZG[ALHL TS~5[HM TDFD DFICTL D/JJF DFUTF CMI TM :508TF ; C DFU, DFICTL VY[HFCZ DFICTL VIWSFZLGM VFUMTZM  
 ; DI D/JL I muI H6FTL GS, RFHL, EZL D/JJF :JT+ K[VG[T[AFATGL 5]TTF SZJF VFYL HFCZ DFICTL VIWSFZL VG[OP. HGZzl  
 XCZ IJSF; IJEFUG[H6FJJFDF VEFJ]KP

s OLP VDP HZLJF, F f  
 V[5], [8 V[10; Z VG[  
 SFI "5F, S . HGZ  
 s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SP

5]T4

s! f HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLs5I`RDhMGfPPPPPHF6 TYF VD, DF8P  
 szf VF; IP GFD, V[10; Z VG[VFP8IPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s#f zL I5S, 5p[ , RN=3LJF/F4 T[VMGL V5L, VZHL VU[p5ZGL IJUT[RCSD wJZF SZJFDF VEFJ, IGSF, ; AA HF6 ; F-P



OLPVDPHZLJF, F  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5IüD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ] ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G[SMC/WZ/FAP/GP! &qZ\_! \$  
TFP\_5v\_5v! \$

VZHNfZ ov zL I5S, 5[ok, RN=3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VFSFZ6L J; ], FT VIWSFZLs5I`RDhMGvZFNZf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP\$q\$qZ\_! \$ GL VZHLYL ; J[GRZ! q! 4 Z! qZ4 ZZqZ 8LP5LPv\$54 VDP5LPsHCFULZ5ZfV5L; FNF4  
a, MS GR#! 4 GF DJ/ B0 GR#\_ ; FD[VITD B0 GR#\* JF/L ID, STDAYI, AFWSFD DF8[VFSFZ6L IJEFUDA  
GMW6L DF8GL TDFD OF. , \*s#f5 DJHA VFSFZ6L RM50[GMWTF 5C, F XCZ IJSF; IJEFUDAYL DFUJFDVVFJ,  
VIE5FI GL SM5L VF5JF AFAT TDH Z\_! ! v! Z VFSFZ6LGF GFD4 GAZ VF%I F CMI TGL ; LOL AGEJL VF5JF  
AFATP

; NE"ovVZHNfZGL TFP5q5q! \$ YL V5L, GRSMC/WZ/FAP/16 Z\_! \$q! 5GL 5YD V5L, AFATP

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]S[ VZHNfZ wJZF TFP\$q\$qZ\_! \$ GF ZMH DFICTL DFUTL VZHL HFCZ  
DFICTL VIWSFZL VG[VFSFZ6L VIWSFZL4 ; ZT DCFGUZ5FI, SFG J[8hMGG[SZJFDVVFJ, P H[HFCZ DFICTL VIWSFZL VG[VFSFZ6L  
J; ], FT BFT] VF. POLPGR! 54 TFP\$q\$qZ\_! \$ YL GMWFI, CTIP HGF VG; WFG[V+YL HFCZ DFICTL VIWSFZL VG[VFSFZ6L J; ], FT  
VIWSFZL4 5I`RDhMG TZOYL 5+ GRJ[8hMGqVFP8LPVF. P; ], q! &\*4 TPZ(q\$qZ\_! \$ YL VZHNfZG]p5ZMST Z\$OGF TDFZMGL GS,  
DJ/JF DF8[5FGF GUP#! # GF ~FP&Z&qv E I YL DFICTL DJ/JL XSXMVD H6FJ, P TDH Vgl AFWSFD NFB, SZJFGL SFDULZL SFI ZT  
CMI HYL DFICTL VF5L XSFI TD GYIP VFD KTF 5ZS IJUTM HJL S[DSFG4 AU, F GAZ4 %, M8 GAZ4 8GFD[8 GAZ IJUJ[HJL JW  
IJUTM5F%T YI YL DFICTL VF5L XSFX[VJ]H6FJ, P

H[VU[VZHNfZ]TFP5q5qZ\_! \$ GF ZMH GFZH Y. V5L, DAH6FJ[K[S[ccDFUJFDVVFJ, DFICTL TDFD :508 K[  
5ZT]DNF GR! DAVFJ, TDFD SFU/GL OF. , RSF; 6L DFUJFDVVFJL K[VG[DNF GRZ DAVFSFZ6L BTFDFASM%I BZ 5Z GJL GMWFI, L  
ID, STGF 5FOJFDVVFJ, 8GFD[8 GAZJF/L ; LOL DFUL K[H[DNF GRZ GL DFICTL TDFD hMG wJZF VF5JFDVVFJL K[DF+ ZFNZ hMG  
wJZF URJ6 E I M HJFA VF5L DFU I F DJHAGL DFICTL VF5, GYLPcc H[VU[HFCZ DFICTL VIWSFZL VG[J; ], FT VIWSFZLGL H6FJ,  
IJUT[TDFD ID, STM VY[XCZ IJSF; IJEFUGM VIE5FI DJ/JFDVVFJTM GYIP TDH JOF"Z\_! ! YL DJ/J, TDFD VIE5FI DF8GM  
Z\$0"V, FI NM IGEFJJFDVVFJTM GYIP HYL TGL V, UYL ; LOL AGEJJFGL YFI H[DF8[VFP8LPVF. PSFI NFDVHMJJF. G CMI IGI D  
DJHA T[MGL DFU6L SFI NF ; FY[; ] UT KP

vo CSD ov

VZHNfZGL TFP\$q\$qZ\_! \$ GL VZHLYL DFU, DFICTL VU[DNF GR! 4Z DF8[V5L, SZ, H[V+GF IJEFUG[D/, CMI  
VG[HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZL TZOYL SZ, 5; TFJ DJHA DNF GR! AFAT[5FGF IN9 ~FPZqv , B[S,  
5FGF #! # GF S, ~FP&Z&qv EZL DFICTL DJ/JF T[M :JT+ KP TDH DNF GRZ VU[GFZHULG] SFZ6 ZCJF 5FD, CMI TMT[MwJZF  
VFUMTGM ; DI DJ/JL ; 5S"SI YL TDGL DFU I F DJHAGL ID, STMGL DFICTL q GS, VF5JF VFYL HFCZ DFICTL VIWSFZL VG[J; ], FT  
VIWSFZLGH6FJJFDVVFJ[KP

s OLP VDP HZLJF, F f  
V[5], [8 V[Q; Z VG[  
SFI "5F, S . HGZ  
s5IzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SP

5]T4

s! f HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLs5I`RDhMGFPPPPPHF6 TYF VD, DF8P  
szf VF; IP GFD, V[Q; Z VG[VFP8LPVF. P; ], 5]TPPPPPPHF6 DF8P

s#f zL I5S, 5[ok, RN=3LJF/F4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDVVFJ, IGSF, ; AA HF6 ; F-P

<p>OLPV DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; [ZT v #) 5 ___)P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GR! \*qZ\_! \$  
TFP\_5v\_5v! \$

VZHNfZ ov zL IG, [XS]DFZ XFVT, F, , f[8JF, F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] [BL . HGZ4 HPSPRFWZL sXCZ IJSF; f sJ: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov ; PDP5FP J: 8hfG SRZL XCZ IJSF; DAVF; LP . HGZGFACf: f p5Z OZH AHFJTF  
VF; LP . HGZ VFZP5LP58[ ; f{5YDJFZ ; [ZT DCFGUZ5FI, SF EFZF SI FZ[VG[S.  
; F, DFIGD6[ SZJFDFVfJ, CTlm ; NZC\IGD6[ SZJFDFVfJ, VF[ZGL 5DFI6T  
GS, D: f GR ! YL ! Z GL DFICTL AFATP

; NE" ov V+GL VZHNfZGL TFP\_5q\_5q! \$ GL SMC/WZ/FAP/ GR! \*qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZ[ VDLXG, ; L8L . HGZzL4 HFCZ DFICTL  
VIWSFZL VG[SFI "5F, S . HGZzLG[ ; AFWTL D: f GR \$ DAV! YL ! Z D: f GL DFICTL DFUTL VZHL TFPZ) q\_#q! \$ GA  
ZFH SZJFDFVfJ, P H[V+YL 5+ GRqVFZP8LPVF. P; [ qJ: 8hfGq! \*\$54 TFPZ) q\_#q! \$ YL 5YDz[6L S, FS" Dwl : Y  
SRZL VG[ ; [SXG VF[0; Z Dwl : Y DC[SDG[VfIXS DFICTL DF8[TANL, SZJFDFVfJ, P HI FZ[D: f GR \$ DAV! \_ DF8[  
; [SXG VF[0; Z . gSJI ZL VG[OP V[fpq8g84 IC; FAL IJEFU Dwl : Y SRZLG[TANL, SZJFDFVfJ, P H[5YDz[6L  
S, FS" HFCZ DFICTL VIWSFZL4 Dwl : Y SRZL TZOYL 5+ GR; LqZ! 4TFP\_Zq\_\$q! \$ YL 0%] [BL . HGZ J: 8hfG 0%] [BL  
8fpG%, FGZzL4 0%] [BL V[fpq8g8zL sIC; FAL IJEFUf4 VPVFZPVFP J: 8hfG4 ; [SXG VF[0; Z Dwl : Y DC[SDG[  
TANL, SZJFDFVfJ, P H[VU[ VZHNfZG[V+YL D: f GR ! YL \$ GL DFICTL 5+ GRqVFZ8LVF. ; [ qJ: 8hfGq&(4  
TFP! 5q\_\$q! # YL IGI T ; DI VJIWDF\5ZL 5F0JFDFVfJ, KP HI FZ[D: f GR 5 YL ( VG[! ZGL DFICTL 5+ GRq  
VFZ8LVF. ; [ qJ: 8hfGq\*! 4 TFP! 5q\_\$q! \$ YL VZHNfZG[IGI T ; DI VJIWDF\5ZL 5F0JFDFVfJ, KP H[VU[  
VZHNfZ[TFP\_Zq\_5q! \$ GAVFH ~FP &qv GF6AEZ5F. SZL DFICTLGL GS, D/ J, KP

VZHNfZ[ TFP\_Zq\_5q! \$ YL SFI "5F, S . HGZ VG[V[5[, [B VF[0; Z J: 8hfGG[5YD V5L, VZHL  
SZJFDFVfJ, KP H[DFVZHNfZ[D: f GR5 YL ( VG[! ZGL VF5[ L DFICTL JFIC I FT4AFU; VG[; tI YL JU/f[CFJFGL  
TDPH SFI NFGF 5: YFI5 T I; wWVTFGF[E U SZ, CFJFG\H6FJL V5L, VZHL SZ, KP

VZHNfZ[ V5L, DAV SDRFZLGA ; ZSFZL CF: f GF[ Np5 I fU SZL E[8FRFZ SZGFZF ; FD[ X] SFI "JFCL  
SZJFGL CF[ KP TDPH ZLhJXGGFA%, fB GAVZ[04 ; LPVP5LP GAVZ[0" TDPH SDRFZLGL ; FD[5U, F EZJFGL IX1ftDS  
SFI "JFCL AFAT[GL D/ VZHLYL V, FI NL IJUTf[DF8[V5L, TASS[JCLJ8L SFI "JFCLG[, UTL ZHMFT SZ, KP

HFCZ DFICTL VIWSFZL TZOYL V5L, TASS[TFPZ&q\_5q! \$ YL ZFNZ hfGGAVZ[0" p5Z p5, aW C9/  
; NZ DFICTL p5, aW CFJFG\5]Go 56 H6FJ, KP VZHNfZ[ TDPG D: f GR 5 YL ( VG[! Z AFAT[HFCZ DFICTL  
VIWSFZLV[ T]L DFICTL Z[0" p5Z p5, aW G CFJFG\H6FJ, KP VZHNfZ[ D: f GR 5 DAVGF6AJ; ], JFGL SF<5IGS



ZHMFTE[ SZ] L KP TDH VZHNFZ[ DHSZ SDRFZL AFAT[ IX1ff+DS SFI "JFCL VUJL GFBL; F[ VG[ . d5S8 OL AFAT[ DFICTL p5, aW G CFJFG\H6FJ], KP H[V+GL SRZLV[NOTZL p5, aW DFICTL VFZP8LPVF. PV\$8GL S, D ZF VG[ ZJ DJHA H6FJJFGL CF] K[T[H6FJJFDF\VFJ], KP JWDF\GFBL; S[IX1ff+DS SFI "JFCL VgI IJEFUF[VG[Dwl :Y DCSD VG[ . gSJFI ZL IJEFUDF\VFJL SFI "JFCL RF, TL CF] TF[T[VU[ VZHL TANL, SZJFDF\VFJ], KP VFYL VZHNFZG[ V+GF\ Z\$0" p5ZGL CSLST, 1FL HF6 HFCZ DFICTL VIWSFZL TZOYL SZJFDF\VFJ], KP TD KTF\ VZHNFZG[U]HZFT ; ZSFZGF\UJF V\$8vZ\_!! DJHA TFPZ(q\_#q! ! ; )MGL ; DI DI FNF AFN 56 SFI NFGF[E\U SZL . d5S8 OL J; ], , JFGL ZHMFTE VU[OF. , G\IGZL1F6 T8, F 5ZT\ 5Z\ 5F0JFG\ZCP VFYL VZHNFZGL T8, F 5ZTL VFXS V5L, VZHILGF:JLSFZ SZL T[VUJ\NOTZL T5F; 5ZL 5F0JFGL ZCP

### C]SD

VZHNFZGL TFPZ)q\_#q! \$ GL VZHLYL DFUJFDF\VFJ], L DFICTL 5SL DJ]F GR ! Z GL . d5S8 OL J; ], FT VUJL , FUT OF. , FG\ VZHNFZG[VFZP8LPVF. P V\$8GL S, Dv5s#f C9/ 5f F EZL . g:5\$XG 5Z] 5F0L SFI NFGF[E\U YI], GYL T[AFAT ; ]GI JT SZL H~ZL GS, 5ZL 5F0JF 0%l BL . HGZ VG[ HFCZ DFICTL VIWSFZL ZFNZ HFGG[H6FJJFDF\VFJ] KP OZLI FN CSLSTDF\pST H6FJ], IX1ff+DS SFI "JFCL DF8; 1FD VIWSFZLG[V , UYL ZHMFTE SZJF VZHNFZ :JT+ KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V5], B VF]O; Z VG[  
SFI 5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

### 5]T4

s! f HFCZ DFICTL VIWSFZL VG[0%l BL . HGZ4 HPSPRF\WZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPP  
PPPPPPPHF6 TYF VD, DF8P  
s#f VF; LP GFp, VF]O; Z VG[VFZP8LPVF. P; ], 5]TPPPPPPHF6 DF8P  
s\$f zL IG, XSDfZ XFAT, F, , FB]F, F4 TM]MGL V5L, VZHL VU[p5ZGL IJUTGFCSD wJFZF SZJFDF\VFJ],  
IGSF, ; AA HF6 ; F~P

<p>OLPV DPHZLJF, F V 5 ,  B VMOL; Z VG  SFI "5F, S . HGZ</p>		<p>;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFNZ ZM04;  ZT v #) 5 ___)P OMG0_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP! (qZ\_! \$  
TFP\_&v\_5v! \$

VZHNfZ ov zL D|S|XEF. G|DRN DC|TF

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL V|DPVFPV|RP VG|UJDF: TF . g: 5|S8Z sJ|: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ; \YFGA|OP ; |P8L V|j0 : 8fg00" V|S8vZ\_\_\_& D|HA , FI ; g; D|/JJF DF8|VZHL  
SIFGASB, F ; DI DFI, FI ; g; VF5JFDFV|FJ|K|T|GL DFICTL D|jF GR ! YL \$ AFATP  
; NE" ov V+|GL VZHNfZGL TFP\_&q\_5q! \$ GL SMC/WZ/FAP/ GR ! (qZ\_! \$P

p5ZF|ST IJQFI VG|; NE" AFAT|H6EJJFG|S|VZHNfZ TZOYL OP ; |P8L V|j0 : 8fg00" V|S8vZ\_\_\_& GA  
, FI ; g; AFAT|D|jF GR ! YL \$ GL DFICTL DFUTL VZHL VFZF|I VIWSFZL VG|HFCZ DFICTL VIWSFZL J|: 8 hfG  
BFT|TFP\_)q\_5q! \$ GAZFH SZJFDFV|FJ|, P H|V+|YL 5+ GRJ|: 8 hfGqV|FZP8LPVF. P; |, Pq! \_54 TFPZ! q\_5q! \$ YL  
HFCZ DFICTL VIWSFZL VG| RLO OP ; |P8L V|j0; ZG| TANL, SZJFDFV|FJ|, P T|DH 5+ GRJ|: 8hfGq  
V|FZP8LPVF. P; |, Pq! \_& TFP Z! q\_5q! \$ YL VZHNfZGL V|FJL DFICTL V+|GF IJEFUG| , FU| 50TL GYL T|j| HFCZ  
DFICTL VIWSFZL UJDF: TFWZF IJEFU ZFNZ hfG TZOYL ; DI DI FNDFV|HJFA 5F9JJFDFV|FJ|, P

H|VU|VZHNfZ|TFP\_5q\_5q! \$ GAZFH SFI "5F, S . HGZ VG|V|5|, |B V|j0; ZG|SZ| V5L, VZHLDFV  
VFZF|I VIWSFZLV|DFU|, DFICTL UZDFU|NFZGFZ VG|; |TF|SFZS HJFA VF5JFDFV|FJ|, G CF| T|j|H6EJL 5|YD  
V5L, VZHL SZJFDFV|FJ|, K|P H|V+|YL 5+ GRJ|: 8 hfGqV|FZP8LPVF. P; |, Pq! ) (4 TFP\_\*q\_5q! \$ YL V5L,  
VIWSFZL VG|VFZF|I VIWSFZL4 IN<, L U|B BFT|IGI T ; DI V|JIWDFV|TANL, SZJFDFV|FJ|, K|P VFD VZHNfZ|  
T|DGL DFICTL T|DH V5L, A|jG| ; |AWLT HFCZ DFICTL VIWSFZLG|SZ| GYLP HYL ; NZ HFCZ DFICTL VIWSFZL  
TZOYL VZHNfZGL VZHL T|DH V5L, , FUT VIWSFZLG|V|FZP8LPVF. P SFI NFGL S, D &s#f C|P/ ; |5|B" TANL,  
SZJFDFV|FJ|, K|P VFYL VZHNfZGL VZHL S|V5L, AFAT|V+|YL SF| SFI "JFCL SZJFGL ZC|TL G CF| P V5L, VZHL  
NOTZ|SZJFDFV|FJ|K|P

C|SD

VZHNfZGL TFP\_)q\_5q! \$ GL VZHLYL DFUJFDFV|FJ|, DFICTL ; |5|B"ZLT|RLO OP ; |P8L V|j0; ZG|  
TANL, SZ|, CF| P V+|YL SF| SFI "JFCL SZJFGL ZC|TL G CF| P V5L, VZHL NOTZ|SZJFDFV|FJ|K|P

GRJ|: 8 hMGqV|FZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V|5|, |B V|j0; Z VG|  
SFI "5F, S . HGZ s5lZD hfGvZFNZf  
; |ZT DCFGUZ5FI, SFP

GS, ZJFGF4

s! f HFCZ DFICTL VIWSFZL VG|0%| |BL V|DPVFPV|RP VG|UJDF: TF . g: 5|S8Z s5lZD hMGfPPPPPHF6 TYF VD, DF8P  
sZf VF; |P GF|, V|j0; Z VG|V|FZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s#f HFCZ DFICTL VIWSFZL VG|RLO OP ; |P8L V|j0; Z sOP IJEFU4 ; |PDP5FP 5|TPPPPPPHF6 DF8P  
s\$F zL D|S|XEF. GDRNEF. DC|TF4 T|MIGL V5L, VZHL VU|p5ZGL IJUT|GAC|SD wJZF SZJFDFV|FJ|, IGSF, ; AA  
HF6 ; F~P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[UJ; ZM04 TFOJFOL4  
gl ]ZFN[Z ZM04; [ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G<sup>PSMC/WZ/FAP/GR!</sup> )qZ\_! \$  
TFP! 5v\_5v! \$

VZHNfZ ov zLDIT SD, FA[G ISXFZL, F, F XFC

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] [BL . HGZ4 H<sup>PSP</sup> RF[WZL sXCZ IJSF; f VG[ U]DF: TF  
. g: 5[8Z4 ALSP, F5; LJF/F sJ]: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov DFH[ZFNZ ZP; PGR ! &\* YL GFWFI [L ID<STDAVEJ], CZL VFD GUZ ; f; FP GFAU, F  
GR &qAL JF/L ID<STG[, FU]VEJ, DFHLGDFAU, FGADFI, S[AFWSFD SZLGZ[TL S5RL  
JRJFGF[WWF[SZ[K[TF[T[VU[VF5GL SRZL TZOYL UDF: TFWFZG], FI ; g; AU, FGA  
DFI, S S[EFO]MFTG[VF5], K[S[SDm T[VU[GL DFICTL D]F GR ! YL 5 AFATP

; NE"ov V+GL VZHNfZGL TFP! 5q\_5q! \$ GL <sup>SMC/WZ/FAP/GR!</sup> )qZ\_! \$P

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZ TZOYL Jf 8hfG TFP! ! q\_#q! \$ GAZFH DFH[ZP; P  
GR ! &\* YL GFWFI [L CZL VFD GUZ ; f; FP GFAU, F GR &qAL AFAT[AFWSFD VG[WWF VY[U]DF: TFWFZ , FI ; g; GL  
D]F GR ! YL 5 GL DFICTL DFUJFDAVEJ, P H[HFCZ DFICTL VIWSFZL UDF: TFWFZ TZOYL D]F GR ! AFAT[5+ GR  
J]: 8 hfGqVFP8LPVF. P; [Pq! \*! 54 TFPZ5q\_#q! \$ YL IGI T ; DI VJIWDA DFICTL 5ZL 5FOJFDAVEJ, KP HI FZ  
D]F GR Z YL 5 GL DFICTL 0%] [BL . HGZ HFCZ DFICTL VIWSFZL ZFNZ hfG TZOYL 5+ GRJ]: 8hfGqVFP8LPVF. P; [Pq  
! \*#)4 TFPZ(q\_#q! \$ YL IGI T ; DI VJIWDA; NZ DFICTL NOTZL Z\$0GL RSF; 6L SZTAVZ\$0" p5Z p5, aW G  
CFJFG]H6FJ], KP VFYL VZHNfZG[NOTZL p5, aW CSLST, 1FL DFICTL H6FJJFDAVEJ, KP

H[VZHNfZ]TFP! \$q\_5q! \$ GAZFH V5L, VIWSFZL ; [ZT DCFGUZ5FI, SFG]; AFW SZTL VZHL Jf: 8 hfG  
BFT[SZJFDAVEJ, P HDAVZHNfZ[U]F/ U]F/ HJFA VF5, CFJFG]H6FJL 5YD V5L, VZHL SZ, KP JWDAFAU F  
D]HAGL DFICTL SRZLDA p5, aW G CFJFG] V5L, TASS[ HFCZ DFICTL VIWSFZLV[ 5]G0 56 H6FJ], KP VFYL  
VZHNfZG[, FUT Z\$0GFANOTZG]. g: 5[XG 5Z]5FOJFG]ZCP VFP8LPVF. P V\$8 GL S, D ZF VG[ZJ D]HA HFCZ  
DFICTL VIWSFZL 5F; YL NOTZL p5, aW DFICTL 5ZL 5FOJFGL HFUJF. KP

C]SD

VZHNfZGL TFP! ! q\_#q! \$ GL VZHLYL DFUJFDAVEJ, DFICTL 5SL D]F GR Z YL 5 GL DFICTL  
NOTZL p5, aW G CFJFYL VZHNfZ HFCZ DFICTL VIWSFZLG[VF]0; SFDSFH NZIDI FG INGv\* DA VFUF[TZF]; DI  
D]/JL , FUT NOTZGF. g: 5[XG SZL XS[KP VZHNfZGL VFJL DFU6L YI YL HFCZ DFICTL VIWSFZLV[, FUT NOTZG]  
. g: 5[XG 5Z]5FOJF 0%] [BL . HGZ HFCZ DFICTL VIWSFZLG[H6FJJFDAVEJ]KP

HI FZ[D]j F GR ! GL DFICTL 5ZL 5F0[, CF| T|VU[SF| C\$D SZJGF[ZC[TF[GYLP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s 0LP VDP HZLJF, F f  
V5[, B VF|0; Z VG|  
SF| '5F, S . HGZ s5IzD hFGvZFNZF  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG|0%| BL . HGZ4 H|PSP RF|WZL VG|U|DF: TF . g: 5\$8Z4ALPSP , F5; FJF/Fs5IzD hMGfPPPP HF6  
TYF VD, DF8P

sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|H|GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPPP HF6 TYF  
VD, DF8P

s#f VF; LP GF|, VF|0; Z VG|VFZP8LPVF. P; |, 5|T|PPPPPPHF6 DF8P

s\$f zLDIT SD, FAG ISXFZL, F, XFC4 T|VMGL V5L, VZHL VU|p5ZGL IJUTGFC\$D wJFZF SZJFDFVFJ|, IGSF, ; AA  
HF6 ; F~P

OLPV DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gI   ZFNZ ZM04; [ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~SMC/WZ/FAP~~/GPZ\_qZ\_! \$  
 TP! 5v\_5v! \$

VZHNZ ov zLDIT SD, FAG ISXFZL, F, F XFC  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] BL . HGZ4 HPSR RFWZL sXCZ IJSF; f sJ[: 8 hMGf  
 OZLI FNGL CSLST ov

IJOFI ov DFH[ZFNZ ZP; PGR ! &\* YL GFWF[ L ID<STDAVFEJ, CZL VFD GUZ ; F; FP GFAU, F  
 GR &qAL GFAFWSFD VU[VF5GL SRZL TZOYL SF. %, FG DHZ SZJFDAVFEJ, K[S[SDm  
 T[VUJGL DFICTL D]F GR ! YL \$ AFATP  
 ; NE"ov V+GL VZHNZGL TP! 5q\_5q! \$ GL ~~SMC/WZ/FAP~~/GR Z\_qZ\_! \$P

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNZ TZOYL TP\_#q\_#q! \$ GAZFH HFCZ DFICTL  
 VIWSFZL ZFNZ hFG BFT[DFH[ZFNZ ZP; PGR ! &\* CZL VFD GUZ ; F; FP GFAU, F GR &qAL GFAFWSFD AFAT[DFICTL  
 DFUTL VZHL SZJFDAVFEJ, P H[VU[V+YL 5+ GR J[: 8 hFGqVFP8LPVF. P; [ Pq\*#4 TP! 5q\_\$q! \$ YL p5, aW  
 Z\$0GL DFICTL VF5[, CF] P H[V+GF SRZLGF Z\$0" p5Z p5, aW GYLP TUL CSLST, 1FL DFICTL VZHNZGL IGI T  
 ; DI VJIWDA5ZL 5FOJFDAVFEJ, KP

H[VU[VZHNZ DFICTL SRZLDA p5, aW CFJF KTA UF/ UF/ HJFA VF5[, KP T]H6FJL  
 TP! \$q\_5q! \$ GAZFH 5YD V5L, VZHL SZ[, KP V5L, TASS[HFCZ DFICTL VIWSFZLG[5]K5ZK SZTATUL  
 DFICTL Z\$0"p5Z p5, aW GYL TUL DFICTL 5ZL 5FO[, KP JWDAp5, aW Z\$0GL DFICTL VF5JFGL CF] KP SFI JFCL  
 SD SZL GYL TDA TGF SFZ6F[S[EIJOI GL VGDFGLT DFICTL 5ZL 5FOJFGL ZC[TL GYLP TD KTA VZHNZ DFICTL  
 p5, aW CFJF AFAT[ , FUT NOTZG]. g: 5\$XG SZL XS[ KP VFP8LPVF. P V\$8 GL S, D ZF VG[ZJ D]HA HFCZ  
 DFICTL VIWSFZL 5F; YL NOTZL p5, aW DFICTL 5ZL 5FOJFGL HFUJF. KP

CJSD

VZHNZGL TP! \$q\_5q! \$ GL VZHLYL DFUJFDAVFEJ, DFICTL NOTZL p5, aW G CFJF AFAT[  
 HFCZ DFICTL VIWSFZLG[VH]O; SFDSFH NZIDI FG INGv\* DAVFUFTZH; DI D]/JL , FUT NOTZGF. g: 5\$XG SZL  
 XS[ KP VZHNZGL VFJL DFU6L YI YL HFCZ DFICTL VIWSFZLV[, FUT NOTZG]. g: 5\$XG 5Z]5FOJF 0%] BL . HGZ  
 HFCZ DFICTL VIWSFZLG[H6FJJFDAVFEJ]KP

GRJ[: 8 hMGqVFP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
 V[5[, [B VFI0; Z VG[  
 SFI "5F, S . HGZ s5IzD hFGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[0%] BL . HGZ4 HPSR RFWZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPHF6 TYF  
 VD, DF8P  
 s#f VF; LP GF0, VFI0; Z VG[VFP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$f zLDIT SD, FAG ISXFZL, F, XFC4 TMMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDAVFEJ, IGSF, ; AA  
 HF6 ; F~P

OLPV[DPHZLJF, F V[5], [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA N[UZ; ZM04 TFOJFOL4 gl ] ZFNZ ZM04; [ZT v #) 5 ___) P OMGo_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL G~~SMC/WZ/FAP~~/GPZ! qZ\_! \$  
 TP! &v\_5v! \$

VZHNfZ ov zL GZ[XEF. V[GP AYJFZ  
 ; FDFJF/F ov HFCZ DFICTL VIWSEZL VG[0%] [BL . HGZ4 V[GPJLP RFWZL sXCZ IJSE; f sJ]; 8 hMGf  
 OZLI FNGL CSLST ov

IJOFI ov 8LP5LP \$\$4 a, fS GR ! # (4 VDP5LP \$\$4 HCFULZ5ZF DHZ ZHFIRöl GS, 4 OFD"GR Z  
 AFWSFDGfV[Alq; L 5+SfGL GS, IJUZGL DFICTL AFATP

; NE"ov V+GL VZHNfZGL TP! &q\_5q! \$ GL SMC/WZ/FAP/ GR Z! qZ\_! \$P

p5ZfST IJOFI VG[; NE" AFAT[H6FJJFG]S[VZHNfZGL TP! \$q\_#q! \$ GL DFICTL DFUTL VZHL  
 AFAT[HFCZ DFICTL VIWSEZL TZOYL 5+ GR J]; 8 hfGqVfZP8LPVF. P; [ Pq! 5! )4 TP! \_q\_#q! \$ YL IGI T ; DI  
 VJIWDFVZHNfZG[DFICTL 5ZL 5FOJFDFVfJ, KP ti FZAFN HFCZ DFICTL VIWSEZLV[Z; INGL hZf[IF GS, 5+ GR  
 J]; 8 hfGqVfZP8LPVF. P; [ PqZZ4 TP\_ \$q\_ \$q! \$ YL DFICTL O[ VFD SF; 8 YL 5ZL 5FOJFDFVfJ, KP

p5ZfST AFAT[VZHNfZ[ TP\_ \*q\_5q! \$ GfZFH #\_ INJ; GL ; DI DI FNFGF EU YI f[CFJFYL 5YD  
 V5L, VZHL SZ, KP VFZP8LPVF. P V[8 GL S, D \*s! f C[ / VZHNfZG[#\_ INJ; DF DFICTL 5ZL 5FOJFGL  
 HFUJF. KP 5ZT)#\_ INJ; AFN HF[TJL DFICTL 5ZL 5FOJFDFVfJ[TF[VfZP8LPVF. P V[8 GL S, D \*s&f C[ / IJGF  
 DkI [5ZL 5FOJFGL ZC[KP VFYL VZHNfZG[56 Z; INGL GS, f[IJGF DkI [5ZL 5FO, KP JWDFDFICTL IGI T ; DI  
 VJIWDF5ZL 5FOJFDFVfJ, KP VFZP8LPVF. P Gf[D] / C[T] VZHNfZG[DFICTL 5ZL 5FOJFG[KP VFYL VZHNfZG[  
 DFICTL VFZP8LPVF. P GfSFI NFGF IGI DF[D]HA S, D 5sSf C[ / Gf\ALP5LPV, P VZHNfZ CF[I P TDG[DFICTL IJGF  
 DkI [5ZL 5FO, KP VFYL VFZP8LPVF. P SFI NFGF[Sf. EU YI [ GYLP T[YL V5L, VZHL NOTZ[SZJFDFVfJ[KP

C[SD

VZHNfZGL TP! \$q\_#q! \$ GL VZHLYL DFUJFDFVfJ, DFICTL VZHNfZG[VfZP8LPVF. P V[8  
 GL S, D \*s! f4 5sSf VG[ \*s&f GL HFUJF. Gf[5F, G SZL DFICTL 5ZL 5FO, CF[I P V5L, VZHL VU[SF, IJXDF  
 SFI "JFCL SZJFGL ZC[T] G CF[I V5L, VZHL NOTZ[SZJFDFVfJ[KP

GRJ]; 8 hMGqVfZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
 V[5], [8 V[10; Z VG[  
 SFI "5F, S . HGZ s5lzd hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSEZL VG[0%] [BL . HGZ4 V[GPJLP RFWZL s5lzd hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSEZL VF; LP . HGZzL VG[H]GL . HGZzL s5lzd hMGvZFNZfXCZ IJSE; PPPPPPPPHF6 TYF  
 VD, DF8P  
 s#f VF; LP GFD, V[10; Z VG[VfZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$F zL GZ[X V[GP AYJFZ4 T[MIGL V5L, VZHL VU[p5ZGL IJUTGf C[SD wJFZF SZJFDFVfJ, IGSF, ; AA HF6 ; F-P

<p>OLPV DPHZLJF, F V[5[,  B VMOL; Z VG  SFI "5F, S . HGZ</p>		<p>;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 g   ZFN Z ZM04;  ZT v #) 5 ___)P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GPZZqZ\_! \$  
TFP!)v\_5v! \$

VZHNfZ ov zL GZ|XEF. V|GP AYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4 OLPJLP RF|WZL sXCZ IJSF; f sJ|: 8 hMGF  
OZLI FNGL CSLST ov

IJQFI ov 8LP5LP #\_4 VDP5LP ! \$&4 ZFNZ VFZP; LP; LP AFWSFDGL DHZ %, FGGL ZHFIRÖL GS,  
IJUZGL DFICTL AFATP

; NE"ov V+|GL VZHNfZGL TFP!) q\_5q! \$ GL SMC/WZ/FAP/ GR ZZqZ\_! \$P

p5ZFST IJQFI VG|; NE" AFAT|H6FJJFG|S|VZHNfZGL TFP! Zq\_Zq! \$ GL VZHLYL 8LP5LP #\_4 VDP5LP  
GR ! \$& GF AFWSFD AFAT|T|DH T|GF OFD"GR Z GF V|VALv; L 5+SFGL4 . g0|GL8L Af|0GL4 :8SARZ :8|AL, l8LGL  
; GN \*q! ZGL4 J|RF6 N:TFJHGL4 VZ5F8"VG|OFI Z VF|YFZL8L , FU|50TL CF| T|T|GL VFSL8S8 AF| V|g|HLGLI ZGF  
Vg0Z8|SUGL4 8LP5LPV|; PGF , LW| Z: TFG| V; Z SZTF :SRGF GF6F E I FGL Z; LINGL4 I |PV|, P; LP V\$8v&s! f GL  
IJUZGF; 8L10SB TYF OFB|U|FO IJUZGL GS, F| DFUTL VZHL SZJFDF VEFJ|, KP HGF Vg|; WFGDF HFCZ DFICTL  
VIWSFZL TZOYL 5+ GR J|:8 hfGqVFZP8LPVF. P; |, Pq| &\*Z4 TFP! #q\_#q! \$ YL VZHNfZG|TFPZ\_q\_#q! \$ GFZF|H  
. g:5\$XG OL 5|YD VOWF S, FS 5KLGf~FP Z\_qv EZ5F. SZL DFICTL D|/JJF H6FJ|, KP

H|VU|VZHNfZ|TFP! \*q\_5q! \$ GFZF|H IJIX08 ; DI UF/FDFD/|, 5|TEFJYL GFZFH Y. 5|YD V5L,  
VZHL SZ|, KP H|DF VZHNfZ|5F:8YL DFU|, DFICTL DF\$, JFGL TYF VOWF S, FS 5KLGf~FP Z\_qv EZ5F. SZJF  
AFAT|GL ZH|VFT SZ|, KP JWDF HFCZ DFICTL VIWSFZLG|VFZP8LPVF. P SFI NFVFG|HF6SFZL 56 G CF|JFG|H6FJ|,  
KP VZHNfZ AIP5LPV|, P CF|JFGF SFZ6| . g:5\$XG VFZP8LPVF. P V\$8 GL S, D 5sSf C9/ ~FP Z\_qv EZ5F.  
SZJFDFD|ST D/|KP T|D KTA~FP Z\_qv EZ5F. SZJFG|H6FJ|, K|H|SFI NF ; FY|; |; UT GYL VG|VZHNfZG|VFJL  
DFICTL VF5JFDFD|ST D/|, KP T|YL T|G|. g:5\$XG IG0X|S ZLT|VF5JFG|ZCP VZHNfZ|DFICTL 5F:8YL DF\$, JF  
AFAT|VZHNfZG|SF| DFICTL GF6F EZIG|VF5JFGL YTL CF| t|FZ|T|GF|IJS<5 GDGFvU DFVH6FJJFDF VEFJ|KP  
JWDF VZHNfZGL ; NZC| ZH|VFT AFAT|H6FJJFG|S| VFZP8LPVF. P SFI NFGL S, Dv\*s) f GL HF|UJF. Vg|; FZ  
DFICTL IJXF/ 5|DF6DFCF| T|>g:5\$XG SZL BA 5ZTL GS, F|D|/JJFG|S|T|JL GS, F|pTFZF SZLG|VZHNfZ D|/JL  
XS|KP VFYL DI FNLT ; XFWGF|w|FG|ZFB L HFCZ DFICTL VIWSFZL T|JL DFICTL D|/JJF VZHNfZG|. g:5\$XG SZL  
BA 5ZTL DFICTL D|/JJF H6FJL XS|KP 5ZT|5|:TJ IS:; FDFVZHNfZ AIP5LPV|, P CF| P TMFG|. g:5\$XGGF|RFH"  
DFD|ST D/|, CF| IG0X|S . g:5\$XG 5Z|5F0JFG|ZCP

CSD

VZHNfZGL TFP! Zq\_Zq! \$ GL VZHLYL DFUJFDfVfJl, DFICTL HfCZ DFICTL VIWSfZLV[SZl  
5l: TFJDFVZHNFZ ALP5LPVl, P Cfll P T[VfG]. g: 5\$XG RFH"E I F"IJGF IG0X}S . g: 5\$XG 5Zl 5f0Jf VG[H~ZL VGl  
BA 5ZTL GS, fl VYJf TGF pTFZF >g: 5\$XG Vf5L INGv\* DF5Zf 5f0Jf 0%l Bl . HGZ ZFNZ hfGGl H6fJJDFf  
VfJlKp

GRJl: 8 hMGqVfZP8LPVf. PqGR  
TFZLBov v vZ\_! \$P

s 0LP VDP HZLJf, f f  
V5l, Bl Vfll0; Z VGl  
SfI '5f, S . HGZ s5lZD hfGvZFNZf  
; ZT DCFGUZ5fI, SFP

GS, ZJfGF4

s! f HfCZ DFICTL VIWSfZL VGl0%l Bl . HGZ4 0LPJLP RFVZL s5lZD hMGfPPPPPHf6 Tyf VD, DF8P  
sZf DNGLX HfCZ DFICTL VIWSfZL Vf; lP . HGZzL VGlHJl . HGZzL s5lZD hMGvZFNZfXfCZ lJSf; PPPPPPHf6 Tyf  
VD, DF8P

s#f Vf; lP GF0, Vfll0; Z VGlVfZP8LPVf. P; l, 5lTPPPPPPHf6 DF8P

s\$f zL GZlX VGP AYJfZ4 TMMGL V5L, VZHL VUlP5ZGL lJUTGfCSD wJfZf SZJFDfVfJl, lGSf, ; AA Hf6 ; F~P



<p>OLPV DPHZLJF, F V[5[, ]8 VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; ]T DCFGUZ5FI, SF 5lÜD hMG sZFN]Zf OFPAF, F; FC]A N]JZ; ZM04 TFOJFOL4 gl ]ZFN]Z ZM04; ]T v #) 5 ___)P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GPZ#qZ\_! \$  
TP Z#v\_5v! \$

VZHNfZ ov zL 15I ]FEEF. 9FSF]ZEF. 58],

; FDFJF/F ov HFC]Z DFICTL VIWSFZL VG[ VF[, 0%I ]8L . HGZ sXC]Z IJSF; f sJ]: 8 hMGF

OZLI FNGL CSLST ov

IJOFI ov ; ]T DCFGUZ5FI, SFGF +LHLz]6L S, FS"zL EFuI X 5LP 3LJF, F4 SDRFZL GR ##! \_5  
sCF, SDRFZL GR #) (#Zf TZLS[OZH AHFJTF]VIWSFZLGL DFICTL D]j F GR ! YL ZZ  
AFATP

; NE"ov V+GL VZHNfZGL TFPZ#q\_5q! \$ GL ~~SMC/WZ/FAP~~/ GR Z#qZ\_! \$P

p5Z]ST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFP! )q\_5q! \$ GL VZHLYL ; PDP5FP DFI  
ALHL z]6LGFAS, FSzL EFuI X 5LP 3LJF, F4 SDRFZL GR ##! \_5 sCF, SDRFZL GR #) (#Zf TZLS[OZH AHFJTF]  
SDRFZL AFATGL T]DGL OZHSF/ NZdI FG U]ZJTGF[ VG[T]DGF VFUFDL GF]SZL T]DH , FI SFT IJU]Z[AFAT[D]j F GR !  
YL ZZ GL DFICTL DFUTL VZHL HFC]Z DFICTL VIWSFZL4 SFI "5F, S . HGZ ZFN]Z hfGD]ASZJFDF]VFJ], P H[ZFN]Z hfG  
TZOYL 5+ GR J]: 8 hfGqVFP8LPVF. P; ], Pq! \$) 4 TFPZ#q\_5q! \$ YL HFC]Z DFICTL VIWSFZL VG[TDFD hfG4 HFC]Z  
DFICTL VIWSFZL VG[XC]Z IJSF; IJEFU sDwl :Y SRZL]4 HFC]Z DFICTL VIWSFZL VG[Dwl :Y DC]SD s. gSJFI ZL]4  
HFC]Z DFICTL VIWSFZL VG[8fpG %, FIGU IJEFU4 HFC]Z DFICTL VIWSFZL VG[IJHL, g; IJEFU Dwl :Y SRZL]4  
HFC]Z DFICTL VIWSFZL VG[Dwl :Y DC]SD IJEFU4 HFC]Z DFICTL VIWSFZL VG[. , ]SXG VG[; ]j; ; IJEFU G[IGI T  
; DI VJIWDF]TANL, SZJFDF]VFJ], KP

VZHNfZGL VZHLG[V+GF IJEFUG[: 5X"TF V]FXS D]j F GR ! ( YL ZZ GL DFICTL VZHNfZG[ 5+ GR  
J]: 8 hfGqVFP8LPVF. P; ], PqZ\*Z4 TFPZ#q\_5q! \$ YL 5]ZL 5F0JFDF] VFJ], KP TYF D]j F GR ! ( VU[ ~FP )&qv4  
TFPZ)q\_5q! \$ GF]ZFH EZ5F. SZL VZHNfZ[ DFICTL D]/J], KP T]DH VZHNfZG[D]j F GR ! )4 Z\_ VG[ ZZ GL  
DFICTL NOTZ[ p5, aW G CF]JFG] TYF D]j F GR Z! GL DFICTL 5]ZL 5F0JFDF] VFJ], KP HIFZ[ D]j F GR ZZ AFAT[  
. g: 5]SXG SZL HJF 56 H6FJJFDF]VFJ], KP

VZHNfZ[ TFPZ#q\_5q! \$ GF]ZFH #\_ INJ; GL VNZ SF]. IG6" D]/, GYL VG[T]GFYL GFZFH Y.  
; V]ST V5L, VZHL V5L, VIWSFZL VG[SFI "5F, S . HGZ ZFN]Z hfGG[ ]SZJFDF]VFJ], KP H[V+GF]D]j F GR ! ( YL  
ZZ VXT0I; JFI GL DFICTL VgI IJEFUG[: 5X"TL CF] P T]V]FG] V5L, TANL, SZJFGL ZCP JWDF]VZHNfZ[V5L, DFI  
SF]. IG6" D]/, G CF]JF AFAT[ZH]MFT SZL KP 5Z]T]V+GL VZHLGL DFICTL ; NE[VZHNfZ[~FP )&qv EZ5F. SZL  
VZHNfZ[DFICTL D]/J], KP V+[5CF]R p5Z VZHNfZGL ; CL 56 , LW], KP H]YL V+GF IJEFUG[: 5X"TL"DFICTL G  
D?IF VU[VZHNfZGF NFJFG]; DYG D/T]GYIP VgI IJEFU DF8[H[V5L, TANL, SZJFDF]G VFJL CF] T]F]INGv5  
DF]VZHL TANL, SZJFGL ZCP HFC]Z DFICTL VIWSFZL GF]V5L, VIWSFZLVFG[V5L, VZHL TANL, SZJFGL ZCP  
HIFZ[V+GF IJEFUG[: 5X"TL DFICTL 5]ZL 5F0], CF] P V5L, VZHL VU[SF]. SFI "JFCL SZJFGL ZC]TL GYIP

CSD

VZHNZGL TFP! )q\_ \$q! \$ GL VZHLYL DFUJFDFVFEJ, DFICTL 5SL Djf GR ! ( YL ZZ GL DFICTL  
V+YL 5ZL 5F0, CFi P T[VU[V+YL SF. SFI "JFCL SZJFGL ZC[TL G CFi P V5L, VZHL NOTZ[SZJFDFVFEJ]Kp  
H[, FUT VZHNZGL VZHL H[HFCZ DFICTL VIWSFZLG[TANL, SZJFDFVFEJ, Kp TDG[Hf[V5L,  
VZHL TANL, Y. G CFi Tf INGv5 DF TANL, SZJF HFCZ DFICTL VIWSFZL VG[5; FG[, VF10; Z ZFNZ hfGG[  
H6FJJFDFVFEJ]Kp

GRJ: 8 hMGqVFP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, f f  
V5[, B VF10; Z VG[  
SFI '5F, S. HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG[VF, 0%i BL . HGZ s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPPPHF6 TYF  
VD, DF8P  
s#f VF; LP GFD, VF10; Z VG[VFP8LPVF. P; [, 5]TPPPPPHF6 DF8P  
s\$f HFCZ DFICTL VIWSFZL VG[0%i BL . HGZ4 TDFD hfG4 ; PDP5FPPPPPHF6 TYF VD, DF8P  
s5f HFCZ DFICTL VIWSFZL VG[0%i BL . HGZ4 XCZ IJSF; IJEFU sDwl :Y SRZLf ; PDP5FPPPPPHF6 TYF VD, DF8P  
s&f HFCZ DFICTL VIWSFZL VG[; SXG VF10; Z4 Dwl :Y DCSD s. gSJFI ZLf ; PDP5FPPPPPHF6 TYF VD, DF8P  
s\*f HFCZ DFICTL VIWSFZL VG[0%i BL 8fpG %, FGZ4 8fpG %, FIGU IJEFU4 ; PDP5FPPPPPHF6 TYF VD, DF8P  
s(f HFCZ DFICTL VIWSFZL VG[; SXG VF10; Z4 IJHL, g; IJEFU Dwl :Y SRZL4 ; PDP5FPPPPPHF6 TYF VD, DF8P  
s) f HFCZ DFICTL VIWSFZL VG[; SXG VF10; Z4 DCSD IJEFU sDwl :Y DCSDf ; PDP5FPPPPPHF6 TYF VD, DF8P  
s! \_f HFCZ DFICTL VIWSFZL VG[; SXG VF10; Z4 . , SXG VG[; tj; ; IJEFU4 ; PDP5FPPPPPHF6 TYF VD, DF8P  
s! ! f zL I5I JFEF. 9FSfZEF. 58[, 4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDFVFEJ, IGSF, ; AA  
HF6 ; F~P

<p>OLPVDPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; [ZT v #) 5 ___) P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP/~~GPZ\$QZ\_! \$  
TFP Z&v\_5v! \$

VZHNfZ ov zL ; ZJZ Cj; [G GUN

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ4 OLPJLPRFWZL sXCZ IJSF; f sJ]:8 hMGf

OZLI FNGL CSLST ov

IJOFI ov ZFNZ UFZF8 IJ:TFZ ; J[GR ##\*q#4 8LP5LP Z#4 %, FB GR &\$ JF/L HDLG 5Z %, FG  
5F; SZFJJF ID<STNFZ[ZH]SZ, F TDFD OFSI Dg8GL 5DFI6T GS, FGL DFICTL D]f GR  
! YL # AFATP  
; NE"ov V+GL VZHNfZGL TFP&q\_5q! \$ GL ~~SMC/WZ/FAP/~~ GR Z\$QZ\_! \$P

p5ZFST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZ[ TFP\_\*q\_#q! \$ Gf ZFH HFCZ DFICTL  
VIWSFZL J]:8 hfG ; [ZT DCFGUZ5FI, SFG[ VZHL SZJFDF VEFJ, P HGFV VG; WFGDF HFCZ DFICTL VIWSFZL VG[  
0%l ]BL . HGZ J]:8 hfG TZOYL 5+ GRqVFZP8LPVF. P; [ q]:8hfGq! \*554 TFP#! q\_#q! \$ Gf ZFH ; DI DI FNFDf  
DFICTL VF5L D]f GR ! YL Z AFAT[ . g:5\$XG SZL DFICTL D[/JJF 5]:TFJ SZJFDF VEFJ, KP 5ZT] VZHNfZ TZOYL  
. g:5\$XG SZL DFICTL D[/JJF SF. 56 5]f; SZJFDF VEFJ, GYLP tI FZAFN VZHNfZ[TFP#q\_5q! \$ Gf ZFH 5YD  
V5L, SZJFDF VEFJ, P H[ V5L, GR Z\$QZ\_! \$ YL GfWFI, P H[ VU[ HFCZ DFICTL VIWSFZL TZOYL 5+  
GRqVFZ8LVF. ; [ q]:8hfGq Z (\*4 TFP\* q\_5q! \$ YL D]f GR ! YL Z AFAT[ . g:5\$XG SZLG[DFICTL D[/J, G CF[  
5]Go , FUT DFICTL N:TFJHL 5ZFJVF[VU[D]f GR ! DF8[~FP &\$\_qv TYF D]f GR Z DF8[~FP 5\*&qv EZL DFICTL  
D[/JJF H6FJ, P

VFD HFCZ DFICTL VIWSFZL TZOYL VFZP8LPVF. P SFI NFGL HFUJF. DJHA VZHNfZG[ ; DI DI FNFDf  
DFICTL 5ZL 5FOJF 5]:TFJ SZ, KP 5ZT] VZHNfZ[ AG[ 5+f ; NE[ DFICTL D[/JJFG[ 5]f; SZ, GYLP VFYL  
VZHNfZ . rK\$ CF[ TF[HFCZ DFICTL VIWSFZLGF 5]:TFJ VG; FZ DFICTL D[/JL XS[KP

C]SD

VZHNfZGL TFP\_\*q\_#q! \$ GL VZHLYL DFUJFDF VEFJ, L DFICTL AFAT[ VZHNfZ HFCZ DFICTL  
VIWSFZLGF 5]:TFJ VG; FZ GF6fEzL DFICTL D[/JJF :JT+ KP

GRJ]:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V[5[, [B VF]0; Z VG[  
SFI "5F, S . HGZ s5IzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

5]T4

s! f HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ4 OLPJL RFWZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[HGL . HGZzL s5IzD hMGvZFNZfXFCZ IJSF; PPHPHF6 TYF  
VD, DF8P

s#f VF; LP GfD, VF]0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s\$F zL ; ZJZ Cj; [G GUN4 T]MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDF VEFJ, IGSF, ; AA HF6  
; F~P

<p>OLPV DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; [ZT v #) 5 ___) P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GPZ5qZ\_! \$  
TP Z\*v\_5v! \$

VZHNfZ ov zL IJXF, V[; P 5ZDFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%| ]L . HGZ4 H~~PSP~~ RFWZL sXCZ IJSF; f sJ[; 8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov ; PDP5FP GAFJF"GR! &4 8LP5LPGRZ) 4 ZP; J[GR! #\*4 ! #) p5Z AFWSFD SZJFGL  
HDLGDAEFU, F 5FOJF ZHFIRöl 8LPOLPVFPGR) \*\_4 TFP\_) q! Zq! )) \_ YL XCZ IJSF;  
VIWSFZLzL TZOYL DHZ SZJFDA VFJ[, KP H[5SL Au, F 8F. 5GL ; Z:JTL GUZ ; f; FP  
DAID<ST GR \$ (4 \$) JrR[VFJ[, ; f; FP GL DFI, SLGL B[, L HuI F p5Z IAGVIWST  
Au, FGL IJUT Djf GR ! YL ! # GL DFICTL AFATP

; NE"ov V+GL VZHNfZGL TFPZ\*q\_5q! \$ GL ~~SMC/WZ/FAP~~/GR Z5qZ\_! \$P

p5ZFST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZ[; PDP5FP GAFJF"GR ! &4 8LP5LPGR Z) 4 ZP ; J[GR  
! #\*4 ! #) p5Z AFWSFD SZJFGL HDLGDFAEFU, F 5FOJF 8LPOLPVFPGR) \*\_4 ; Z:JTL GUZ ; f; FP Au, F GR \$ (4  
\$) JrR[TYF Au, F GR \*#4 \*\$ VG[\*5 GFAFWSFD AFAT[DHZ %, FG ZHFIRöl N:TFJHF[; UTL SFI "JFCL DFuI FGL  
DFICTL SFI NFSLI VG[5+jI JCFZ IJUJ[AFATGL Djf GR ! YL ! # GL DFICTL DFUTL VZHL SIDxGZ VG[; 1FD  
; tTF VIWSFZL4 DJU, L; ZF BFT[ SZJFDA VFJ[, P H[5+ GR ; h8= hfGqVFZ8LVF. qHFJSq\$) 4 TFP\_\*q\_5q! \$ YL  
0%| ]L . HGZ ZFNZ hfGG[ TANL, SZJFDA VFJ[, P H[GA VG; WFG[ 0%| ]L . HGZ ZFNZ hfG VG[ HFCZ DFICTL  
VIWSFZL TZOYL 5+ GR J[; 8 hfGqVFZP8LPVF. P; [; Pq! #) 4 TFPZ#q\_#q! \$ YL VZHNfZG[ TFP\_Zq\_5q! \$ GAFZH  
. g: 5SXG SZL DFICTL D/JJF IGI T ; DI VJIWDAF5; TEJ SZJFDA VFJ[, KP 5ZT]VZHNfZ TZOYL . g: 5SXG SZL  
DFICTL D/JJFGL T[ ZL NXFJ[, GYLP 5ZT] VZHNfZ[ TFPZ\*q\_5q! \$ GAFZH V5L, VIWSFZL ZFNZ hfGG[ 5YD  
V5L, VZHL SZ[, KP HDAVZHNfZ[V5L, G]SFZ6 ZS0" T5F; 6L 5ZL 5FOL HF6L HF[ DFICTL K5EJJFDA VFJ[, K[  
T[UL ZH]VFT SZ[, KP HFCZ DFICTL VIWSFZLV[ VFZP8LPVF. P V58 GL S, D \*s) f GL HFUJF. VF[ VG; FZ TDH  
VFZP8LPVF. P SFI NFGA VFD]BGL 5FZNXSTF wI FG[ZFBL VZHNfZG[T5F; 6L SZL DFICTL D/JJF H6FJ[, KP HGFYL  
ZS0GL HF6J6L 56 Y. XS[ VG[ VZHNfZ ~A~DA DFICTL D/JJF AFAT[ Vgl Sf. IJJFN pt5gG G YFI P TI  
VFXI YL DFICTL . g: 5SXG SZL D/JJF H6FJ[, KP

JWDA VZHNfZ[ V5L, DA V, U V, U Djf AFAT[S, D \*s&f C9/ DFICTLGL DFU6L SZ[, KP TGF  
; NE[H6FJJFG]S[VZHNfZG[HFCZ DFICTL VIWSFZL TZOYL INGv#\_ DAFSf. 5|TEFJ D/, G CF| TF[VZHNfZ  
VFJL DFU6L SZL XS[KP 5ZT]VZHNfZG[IGI T ; DI VJIWDA DFICTL D/JJF V+[HFCZ DFICTL VIWSFZL TZOYL  
. g: 5SXGG]5; TEJ SZ[, KP H[VFZP8LPVF. P V58 GL S, D \*s) f GL HFUJF. VF[; FY[; ] UT KP VFYL VZHNfZGL  
NFNG[; DY'G D/T]GYLP VZHNfZ >rK\$ CF| TF[HFCZ DFICTL VIWSFZLV[ SZ[, 5; TEJ VG; FZ . g: 5SXG SZL  
DFICTL D/JJF :JT+ KP

CSD

VZHNFZGL TFP\_)q\_ \$q! \$ GL VZHLYL DFUJFDFVFEJ, DFICTL VU[HFCZ DFICTL VIWSFZLV[  
IGIT ; DI VJIWDFASZ, 5:TFJ AFAT[VFI0; SFDSFH NZIDIFG HFCZ DFICTL VIWSFZLG[VFUFTZF; DI D/JL  
. g:5\$XG D/JJF ZHJVF SZL XS[KP VZHNFZGL VFEJL DFU6L YI YL HFCZ DFICTL VIWSFZLV[S, D \*s#f GL  
HFUJF. VG; FZ . g:5\$XG 5Z] 5FOL BA 5ZTL DFICTL AFATGL GS, F] 5ZL 5FOJF 0%l ]L . HGZ HFCZ DFICTL  
VIWSFZLG[H6EJJFDFVFEJ[KP

GRJ: 8 hMGqVFEZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, f f  
V5, ] VFI0; Z VG  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG[0%l ]L . HGZ4 HPSP RFWZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPP HF6  
TYF VD, DF8P

s#f VF; LP GF0, VFI0; Z VG[VFEZP8LPVF. P; [, 5]TPPPPPPHF6 DF8P

s\$f zL IJXF, V; P 5ZDFZ4 T]MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDFVFEJ, IGSE, ; AA  
HF6 ; F~P

<p>OLPV DPHZLJF, F V 5 ,  8 VMOL; Z VG  SFI "5F, S . HGZ</p>		<p>;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G|SMC/WZ/FAP/GRZ&qZ\_! \$  
TP Z\*v\_5v! \$

VZHNZ ov zL 15S, 5|0|, RW 3LJF/F  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |8L . HGZ4 HPSPRFWZL sXCZ IJSF; f sJ|: 8 hMGF

OZLI FNGL CSLST ov

IJOFI ov 8LP5LP ! #4 V|P5LP Z! \$vZ! 54 D|STFGN SF|PCF; F| DFV| G ZF| 5Z CF, DFVH AGFJJFDFV  
VFJ|, OF|BFJF/L ID<ST ; NE|, |FDFVVFJ|, L IJSF; 5ZJFGULGL OF. , VFZP8LPVF. P V|S8  
GL S, Dv\*s#f D|HA OF. , RSF; 6L VG|IGI Dv5 D|HA HF|. TF 5|Z VF5JF AFATP  
; NE"ov V+|GL VZHNZGL TFPZ\*\_q\_5q! \$ GL SMC/WZ/FAP/ GR Z&qZ\_! \$P

p5Z|ST IJOFI VG| ; NE" AFAT| H6FJJFG| S| VZHNZGL TFPZ! q\_5q! \$ GL VZHL HFCZ DFICTL  
VIWSFZL J|:8 hFG ; |ZT DCFGUZ5FI, SFG| VZHL SZJFDFV VFJ|, P 8LP5LP ! #4 V|P5LP Z! \$vZ! 54 D|STFGN  
SF|PCF; F| GL VZHNZ| ZH| SZ|, OF|BFJF/L ID<STGL IJSF; 5ZJFGUL AFAT|GL OF. , VFZP8LPVF. P V|S8GL  
S, Dv\*s#f D|HA OF. , RSF; 6L VG|IGI Dv5 D|HA 5|ZGL DFU6L SZ|, KP

p5Z|ST IJUT|HFCZ DFICTL VIWSFZL TZOYL VZHNZG|5+ GRJ|: 8 hFG q VFZP8LPVF. P; |, P q Z##4  
TFP! #q\_5q! \$ YL ; NZ DFICTL ~FP \$! \_qv GF6\FEZ5F. SZL|DFICTL D|/JJF IGI T ; DI VJIWDFVZHNZG|  
5|:TFJ SZ|, KP 5Z|VZHNZ|; NZC|DFICTL AFAT|GF6\FEZ5F. SZL DFICTL D|/J|, GYLP 5Z|VZHNZ|H6FJ|,  
K|S|T|MFV|OF. , RSF; 6L DFU|, TD KTFVHFCZ DFICTL VIWSFZL EFZF , |vVfp8 %, FGGL GS, VF5JF H6FJ|, K|  
VG|VFD HFCZ DFICTL VIWSFZL|SFI NFGL ; DH G CF| T|JL VZHNZ|V5L, DFVZH|VFT SZ|, KP

VFZP8LPVF. P V|S8GL S, Dv&s! f D|HA VZHNZ|DFICTL DFUJFGL CF| K|VG|VFZP8LPVF. P V|S8GL  
S, Dv\*s#f D|HA DFICTL 5ZL 5F0JFDFVVFJTL CF| KP HFCZ DFICTL VIWSFZLV|S, Dv\* D|HA VZHNZG|IGI T  
; DI VJIWDFVDFICTL 5ZL 5F0JF 5|:TFJ SZ|, KP VZHNZG|VFZP8LPVF. P V|S8GL S, Dv\*s#f VG|\*s&f VU|  
SF|. DFU6L SZJFG|VIWSFZ SFI NF|VF5TF|GYLP JWDFVZHNZ|DFU|F D|HAGL DFICTLGL DFU6L AFAT|VFZP8LP  
VF. PV|S8 GL S, D ZF VG|ZJ D|HA NOTZL p5, aW DFICTL 5ZL 5F0JFGL HF|UJF. KP JWDFVDFICTL pt5qG SZL|G|  
5ZL 5F0JFGL SFI NFDFV|SF|. HF|UJF. GYLP JWDFVZHNZ|>q: 5|SXGGL DFU6L AFAT|56 H6FJJFG|S|DFICTLGL  
:J~5 HFCZ DFICTL VIWSFZLV|GSSL SZL DFICTL S. ZLT|5ZL 5F0JL T|S, Dv\*s) f GL HF|UJF. VF|; FY|; |; UT  
ZLT|IJRFZL|IG6" SZJFGL ; tTF HFCZ DFICTL VIWSFZL|KP V|B, |S|>q: 5|SXG VF5J|S|GSXFGL DFICTL D/X|S|  
IJUT|FGL DFICTL K|T|D|HA HFCZ DFICTL VIWSFZL|IG6" GSSL SZJFGL VFZP8LPVF. P SFI NFGL HF|UJF. KP ; DI  
DI NFDFVDFICTL VF5TL JBT|S, Dv\*s#f VG|; DI DI FNF AFN S, Dv\*s&f C|9/ DFICTL VF5JFGL HF|UJF. KP  
JWDFVHFCZ DFICTL VIWSFZLV|IGI T ; DI VJIWDFV|SZ| f 5|:TFJ VG|; FZ S, Dv\*s#f C|9/ DFICTL GF6\FEZL  
D|/JJF 5|:TFJ SZ|, KP TD KTFVZHNZ|T|JL DFICTL GF6\FEZL D|/J|, GYL VG|V5L, DFV, Dv\*s&f C|9/ IJGF  
D|IGL DFU6L SFI NF ; FY|; |; UT GYLP JWDFVZHNZ|DFICTL D|/J|F JUZ , |vVfp8 %, FGGL GS, VF5JF  
H6FJ|, K|TF|T|AFAT|VZHNZ . rK|S CF| TF|T|DFICTL D|/JL XS|KP Vgl YF T|I; JFI GL Vgl DFICTL GF6\FEZLGL  
D|/JL XS|KP

C]SD

VZHNFZGL TFPZ! q\_ \$q! \$ GL VZHLYL DFUJFDF\VFJ[, DFICTL HF[IGSF, VY[VZHNFZG[V; VFQF  
ZCJF 5FD[, CF[ VFZP8LPVF. PV\$8GL S, Dv\*s) f C9/ TMFGL VZHL VU[5]G0 IJRFZ6F SZL VZHNFZG[V; VFQF  
G ZC[TG]wI FG ZFBL I fμI IG6" , JF HFCZ DFICTL VIWSFZLG[H6EJJFDF\VFJ[KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, f f  
V5[, β VF[0; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

5|T4

s! f HFCZ DFICTL VIWSFZL VG[0%l βL . HGZ4 HPSp RFWZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPHF6  
TYF VD, DF8P

s#f VF; LP GF0, VF[0; Z VG[VFZP8LPVF. P; [, 5|TPPPPPPHF6 DF8P

s\$f zL I5S, 5p], RN 3LJF/F4 TMIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDF\VFJ[, IGSF, ; AA  
HF6 ; F~P

<p>OLPV DPHZLJF, F V 5 ,  8 VMOL; Z VG  SFI "5F, S . HGZ</p>		<p>;  ZT DCFGUZ5FI, SF 5IüD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 g   ZFN Z ZM04;  ZT v #)5 ___)P OMG0_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GPZ(qZ\_! \$  
TP Z(v\_5v! \$

VZHNfZ ov zL I5S, 5|0k, RN 3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4 HPSPRF|WZL sXCZ IJSF; f sJ|: 8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov ZFNZ hfG wJZF TFP\_#q\_#q! \$ GFZF|H 8LP5LP #! 4 VDP5LP ! \*qV|DF|DSFG GR! 4 SF|L  
JF04 ; |, 5B|, 55GL AFH|DF| VOFH6JF/L ID<ST 5Z S|TG 58|, sV|PL ; L8LP . HGZF  
wJZF GF|BL; 5F9JJFDF|VFJ|, T|GL GS, VG|T|GF|; NE'DF|; |DP5FP wJZF SZJFDF|  
VFJ|, TDFD SFI "JFCLGL IJUTGL DFICTL D|j|F GR ! YL Z AFATP

; NE"ov V+GL VZHNfZGL TFPZ(q\_5q! \$ GL SMC/WZ/FAP/ GR Z(qZ\_! \$P

p5ZF|ST IJOFI VG| ; NE" AFAT| VZHNfZ| TFPZ! q\_5q! \$ GL VZHLYL DFUJFDF| VFJ|, DFICTL  
VZHNfZG|5+ GRJ|: 8 hfGqVFZP8LPVF. P; |, PqZZ\_4 TFP! Zq\_5q! \$ YL IGI T ; DI VJIWDF|D|j|F GR ! AFAT|GF6FA  
EZL VYJF D|j|F GR Z AFAT|>q: 5S|XG SZL DFICTL D|/JJFG|5|:TFJ HFCZ DFICTL VIWSFZL TZOYL SZJFDF|VFJ|,  
K| H|VU|VZHNfZ|TFPZ(q\_5q! \$ GFZF|H 5YD V5L, SZL HJFA VF5|, GYL T|YL DFICTL O| DF|D|/JJF ZH|VFT  
SZ|, K| 5ZT| VZHNfZG| HFCZ DFICTL VIWSFZL| IGI T ; DI VJIWDF| 5|:TFJ SZ|, CF| T|YL DFICTL O| DF|  
VF5JFG|5| G p5l:YT YTH|GYLP JWDF|VZHNfZGL DFICTL G D?I FGL ZH|VFT VU|VZHNfZG|T|GL 5|G0 GS, 5ZL  
5F0JFGL ZCP

C|SD

VZHNfZGL TFPZ! q\_5q! \$ GL VZHLYL DFUJFDF|VFJ|, DFICTL AFAT|HFCZ DFICTL VIWSFZL  
TZOYL IGI T ; DI VJIWDF|5|:TFJ SZJFDF|VFJ|, K| H|YL VZHNfZG|T|GL 5|G0 GS, 5ZL 5F0JF 0%| |BL . HGZ VG|  
HFCZ DFICTL VIWSFZL|G|H6FJJFDF|VFJ| K| VZHNfZ . rK|S CF| T|HFCZ DFICTL VIWSFZL|G| 5|:TFJ VG| FZ  
DFICTL D|/JJF :JT+ K|

GRJ|: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP V|DP HZLJF, F f  
V|5|, |8 VF|0; Z VG|  
SFI "5F, S . HGZ s5IzD hfGvZFN|Zf  
; |ZT DCFGUZ5FI, SFP

5|T4

s! f HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4 HPS| RF|WZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNNG|X HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|H|GL . HGZzL s5IzD hMGvZFN|ZfXCZ IJSF; P|PP| HF6  
TYF VD, DF8P  
s#f VF; LP GF|D, VF|0; Z VG|VFZP8LPVF. P; |, 5|T|PPPPPHF6 DF8P  
s\$F zL I5S, 5|0k, RN 3LJF/4 T|VMGL V5L, VZHL VU|p5ZGL IJUT|GF|C|SD wJZF SZJFDF|VFJ|, IGSF, ; AA  
HF6 ; F~P



OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ		; ]ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gI ]ZFNZ ZM04; ]ZT v #)5 ___)P OIMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP#! qZ\_! \$  
 TFP Z(v\_5v! \$

VZHNfZ ov zL I5S, 5]k, RN 3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VF[, 0%l ]BL . HGZ sXCZ IJSF; f sJ]:8 hMGf

OZLI FNGL CSLST ov

IJOFI ov UDF V\$8vZ\_! ! C9/ . d5\$8GL TDFD OF. , GL VZHLGL IJUT4 OF. , 5F; SZL CFI

TF[TGL IJUT TDH H[NOTZ[SZJFDFVVFJL CFI T[TDFD IJUT ; LPOLP DAVVF5JF VUJGL

DFICTL D]f GR ! YL Z AFATP

; NE"ov V+GL VZHNfZGL TFPZ(q\_5q! \$ GL ~~SMC/WZ/FAP~~/ GR #! qZ\_! \$P

p5Zf\$T IJOFI VG[; NE"AFAT[VZHNfZ]TFPZ! q\_\$q! \$ GL VZHLYL . d5\$8GL DFUJFDFVVFJ[, DFICTL  
 AFAT[ 0%l ]BL . HGZ HFCZ DFICTL VIWSFZL ZFNZ hfG TZOYL 5+ GRJ]:8 hfG q VFZP8LPVF. P; ] P q \$\$\*4  
 TFPZ\_q\_&q! \$ YL VZHNfZG[DFICTL 5ZL 5FOJFDFVVFJ[, KP H[DF DFU F DJHAGL DFICTLGF Z\$0" ; fD8 SF5LDF  
 p5, aW G CFJFG]H6FJ[, K[VG[VZHNfZ]DFICTL ; LPOLPDAVVF5JFGL DFU6L SZ[, KP VFZP8LP VF. PV\$8 GL S, D  
 ZF VG[ZJ DJHA HFCZ DFICTL VIWSFZL 5F; ]GL NOTZL p5, aW DFICTL 5ZL 5FOJFGL HFUJF. KP VFD HFCZ  
 DFICTL VIWSFZL TZOYL VZHNfZG[NOTZL p5, aW CSLST, 1FL DFICTL 5ZL 5FOJFDFVVFJ[, KP

VZHNfZ] TFPZ(q\_5q! \$ GA ZFH SZ[, V5L, DA HJFA VF5[, GYL VG[ VFZP8LPVF. P V\$8GL  
 S, Dv\*s&f DJHA IJGF DkI [DFU6L SZ[, KP VZHNfZG[HFCZ DFICTL VIWSFZL TZOYL DFICTL ; LOLDFAV]B, [S]  
 OLHL8, :J~5DA G CFJFGL IJUTF[ VF5[, KP JW]DA VZHNfZ[ DFU F DJHAGL DFICTLGL DFU6L AFAT[ VFZP8LP  
 VF. PV\$8 GL S, D ZF VG[ZJ DJHA NOTZL p5, aW DFICTL 5ZL 5FOJFGL HFUJF. KP JW]DA DFICTL pt5gG SZLIG  
 5ZL 5FOJFGL SFI NFDASF. HFUJF. GYLP

C]SD

VZHNfZGL TFPZ! q\_\$q! \$ GL VZHLYL DFUJFDFVVFJ[, DFICTL AFAT[DFICTL ; LOLDFAp5, aW G  
 CFI VgI ZLT[D]/JJF VY', FUT HFCZ DFICTL VIWSFZLGF; '5S"SZL SFI NFGL HFUJF. VG] FZ IGI T OL EZL  
 D]/JJF :JT+ KP TDH VZHNfZ HF[HFCZ DFICTL VIWSFZLGF; '5S"SZL TF[TG] I f]u ; CSFZ VF5JF VFYL 0%l ]BL  
 . HGZ VG[HFCZ DFICTL VIWSFZLGF]H6FJJFDFVVFJ]KP

GRJ]:8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, f f  
 V[5[, ]B VF]O; Z VG[  
 SFI '5F, S . HGZ s5IzD hfGvZFNZf  
 ; ]ZT DCFGUZ5FI, SFP

5]T4  
 s! f HFCZ DFICTL VIWSFZL VG[VF[, 0%l ]BL . HGZ s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZF DNNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[HJGL . HGZzL s5IzD hMGvZFNZfXFCZ IJSF; PPPPPPHF6 TYF  
 VD, DF8P  
 s#f VF; LP GF0, VF]O; Z VG[VFZP8LPVF. P; ] 5]TPPPPPPHF6 DF8P  
 s\$F zL I5S, 5]k, RN 3LJF/F4 T]MGL V5L, VZHL VU]p5ZGL IJUTGACSD wJFZF SZJFDFVVFJ[, IGSF, ; AA HF6  
 ; F~P

<p>OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; ]ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; ]ZT v #) 5 ___)P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP# \$qZ\_! \$  
TP Z)v\_5v! \$

VZHNfZ ov zL ; ]Z]XEF. KUGEF. RF]B, LI F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] ]BL . HGZ4 HPS] RF]WZL sHDLG ID<ST IJEFUF4 J]: 8 hMG  
OZLI FNGL CSLST ov

IJOFI ov TFP! &q\_)q! # GAF]H zLHL VFS] D]Da; "V]: f]; LV]XG4 VFGN DC, ZF]4 VOFH64 ; ]ZT  
EFZF 8LP5LP ZF] 5Z , UFJJFDF]V]FJ], HFCZFT CF]0u; GL DFICTL D]j]F GR ! YL Z AFATP

; NE"ov V+GL VZHNfZGL TFPZ)q\_5q! \$ GL SMC/WZ/FAP/ GR # \$qZ\_! \$P

p5ZF]ST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFPZ (q\_5q! \$ GL VZHLYL zLHL VFS] D]Da; "V]: f]; LV]XG4 VFGN DC, ZF]4 VOFH6 p5Z , UFJJFDF]V]FJ], HFCZFT CF]0u; AFAT[X] SFI "JFCL Y. CF] T]T[VU[GL D]j]F GR ! YL Z DFICTL DFUJFDF]V]FJ], P H]G]V]G]; WFG[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR J]: 8 hFGqV]FZP8LP VF. P ; ], PqZ&Z4 TFPZ! q\_5q! \$ YL VZHNfZG[IGI T ; DI VJIWDF]DFICTL 5ZL 5FOJFDF]V]FJ], KP

VZHNfZ[p5ZF]ST AFAT[INGv#\_ DF]SF. IG6" YI], G CF]JFG]SFZ6 H6FJL TFPZ)q\_5q! \$ GAF]H V5L, VIWSFZL ZFNZ hFGG[5]YD V5L, VZHL SZ], KP 5ZT]HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI VJIWDF] DFICTL 5ZL 5FO], CF] P T]DGF V5L, G] SFZ6G[ SF. ; DY'G D/T] GYLP VFYL VZHNfZGL V5L, SFI NFSLI HF]UJF. VF]; FD[8SL XS[GICP T]D KTF]SFI NFSLI 5FZNX'STFG[w] FG[ZFBL VZHNfZG[V]F5], L DFICTLGL 5]Go GS, 5ZL 5FOJF H6FJLI P

C]SD

VZHNfZGL TFPZ \$q\_5q! \$ GL VZHLYL DFUJFDF]V]FJ], DFICTL VZHNfZG[5ZL 5FO], CF] T]D KTF]SFI NFSLI 5FZNX'STFG[w] FG[ZFBL VZHNfZG[V]F5], L DFICTLGL 5]Go GS, INGv\* DF]5ZL 5FOJF 0%] ]BL . HGZ HFCZ DFICTL VIWSFZL G[H6FJJFDF]V]FJ][KP

GRJ]: 8 hMGqV]FZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP V]DP HZLJF, F f  
V[5[, ]B V]F]0; Z VG[  
SFI "5F, S . HGZ s5IzD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SFP

GS, ZJFGF4

s! f HFCZ DFICTL VIWSFZL VG[0%] ]BL . HGZ4 HPS] RF]WZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZf HDLG ID<ST  
IJEFU]PPPPPPPHF6 TYF VD, DF8P  
s#f VF; LP GF]D, V]F]0; Z VG[V]FZP8LPVF. P; ], 5]T]PPPPPPPHF6 DF8P  
s\$f zL ; ]Z]XEF. KUGEF. RF]B, LI F sZF08] SFI TSFZL4 ; DFHJFNL 5F8L4 U]HZFT 5]N]X DCFDwLf4 T]VMGL  
V5L, VZHL VU[p5ZGL IJUT]GAC]SD w]JZF SZJFDF]V]FJ], IGSF, ; AA HF6 ; F-P

OLPV|DPHZLJF, F  
V[5[, ]B VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5lÜD hMG sZFN]Zf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ]ZFN]Z ZM04; ]T v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP#5qZ\_! \$  
TP Z)v\_5v! \$

VZHNZ ov zL 15S, 5]0k, RW 3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] ]BL . HGZ4 ; LPALP J; FJF sXCZ IJSF; f sJ]: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov 8LP5LP ! \_4 VDP5LP ! #5 YL ! \$5 GL JrR[V<5X GUZ4 ; LPV[GPHLP 5d5GL AFH]DF  
; FUZ ZFvCfp; JF/L OFBJF/L ID<STGL DFICTL D]f GR ! YL ! \* AFATP

; NE"ov V+GL VZHNZGL TFPZ)q\_5q! \$ GL ~~SMC/WZ/FAP~~/ GR #5qZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[H6FJJFG]S[ VZHNZGL TFP! #q\_! q! \$ GL VZHLDFA VZHNZ[ 8LP5LP  
! \_4 5F, VDP5LP ! #5 YL ! \$5 GL JrR[OFBJF/L ID<ST AFAT[VZHNZGF ; NZ 5+S D]f GR ! YL ! \* AFATGL  
DFICTL DFUJFDF VFJ, P H[ VU[ HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ]: 8 hfG q VFZP8LPVF. P; ] P q ! \$ () 4  
TFP\_ \$q\_Zq! \$ YL IGI T ; DI VJIWDF VZHNZG[ DFUJFDF VFJ, ID<STGL VF/B VU[ : 508TF YTL G CF[  
IJUTJFZ : 508TF 5]JS DFICTL DFU[ YL V+YL DFICTL 5ZL 5FOJFGL T] FZL NXFJ, L KP

p5ZFST VG; WFG[ VZHNZ[ TDGF TFP! ! q\_Zq! \$ GF 5+YL : Y/ . g: 5SXG SZJFG[ AN, [ AFWSFDGL  
IJUT DFUJFDF VFJ, K[TJ]H6FJL 8LP5LP ! \_4 5F, VDP5LP ! \$ \_4 ! \$Z4 ! \$#4 5Z pNFCZ6 ~5[AFWSFD RF, ]  
CF[ TJ] H6FJ, KP VFD VZHNZ[ VUfp VDP5LP ! #5 YL ! \$5 JrR[ GL Hul F NXFJ, P H[ 5SL TDGF  
TFP! ! q\_Zq! \$ GF 5+DA VDP5LP ! \$ \_4 ! \$Z4 ! \$# GL : 508TF SZ, KP VFYL : 508TF AFN HFCZ DFICTL VIWSFZL  
TZOYL 5+ GRJ]: 8 hfGq VFZP8LPVF. P; ] Pq! &#\_4 TFP\_&q\_#q! \$ YL VZHNZG[ ; NZ ID<ST VU[ AFWSFD RF, ]  
CFJFGF Z\$0"p5Z 5ZFJF p5, aW GYL 5ZT]Z\$0"p5ZGF , ]Vfp8 %, FGGL GS, ~FP ! (\_\_\_qv EZL D]/JJF H6FJ,  
KP VFYL VZHNZ HF[TGF AFWSFD AFAT[IGI DFGL HF6SFZL D]/JJF DFUTF CF[ TF]HFCZ DFICTL VIWSFZLV[SZ,  
5]: TFJ VG; FZ GF6AEZ5F. SZL DFICTL D]/JJFGL ZCP

H[VU[ VZHNZ[ TFPZ)q\_5q! \$ GFZF V5L, VZHL SZL DFICTL VFH ING ; ]ML VF5JFDF VFJ, GYL  
VG[0] DAFDFICTL VF5JFGL ZH]MFT SZ, KP VFZP8LPVF. P SFI NFGL S, Dv&sZf DJHA V: 508 DFICTL VU[ HFCZ  
DFICTL VIWSFZLGf; '5S"SZJF H~ZL CF[ T]F IS: ; FDF; '5S"SZL DFICTL D]/JJFGL ZC[K[TJ]L DFICTL : 508TF SI ]L  
5ZL 5FOJFGL ZCP H[HFCZ DFICTL VIWSFZLV[VZHNZG[DFICTL AFAT[IGI T ; DI VJIWDF 5+ 5F9J, KP VFYL  
; NZ DFICTL V: 508TF SFZ6[IJ, AYL D/, K[VG[IJ, AGF; DI V[5+ jI JCFZGF; DI U6FT[CF] P TGL U6TZL  
DFICTLGF ; DI DA U6FTL GYLP VFYL VZHNZ[ HFCZ DFICTL VIWSFZLV[S, Dv\*s#fS wI FG[ , . SZ, 5]: TFJG[  
; DI DI FNDFH HFTF 5YD N#08 ZLT[ AFAT[ 5]: TFJ ; DI DI FNDFH CF] P VZHNZ . rK\$ CF[ TF] T]F GF6A EZL  
DFICTL D]/JL XS[KP

CSD

VZHNFZGL TFP! #q\_! q! \$ GL VZHLYL DFUJFDVVEJ, DFICTL AFAT[VZHNFZ[SZ] : 508TF AFN  
HFCZ DFICTL VIWSFZLV[SZ] 5:TEJ VG; FZ VZHNFZ . rK\$ CF| T[GF6VEZ5F. SZL DFICTL D/JJF :JT+ KP

GRJ: 8 hMGqVFP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, f f  
V5, B VF|O; Z VG|  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

5|T4

s! f HFCZ DFICTL VIWSFZL VG[0%| BL . HGZ4 ; LPALPJ; FJF s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPPP  
HF6 TYF VD, DF8P

s#f VF; LP GF|, VF|O; Z VG[VFP8LPVF. P; [, 5|TPPPPPPHF6 DF8P

s\$f zL I5S, 5P|, RN 3LJF/F4 TMIGL V5L, VZHL VU[p5ZGL IJUTGFCSD wJFZF SZJFDVVEJ, IGSF, ; AA  
HF6 ; F~P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ] ZFN[Z ZM04; [ZT v #) 5 \_\_\_)P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP#&qZ\_! \$  
TFP Z)v\_5v! \$

VZHNfZ ov zL 15S, 5[0k, RW 3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] [BL . HGZ4 H[PSP RF[WZL sXCZ IJSF; f VG[ UJDF: TF  
. g: 5[8Z4 ALPSP, F5; LJF/F VG[ji J; FI JZF VIWSFZL4 VFZPHPSFI :Y sJ]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov V[, vZ\_ VG[Z! ISQ6 SF[5, [F4 VOFH64 ; ZNFZ SF[5, [FGL ; FD[JF/L ID<STDFV  
UJDF: TFWFZFG[, FI ; g; 4 5F[DXG, 8[F S[Vgl SF. 56 , FI ; g; , [F DF8[VF5JFDFV  
VFJ[, TDFD 5[5ZGL GS, GL DFICTL D[j]F GR ! YL \$ AFATP

; NE"ov V+GL VZHNfZGL TFPZ)q\_5q! \$ GL SMC/WZ/FAP/ GR #&qZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[ H6FJJFG]S[ VZHNfZGL TFPZ\*q\_5q! \$ GL VZHLYL ISQ6 SF[5, [F4  
VOFH64 UJHZFT U[ ; S", 4 ; ZNFZ SF[5, [FGL ; FD[V[, vZ\_ VG[Z! GL ID<ST AFAT[ UJDF: TFWFZFG[, FI ; g; 4  
5F[DXG, 8[F S[Vgl SF. 56 , FI ; g; VU[D]F GR ! YL # GL DFICTL DFUTL VZHL TYF D[j]F GR \$ DAVZHNfZGL  
VZHLGL SF[5L AFAT[+FICT jI ISTG[G VF5JF VU[ZH]MFT SZ[, KP H[VU[D]F GR \$ VU[V+Yl 5+ GR J]: 8 hfGq  
VFZP8LP VF. P ; [ Pq! (#4 TFP\_5q\_5q! \$ YL HFCZ DFICTL VIWSFZL VG[ TDFD hfG4 HFCZ DFICTL VIWSFZL VG[  
XCZ IJSF; IJEFU sDwl :Y SRZLF4 HFCZ DFICTL VIWSFZL VG[ Dwl :Y DCSD s. gSJFI ZLF4 HFCZ DFICTL  
VIWSFZL VG[ 8fpG %, FIGU IJEFU4 HFCZ DFICTL VIWSFZL VG[ IJHL, g; IJEFU Dwl :Y SRZL4 HFCZ DFICTL  
VIWSFZL VG[ Dwl :Y DCSD IJEFU4 HFCZ DFICTL VIWSFZL VG[ . , [XG VG[ ; [j; ; IJEFU G[ IGI T ; DI  
VJIWDA TANL, SZJFDF VFJ[, P T[D]H V+GFV IJEFU TZOYL VZHNfZG[D]F GR ! YL \$ GL DFICTL 5+ GR J]: 8  
hfGq VFZP8LP VF. P ; [ PqZ! )4 TFP! Zq\_5q! \$ VG[5+ GR J]: 8 hfGq VFZP8LP VF. P ; [ PqZ\$ \_4 TFP! \*q\_5q! \$ YL  
IGI T ; DI VJIWDA DFICTL VZHNfZG[5ZL 5F0JFDFV VFJ[, KP

VZHNfZ[TFPZ)q\_5q! \$ GRAZFH HJFA VWZF[D/[, T[ ]H6FJL 5YD V5L, SZ[, P D]F GR ! VG[#  
DAVFSFZ6L BFTF TZOYL HJFA VF5JFDFV VFJ[, GYLP VFYL T[DFICTL S, D \*s&f C9/ IJGF Dki [D/JFGL ZH]MFT  
SZ[, KP H[VU[ VZHNfZG[ V5L, NZdl FG VFZP8LPVF. PsJ]: 8 hfGfq\$! \$4 TFP! (q\_&q! \$ YL VFSFZ6L VU[GL  
DFICTL 5FGF GU ! \$ 5f8L" :8B; GL GS, f[5ZL 5F0JFDFV VFJ[, KP VFD HFCZ DFICTL VIWSFZL TZOYL VZHNfZG[  
D]F GR ! YL \$ GL DFICTL 5ZL 5F0[, CF[ ] P V5L, VZHLGF[IGSF, YI[, CF[ ] Vgl SF. CSD SZJFGF[ZC[TF]GYLP

CSD

VZHNFZGL TFPZ (q\_ \$q! \$ GL VZHLYL DFUJFDF\VFJ|, DFICTL VZHNFZG|HFCZ DFICTL VIWSFZL  
TZOYL 5ZL 5F0|, CF| P V+[V5L, VZHLGF|IGSF, YI|, CF| JW|SF|, SFI "JFCL SZJFGL ZC[TL GYLP

GRJ|: 8 hMGq\VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s 0LP VDP HZLJF, F f  
V5|, B VF|0; Z VG|  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG[0%| B| . HGZ4 HPSP RFWZL sXCZ IJSF; f VG[U]DF: TF . g: 5S8Z4  
ALPSP, F5; LJF/F VG[j] J; FI JZF VIWSFZL4 VFZPHPSFI : Y s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPPPHF6  
TYF VD, DF8P  
s#f VF; LP GF0, VF|0; Z VG[VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\$f zL I5S, 5P|, RN 3LJF/F4 T|VINGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZF SZJFDF\VFJ|, IGSF, ; AA  
HF6 ; F~P

<p>OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; ]T DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; ]T v #) 5 ___)P OMGo_Z&amp;! vZ*( &amp;! (! v(Zv(#</p>
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V5L, VZHL G~~SMC~~/WZ/FAP/GP#(qZ\_! \$  
TPP\_Zv\_&v! \$

VZHNfZ ov zL ; ]Z]XEF. KUGEF. RF]B, LI F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VF[, 0%] ]BL . HGZ sXCZ IJSF; f sJ]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov TPP! \*q\_! q! \$ GAZFH VZHNfZ EFZF VF5GL SRZLDFVfJ[, VZHL AFAT S. S.  
SFI "JFCL SZJFDFVfJ[, T]GL DFICTL VF5JF AFATP

; NE"ov V+]GL VZHNfZGL TPP\_Zq\_&q! \$ GL SMC/WZ/FAP/ GR # (qZ\_! \$P

p5ZF]ST IJQFI VG[; NE" AFAT[ H6FJJFG]S[ VZHNfZzL ; ]Z]XEF. KUGEF. RF]B, LI F sU]HZFT  
5N]X DCFD+LF ZF08EI SF]TSEZL ; DFHJFNL 5F8L'GA, ]Z 5D p5Z ZFHI 5F, zL sU]HZFTf ZFHI E]G4 UFWL GUZG[  
; AF]WLG[ TPP! \*q\_! q! \$ GAZFH ; FNL VZHL SZLG[ T]GL ; FY[ H]NFVH]NF]gl ]h 5]ZFGA S8LUGA ; DFRFZGA SFU/  
IAOF6 SZL SZ[, L VZHLGL GS, D]bI D+LzL sU]HZFT ; ZSFZf4 D+LzL DC[ ] , 4 VAG 0] , f]5D]j8 V]j0 VAG  
Cfp; LU 0L5F8D]j8 ; RLJF, I BFT[UZSFI N[ Z AFWSFD VG[. d5]S8 0LGL VZHLVf[AFAT[ ]SZ[, P

p5ZF]ST IJUT[ VZHNfZ[ TPP! \*q\_! \$q! \$ GAZFH D]bI D+LzL U]HZFT ; ZSFZG[ ; AF]WL TDGL  
TPP! \*q\_! q! \$ GL VZHL AFAT[S. S. SFI "JFCL Y. T[AFAT[DFICTL DFUTL D]f GR ! YL # GL VZHL SZ[, K]P H[  
D]bI D+LzLGFABF; 0ZH 5ZGFVIWSFZL TZOYL 5+ GRD]DSqVfZ8LVF. q! \*\$#! 4 TPP! (q\_! \$q! \$ YL HFCZ DFICTL  
VIWSFZL VG[d]P SIDXGZzL TYF HFCZ DFICTL VIWSFZL VG[p5 ; IRJzL XCZ IJSF; VG[XCZL IGDf'6 IJEFU  
UFWL GUZ TYF HFCZ DFICTL VIWSFZL VG[p5 ; IRJzL4 DC[ ] , IJEFUG[ TANL, SZJFDFVfJ[, P H[ ; ]PDP5FGA  
5]YDz]6L S, FS"Dwl :Y SRZLGA5+ GR; lq#&\*4 TPP\_)q\_5q! \$ YL HFCZ DFICTL VIWSFZL VG[0%] ]BL . HGZ ZFNZ  
hfGG[ TANL, SZJFDFVfJ[, P H]Gf VG[; WFG[V+Y]L 5+ GR J]: 8 hfGqVfZP8LPVF. P; ], Pq#5Z4 TPP\_\*q\_&q! \$ YL  
, FUT NOTZG]. g: 5]SXG SZL DFICTL D/]JF H6FJ[, K]P 5ZT] VZHNfZ TZOYL SF[ . g: 5]SXG D/]JFDFVfJ[,  
GYLP

VZHNfZ[ TPP! q\_5q! \$ GAZFH D]bI D+LzL sU]HZFT ; ZSFZF UFWL GUZG[ ; AF]WTL 5]YD V5L,  
SZJFDFVfJ[, P H[D]bI D+LzLGFABF; 0ZH 5ZGFVIWSFZL TZOYL 5+ GRD]DSqVfZ8LVF. q! \*\$#! 4 TPP! (q\_! \$q! \$  
YL V5L, SLI ; tTFIWSFZL VG[d]P SIDXGZzL4 V5L, SLI ; tTFIWSFZL VG[GFI A ; IRJzL XCZ IJSF; VG[XCZL  
UCIGDF'6 IJEFU4 ; IRJF, I UFWL GUZ T]PH V5L, SLI ; tTFIWSFZL VG[GFI A ; IRJzL DC[ ] , IJEFU4 ; IRJF, I  
UFWL GUZG[ V5L, TANL, SZJFDFVfJ[, K]PH[ HFCZ DFICTL VIWSFZL VG[ 5]YDz]6L S, FS" VfZP8LPVF. P; ],  
TZOYL 5+ GRVfZ8LVF. ; ], q\* \*4 TPPZ)q\_5q! \$ YL TDFD hfG VG[Dwl :Y XCZ IJSF; IJEFUG[V5L, TANL,  
SZJFDFVfJ[, K]P

VZHNfZ[ TPPZ&q\_&q! \$ GAZFH ZFHI DFICTL VFI F]UDFALHL V5L, SZ[, K]P H]Gf VG[; WFG[ ZFHI  
DFICTL VFI F]U TZOYL V5L, GRVv\$) ((vZ\_! \$4 TPP\_! q\_\*q! \$ YL ZFHI DFICTL VFI F]UYL VfZP8LPVF. P  
SFI NFGL S, D ! )s&f C]P/ VFI F]UGfC]SD D?I FGFINGv#\_DFVZHNfZG[; FE/]FGL TS VF5L 5]YD V5L, VU[  
IG6" SZJF H6FJ[, K]P H[ VU[ VZHNfZG[ V+Y]L V5L, VIWSFZL TZOYL 5+ GRVfZP8LPVF. P; ], q(Z&4

TFPZ&q\_(q! \$ GA5+YL TP\_Zq\_)q! \$ GAZFH A5FZ[! Z0#\_ S, FS[; GJ6L D\$ZZ SZJFDFVVFJ, P HDAVZHNZFZ ; GJ6LDAp5l:YT YI|, GYLP HIFZ[ HFCZ DFICTL VIWSFZL p5l:YT ZCL VpL ZHJFT SZ|, K[S[ VZHNFGZL DFICTL DFUTL VZHL ; FY[TFP! \*q\_! q! \$ GL VZHLGL GS, V+[D/JF 5FD|, GYLP HDAFHNFVHNFgI h 5BZF! YL ! Z GAIAOF6 CFJFG)H6FJ|, KP 5ZT]TJFAIAOF6FGA 5BZ S8LUGL SF. GS, F[ VZHL ; FY[V+[D/|, GYLP HGFA SFZ6[VZHNFGZ[Rf\$S; DFICTL 5ZL 5FOL XSFI GICP T[DF8[V+Yl VFZP8LPVF. P SFI NFGL S, D \*s) f D]HA gI h 5BZFGAS8LUGAVFWFZ[DFU|, L DFICTLGL T5F; 6L SZL DFICTL D/JJF H6FJ|, P TD KTFVZHNZFZ>g: 5\$XG SZL DFICTL D/J|, GYLP

VZHNZFZ[; PDP5PGL DFICTL DFUJFDFAZFHI 5F, VG[ DpI D+lzlG[pjXlG[VFZP8LPVF. P C9/ H[ VZHLVf[SZ|, K[T[VFZP8LPVF. P SFI NF ; FY[; ] UT GYLP VZHNZFZ[H[T[; tTFD0/ 5F; [DFICTL DFUJFGL CF| T[ ; tTFD0/GA HFCZ DFICTL VIWSFZLG[ VZHL SZJFGL CF| KP TYF TjL DFICTL INGv#\_ DAFD/[S[G D/[TGL GFZFHUL VU[S, D ! )s! f C9/ , FUT ; tTFD0/GA HFCZ DFICTL VIWSFZLYL p5, F VIWSFZLG[ V5L, VZHL SZJFGL ZC[KP JWDFVZHNZFZ TFPZ! q\_5q! \$ GL 5YD V5L, VZHLGF[IGSF, INGv\$5 DAFSZJFG[ZC[KP T[5ZL YI FAFN VZHNZFZ S, D ! )s#f D]HA ALHL V5L, GF[CSNFZ AG[KP TD KTFVZHNZFZ[ZFHI DFICTL VFI FUDAF5YD V5L, GL D|; T NZIDI FG ZFHI DFICTL VFI FUDFALHL V5L, SZ|, KP VFD KTFHFCZ DFICTL VIWSFZL TZOYL gI h 5BZGA S8LUGAVFWFZ[ , FUT ID<STG). g: 5\$XG SZL DFICTL 5ZL 5F0JF HFCZ DFICTL VIWSFZLV[ 5ZL T| FZL NXFJ|, KP TD KTFVZHNZFZ >g: 5\$XG SZJF VFJ|, GYLP V+[>g: 5\$XG D/J|, GYLP TDH ZFHI DFICTLGA VFNXF[ VG; FZ VZHNFGZ[ALHL V5L, AFAT[; FE/JFGL TS VF5JF KTF; GJ6LDAp5l:YT YI|, GYLP VFD VZHNFGZ[DFICTL AFAT[VFZP8LPVF. P SFI NFGL HFUJF. VF[VG; FZ NZ\$ TASS[TS VF5JFDFVVFJ|, KP TD KTFVZHNZFZ DFICTL D/JJF SF. 5| F; SZ|, GYLP VFD ; DU| CSLST HFTFVZHNZFZ . rK\$ CF| T| gI h 5BZGA S8LUGAVFWFZ[ , FUT NOTZGF. g: 5\$XG SZL XS[KP

### C]SD

VZHNFGZL TFP! \*q\_ \$q! \$ GL VZHLYL DFUJFDFVVFJ|, DFICTL AFAT[ HFCZ DFICTL VIWSFZLV[ SZ|, 5|:TFJ VG; FZ . g: 5\$XG SZL , FUT gI h 5BZ S8LUGL ID<STF[AFAT[ . g: 5\$XG SZL DFICTL D/JJF :JT+ KP

GRJ: 8 hMGqVFZP8LPVF. PqGR s OLP VDP HZLJF, F f  
TFZLBo v v vZ\_! \$P V5|, B VF|O; Z VG|  
SFI 5F, S . HGZ s5lzd hfGvZFNZF  
; ZT DCFGUZ5FI, SFP  
GS, ; FP ZJFGF 0s! f DpI D+lzlGfBF; OZH 5Z VIWSFZL DpI D+lzlG)SFI F", I 4 UJHZFT ; ZSFZ4 :JI6D  
; S|, v! ; IRJF, I 4 UFWLGUZPPPPPPPPPHF6 ; F~\  
szf V5L, SLI ; tTFIWSFZL VG[GFI A ; IRJzI4 XCZ IJSF; VG[XCZL UCIGDF6 IJEFU4  
; IRJF, I 4 UFWLGUZPPPPPPPPPHF6 ; F~\  
s#f V5L, SLI ; tTFIWSFZL VG[GFI A ; IRJzI4DC; } IJEFU4; IRJF, I 4UFWLGUZPPPPPHF6 ; F~\  
GS, ZJFGF 0 s\$f HFCZ DFICTL VIWSFZL VG[Vf|, 0%i B| . HGZ s5lzd hMGfPPPPPHF6 TYF VD, DF8P  
s5f DNGLX HFCZ DFICTL VIWSFZL VF; IP . HGZzl VG[H|GL . HGZzl s5lzd hMGvZFNZF  
XCZ IJSF; PPPPPPPPHF6 TYF VD, DF8P  
s&f VF; IP GF0, VF|O; Z VG[VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\*f zL ; ZXF. KUGEF. RfB, LI F4 T]MGL V5L, VZHL VU[p5ZGL IJUTGfC]SD wJFZF SZJFDFVVFJ| IGSF, ; AA HF6 ; F~P



OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP/GR#~~)qZ\_! \$  
 TFP\_#v\_&v! \$

VZHNfZ ov zL ZFHJEF. ; LP 9SSZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%| B| . HGZ4 JLPV|PDF|NL sHDLG ID<ST IJEFUF sJ|: 8 hMGf  
 OZLI FNGL CSLST ov

IJOFI ov IGI D IJ~wW , FU|, HFCZFTGF AFD|GL IJUT|ZF. 8 8|. gOF|DXG Z\_\_5 DJHA DFICTL  
 VF5JF AFAT VU|D|j F GR ! YL ! 5 GL DFICTL AFATP  
 ; NE"ov V+GL VZHNfZGL TFP\_#q\_&q! \$ GL ~~SMC/WZ/FAP/GR #~~)qZ\_! \$P

p5ZFST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFPZ)q\_! q! \$ GL VZHLYL ; ZT XCZGA  
 H|NFVH|NF|J: TFZFD|HFCZFTGF AFD| AFAT[D|j F GR ! YL ! 5 GL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL ; PDP5FP  
 G[ ; AF|WTL VZHL ; j8\_ hFG BFT[ SZJFDA VFJ|, P H| ; j8\_ hFG TZOYL 5+ GR; PhfGqVfZ8LVF. qHFJSq #Z) \*4  
 TFP#! q\_! q! \$ YL IGI T ; DI VJIWDA|0%| B| . HGZ TDFD hFG4 0%| B| 8fpG %, FGZzL VG[ ; j8\_ hFG HDLGVID<ST  
 BFTFG|TANL, SZJFDAVFJ|, P H|[VU|V+G|HfGG[: 5X"TF D|j F GR #4 \$ VG[ ( , FUTL DFICTL VZHNfZG[5+ GR J|: 8  
 hFGqVfZP8LPVF. P; |, Pq! 5! &4 TFP\_\*q\_Zq! \$ YL IGI T ; DI VJIWDA|DFICTL VZHNfZG[5ZL 5FOJFDAVFJ|, KP

VZHNfZ|TDGL TFPZZq\_5q! \$ GL 5YD V5L, d|P SIDxGZzL4 V5L, VIWSFZL ; PDP5FP G[ ; AF|WTL VZHL  
 Dwl :Y SRZL BFT[ SZJFDA VFJ|, P H| XCZ IJSF; IJEFUG[ DF\$, JFDA VFJ|, P H| XCZ IJSF; IJEFU TZOYL 5+  
 GR8LOLVfj|V5L, qGR! \_&4 TFP#! q\_5q! \$ GA ZFH V5L, VIWSFZL TDFD hFG VG[ V5L, VIWSFZL 8fpG %, FIGU  
 IJEFUG|TANL, SZJFDAVFJ|, P VZHNfZGL V5L, DAV5L, ; FY|HFDF6 SZ|, 5+DAVZHNfZG[ZFNZ hFG TZOYL SF|  
 DFICTL D/|, GYL T|L ZH|VFT SZJFDAVFJ|, KP 5ZT]ZFNZ hFG HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI VJIWDA  
 5+ GR J|: 8 hFGqVfZP8LPVF. P; |, Pq! 5! &4 TFP\_\*q\_Zq! \$ YL DFICTL 5ZL 5FO|, CFI P V5L, VZHL VU|SF|. IJXDF  
 SFI "JFCL SZJFGL ZC|TL GYIP VZHNfZGL DFICTL G D?I FAFAT|GL ZH|VFT w| FG|, . VZHNfZG[VF5|, L DFICTLGL GS,  
 5G0 5ZL 5FOJFGL ZCP

CJSD

VZHNfZGL TFPZ)q\_5q! \$ GL VZHLYL DFUJFDAVFJ|, DFICTL 5S| V+G|HfGG[: 5X"TF D|j F VU|GL  
 DFICTL HFCZ DFICTL VIWSFZL TZOYL 5ZL 5OF| |, CFI P 5ZT]T|GL GS, VZHNfZG[G D?I FAFAT|GL ZH|VFT w| FG|, .  
 DFICTLGL GS, INGv\* DA5G0 5ZL 5FOJF 0%| B| . HGZ HFCZ DFICTL VIWSFZL ZFNZ hFGG|H6FJJFDAVFJ|KP

GRJ|: 8 hMGqVfZP8LPVF. PqGR  
 TFZLBoV v vZ\_! \$P

s OLP VDP HZLJF, F f  
 V[5[, B V|f|0; Z VG|  
 SFI "5F, S . HGZ s5IzD hFGvZFNZf  
 ; ZT DCFGUZ5FI, SFP

GS, ZJFGf4  
 s! f HFCZ DFICTL VIWSFZL VG[0%| B| . HGZ4 JLPV|PDF|NL sHDLG ID<ST IJEFUF s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNNGlX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|H|GL . HGZzL s5IzD hMGvZFNZf XCZ IJSF; PPPP HF6  
 TYF VD, DF8P  
 s#f VF; LP GRP, V|f|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$f VS: DFT IGJFZ6 S|jSGA5D|B zL ZFHJEF. ; LP 9SSZ4 T|V|GL V5L, VZHL VU|[p5ZGL IJUT|GAC|SD w|JZF SZJFDA  
 VFJ|, IGSF, ; AA HF6 ; F-P

<p>OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; ZT v #) 5 ___) P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G\$SMC/WZ/FAP/GR\$\_qZ\_! \$  
TFP\_5v\_&v! \$

5|T4  
GZXE. GFGHLEF. AYJFZ  
! ZqZ#\*#4 ; {I N5}ZF DFS|84  
S)EFZJFOF 5F; |  
; ZT

IJQFI ov TDFZL TFP Z&q\_Zq! \$4 VF. POLPGR Z5\_\* GL VZHL AFATP

; NE"ov s! f ; NZ VZHL AFAT[TFPZ\$q\_#q! \$ YL ; h8= hfG BFT[SZ], 5YD V5L, H[V+  
J:8 hfGDATFPZ)q\_ \$q! \$ GAZFH D/, KP  
szf TFP\_Zq\_&q! \$ GAZFH ; NZ VF. POLPGR Z5\_\* Dwl : Y SRZL BFT[SZ], H[V+  
J:8hfGDATFP\_5q\_&q! \$ GAZFH D/, ALHLJFZ 5YD V5L, VZHL SZ], AFATP  
s#f V+GL VZHNFZGL TFP\_5q\_&q! \$4 SMC/WZ/FAP/ GR \$\_ YL GFVFI |, P

p5ZFST IJQFI VG[; NEv# AFAT[H6fJJFG)S[VF5GL TFP Z&q\_Zq! \$4 VF. POLPGR Z5\_\* GL 5YD  
V5L, AFAT[5+ GR J:8 hfGqVFEZP8LPVF. P; |, Pq#! (4 TFP#! q\_5q! \$ YL V+Yl CSD SZJFDf VEFJ, KP VFYL  
; NEvZ AFAT[V+Yl SF. SFI JFCL SZJFGL ZC|TL GYLP ; NEv! AFAT[SZ], CSDGL GS, VF ; FY[; FD, KP

GRJ: 8 hMGqVFEZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P  
GS, ZJGF4

s OLP VDP HZLJF, F f  
V[5[, B VF|O; Z VG[  
SFI "5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

s! f HFCZ DFICTL VIWSFZL VG[0%| BL . HGZ4 s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzl VG[H]GL . HGZzl s5IzD hMGvZFNZfXCZ  
IJSF; PPPPPPPPHF6 TYF VD, DF8P  
s#f VF; LP GF|, VF|O; Z VG[VFEZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\$f zl GZx VGP AYJFZ4 T|MIGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZF SZJFDf VEFJ, IGsf, ; AA  
HF6 ; F~P



OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ		; ]ZT DCFGUZ5FI, SF 5lÜD hMG sZFN]Zf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFN]Z ZM04; ]ZT v #) 5 ___)P OIMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP\$! qZ\_! \$  
 TFP\_)v\_&v! \$

VZHNfZ ov zL 5]TIS DC]XEF. 58[,

IJQFI ov gl ] V[, P5LP ; JF6L :S], 4 HCFULZFAFN4 ; ]ZT GFZFD D]. g8Gg; DF8[; PDP5FP GFAHJFANFZ  
 VIWSFZLGFAGFD4 CF]i # Vp÷ 4 VF]O; 8[, LOFG GAZ JUZ]GL DFICTL D]i F GR ! YL ! \_AFATP  
 ; NE"ov V+GL VZHNfZGL TFP\_)q\_&q! \$ GL SMC/WZ/FAP/ GR \$! qZ\_! \$P

; FNZ ZH]#

p5ZF]ST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFPZ&q\_#q! \$ GFAZFH RLO . gHLGLI Z sNH) &  
 AS, PWD, a, f]S GR! \$4 gl ] ; RLJF, I 4 ; ZNFZ EJG4 UFWL GUZG[; AFWTL VZHL 5+GFA C]LU D]A UJZD]8 VFD  
 . Ig0I F DLGL:8E VFD ZFD 8fg; 5F8" V]g0 CF. J# 5F, L"FD]8 :8E84 8fg; 5F8" EJG4 gl ] IN<CL s5Lv\$ hfGf G[ VFG  
 , F. G VZHL SZLP VZHL OLGFA ~FP ! \_ Dfd VFD UBJ] 5D]8 SZ], CFJFG] VZHNfZ[ TDGL IJUT VZHL ; FYGL  
 HFDF6DFAH6FJ], KP HI; ]58]0LU . gHLGLI Z V]g0 ; LP5LPVF. PVP]s5Lv\$ hfGf TZOYL F.NO.RW/RTI/2014-P-4,  
 TFPZ&q\_#q! \$ YL DFU" VG[ DSG IJEFUG[ TFP\_\*q\_\$q! \$ GFA ZFH TANL, SZ], KP TDGF TZOYL 5+ GR  
 VFZ8LVF. v ! \_vZ\_! \$v\$\_vM, TFP! \*q\_\$q! \$ YL HFCZ DFICTL VIWSFZL VG[; ]58]0LU . gHLGLI Z4 G]XG,  
 CF. J[; S", 4 JOFNZF VG[Vg0Z ; ]ZB]4 VAG O]J, 5D]8 OL5F8D]84 ; IRJF, I 4UFWL GUZG[TANL, SZJFDFV]FJ, P  
 HI HFCZ DFICTL VIWSFZL VG[; ]58]0LU . gHLGLI Z4 G]XG, CF. J[; S", 4 JOFNZF TZOYL 5+ GR NHC/RTI/529,  
 TFP! #q\_5q! \$ YL HFCZ DFICTL VIWSFZL VG[; L8L . HGZ ; PDP5FP G[TANL, SZJFDFV]FJ, P HI DNGLX HFCZ  
 DFICTL VIWSFZL VG[ ; ]SXG VIWSFZL4 XCZL IJSF; VG[ XCZL UCIGDF'6 IJEFU TZOYL 5+ SPFS GR  
 5ZRv(\_Z\_! \$vRTiv&#v5L4 TFPZ\_q\_5q! \$ YL HFCZ DFICTL VIWSFZL ; PDP5FP G[TANL, SZJFDFV]FJ, P HI  
 ; PDP5FP GL Dwl :Y SRZLGF HFCZ DFICTL VIWSFZL TZOYL SFI "5F, S . HGZ CF. 0#], S IJEFU VG[ZFNZ hfGGI  
 TANL, SZJFDFV]FJ, P HI; L8L . HGZ :5P ; ], 4 0%] ]L . HGZ TZOYL SFI "5F, S . HGZ J:8 hfGGI HFPGR; LP. P: 5P  
 ; ], q! #! 4 TFP! \*q\_5q! \$ YL TANL, SZJFDFV]FJ, P

VZHNfZzL 5]TIS 58[, V[ S]NGFA DLGL:8E VFD ZFD 8fg; 5F8" V]g0 CF. J# 5F, L"FD]8 :8E84 8fg; 5F8"  
 EJG4 gl ] IN<CLGFA Vp÷ H6FJL S]S]LI WFZF WFZ6 D]HA ~FP ! \_qv OL EZ5F. SZ], KP HI FYL TDGL VZHL UFWL GUZ  
 BFT[ TANL, SZ], KP U]HZFT ZFHI GFA VFZP8LPVF. P GFAIGI DF] D]HA VZHNfZ[ U]HZFTGFA SF]. 56 SFI "f]+ BFT[ ~FP  
 Z\_qv EZ5F. SZ] VZHL SZJFGL ZC[KP VFD VZHNfZ[TDGL VZHL OL VNZ Jk] ] C] /GL H6FI P V]B, [S] 5Z[ ]ZL  
 OL EZ5F. SZ], G CF] P T]L VZHL OL IJGFL VZHL SC]FIP HI VU[ V+Y]L VZHNfZG[ 5+ GR J:8 hfGq VFZP8LP  
 VF. P; ], Pq\$\_&4 TFP! &q\_&q! \$ YL VZHNfZG[ DFICTL 5ZL 5FOJFDF V]FJ, P TDH H~ZL N:TEJH VU]  
 TFPZ\$q\_&q! \$ GFAZFH . g: 5]SXG SZL H. VFZP8LPVF. P GFA S, D \*s#f C] / H6FJJFDFV]FJ, P TD KTFVZHNfZ[  
 HFCZ DFICTL VIWSFZLV[SZ], 5]:TEJ VG[; FZ SF. GF6FAEZ5F. SZL DFICTL D]/JJFG[5] ] F; SZ], GYLP

JWDFVVEZP8LPVF. P GAVIGI D DJHA VZHNEZ[-FP ! \_qv JWFZFGAVZHL OL TZLS[EZJFGF ZCP H[EZ5F. SZ[, GYLP  
VEJF ; HFJDFVZHNZ . rK\$ CFI TF[VEJF GF6VEZL DFICTL D/JL XS[KP VgI YF VEZP8LPVF. P GAVIGI DF[CP/  
; NZ VZHL NOTZ[SZJF HFJ Kp VZHNEZ . rK\$ CFI TF[VEZP8LPVF. P GAVIGI D DJHA OL EZ5F. SZL DFICTL  
D/JJF :JT+ KP

GRJ: 8 hMGqVEZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V5[, B VF[0; Z VG[  
SF[ '5F, S . HGZ s5IzD hfGvZFNZF  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[0%l BL . HGZ4 HPSPRF[WZL sZ: TF IJEFUfs5IzD hMGfPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[HGL . HGZzL s5IzD hMGvZFNZFXCZ IJSF; PPPPPP  
HF6 TYF VD, DF8P

s#f VF; LP GF0, VF[0; Z VG[VEZP8LPVF. P; [, 5|TPPPPPHF6 DF8P

s\$f zL 5|T[S DCXEF. 58[, 4 T[MGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJZF SZJDFVVFJ[, IGSF, ; AA  
HF6 ; F~P

OLPV DPHZLJF, F V 5 ,  8 VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFNZ ZM04;  ZT v #)5 ___)P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP\$ZqZ\_! \$  
 TFP! \*v\_&v! \$

VZHNfZ ov zL GZ|XEF. GFGHLEF. AYJfZ  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|VF|, 0%| |BL . HGZ4 sXCZ IJSF; f sJ|:8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 8LP5LPGR (4 \$# V|P5LPGR \$ (4 8LP0LPV|Pq|:8 hfGq0LPVFZPGRZ (54 TFP\_#q\_#q! !  
 YL ; |RT AFWSFDGF%, FGGL DHZLGL ZHFIRöLGL4 VFS|8\$8GL IGD6\$GL4 ALPI P; |PGL  
 IJUZGL DFICTL VF5JF AFATP

; NE"ov V+|GL VZHNfZGL TFP! \*q\_&q! \$ GL ~~SMC/WZ/FAP~~/ GR \$ZqZ\_! \$P

p5Zf\$T IJQFI VG| ; NE" AFAT|H6FJJFG|S| VZHNfZGL TFP\_&q\_5q! \$ GAZF|H GF|A XCZ IJSF;  
 VIWSFZLG|; |AF|WTL VZHL Dwl :Y SRZLV[SZJFDFVFEJ|, P H|Dwl :Y dl |IG|; 5, SIDXGZ SRZL ; |PDP5FP BFT| SZJFDF  
 VFEJ|, P H|Dwl :Y SRZL TZOYL 5+ GR; |q5\_&4 TFPZ\_q\_5q! \$ YL ZFNZ hfG T|DH R|O OFI Z VF|O; ZG|TANL, SZJFDF  
 VFEJ|, P t|FZAFN VZHNfZ|TFP! \_q\_&q! \$ GAZF|H IGI T ; DI VJIWDF|DFICTL G D/TR|5YD V5L, VZHL SZJFDF  
 VFEJ|, P

VZHNfZGL 5YD VZHL AFAT|V5L, TASS|5J|TF VZHNfZ wJFZF 8LP5LP:SLD GR\_( s5F, G5MZf4  
 OFP%, |MB GR\$ (GA8LP0LPV|Pq|P|hMGq0LP5LPGRvZ (5YL DHZ SZJFDFVFEJ|, %, FGGL GS, DFUJFDFVFEJ|, L ; NZ ID<STDA  
 V|JF SM. %, FG DHZ CMUFG|DFICTL Z\$0"p5Z p5, aW G CMUFG|SFZ6|VZHNfZG|V+|Y| Z\$0"p5Z p5, aW GYL V|JM  
 HJFA 5F9JJFDFVFEJ|, P 5ZT| ; NZ GAZYL 8LP5LP:SLD GR\_(s5F, G5MZf4 a, S GR\$ (4 OFP%, |MB GR##DA%, FG DHZ  
 SZJFDF VFEJ|, KP H| DFICTL VZHNfZG| 5F9JJFDF VFEJ|, GYLP VF ; FY| J|:8 hMG VFEZP8LPVF. P; |, q\$&\$4  
 TFPZ! q\_&qZ\_! \$ YL HJFA VF5JFDF VFEJ|, KP VFD VZHNfZG|SZ|, 5J|TF D|HA DFICTL 5ZL 5F0|, GYLP VFYL  
 VFEZP8LPVF. P V\$8GL S, D ZF VG|ZJ D|HA NOTZL p5, aW VG|CSLST, |FL DFICTL VZHNfZG|ALP5LPV|, P SF0'3FZS  
 CF| |O| GS, 5ZL 5F0JFGL ZC|KP

C|SD

VZHNfZGL TFP\_&q\_5q! \$ GL VZHLYL DFUJFDFVFEJ| DFICTL HFCZ DFICTL VIWSFZL TZOYL 5ZL  
 5F0|, G CF| T|DH VZHNfZ ALP5LPV|, P SF0'3FZS CF| T|YL VFEZP8LPVF. PGL S, D 5sSf D|HA O| GS, INGv\* DA  
 VZHNfZG|5ZL 5F0JF 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZLsXCZ IJSF; f ZFNZ hfGG|H6FJJFDFVFEJ|KP

GRJ|:8 hMGqVFEZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP V|DP HZLJF, F f  
 V|5|, |8 VF|O; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJFGF4  
 s! f HFCZ DFICTL VIWSFZL VG|VF|, 0%| |BL . HGZ4 s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|H|GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPPPPPHF6 TYF  
 VD, DF8P  
 s#f VF; LP GF|, VF|O; Z VG|VFEZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$F zL GZ|X V|GP AYJfZ4 T|MIGL V5L, VZHL VU|p5ZGL IJUT|G|AC\$D wJFZF SZJFDFVFEJ|, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; [ZT v #) 5 ___)P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP\$#qZ\_! \$  
 TFP Z\_v\_&v! \$

VZHNfZ ov zL 5ZDFZ WGxI FD OLP

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ4 V[GPJLP RfWZL sXCZ IJSF; f VG[

5; F[G[, VF[0; Z sJ; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ZFNZ hfG XCZ IJSF; IJEFUDFOZH AHFJTAOP . HGZzL V[GPJLP RfWZL  
 ; FCJAGL Kf, F V[ J0FDAS], S[8, F IAGVIWST AFWSFDG[ IJUTJFZ DFICTL  
 D]f GR ! YL ( AFATP

; NE"ov V+G[ VZHNfZGL TFPZ\_q\_&q! \$ GL ~~SMC/WZ/FAP~~/GR \$#qZ\_! \$P

p5ZfST IJQFI VG[; NE" AFAT[H6FJJFG]S[VZHNfZGL TFP\_\*q\_#q! \$ GL VZHLYL HFCZ DFICTL VIWSFZL  
 ZFNZ hfG 5F; [XCZ IJSF; IJEFUDFOZH AHFJTAOP . HGZzL V[GPJLP RfWZL ; FCJAGL AFWSFDG[, UTL D]f GR ! YL ( GL  
 DFICTL DFUTL VZHL SZJFDA VFJ, P H[; [8= hfGGF 5+ GR; P[hfGqVFZ8LVF. qHFJSq#( ) )4 TFP! ! q\_#q! \$ YL IGI T  
 ; DI VJIWDA0%I ]BL . HGZ J;8 hfGG[TANL, SZJFDA VFJ, P H[GVG; WFG[HFCZ DFICTL VIWSFZL TZOYL D]f GR Z4 #4  
 ( GL DFICTL 5+ GR J;8 hfGqVFZP8LPVF. P; [ Pq5\$4 TFP! ! q\_#q! \$ YL IGI T ; DI VJIWDA VZHNfZG[ 5ZL 5FOJFDA  
 VFJ, P TPDH D]f GR # AFAT[H~ZL GS, F[VU[ ~FP ! \$qv EZ5F. SZL DFICTL D/JJF 5; TEJ SZ, P H[ VU[ VZHNfZ  
 TFPZ#q\_#q! \$ GAZFH GF6AEZ5F. SZL DFICTL D/J, KP HI FZ[D]f GR & VG[\* GL DFICTL HFCZ DFICTL VIWSFZL VG[  
 5; F[G[, VF[0; Z TZOYL 5+ GR J;8hfGqVFZP8LPVF. P; [ Pq #\*4 TFP\_\*q\_#q! \$ YL DFICTL 5ZL 5FOJFDA VFJ, P 5ZT]D]f  
 GR ! VG[5 GL DFICTL 5ZL 5FOJFDA VFJ, GYLP

VZHNfZ TFP! (q\_&q! \$ GAZFH STFZUFD hfGDASf 56 HJFA D/, GYL T[ ]H6FJL GFZFH Y. 5YD  
 V5L, SZ, KP 5ZT] VZHNfZ[BN TFPZ#q\_#q! \$ GAZFH GF6AEZ5F. SZL DFICTL D/J, KP VFYL VZHNfZG[Sf 56  
 HJFA DfS, JFDA VFJ, GYL T[ ]L NFNG[; DY'G D/T]GYLP VZHNfZGL VZHLG[wi FG[, [TfD]f GR ! VG[5 I; JFI GL TDFD  
 DFICTL VZHNfZG[5ZL 5FOJFDA VFJ, KP HI FZ[D]f GR ! VG[5 GL GIC 5ZL 5FOJFDA VFJ, DFICTL VZHNfZG[IJGF DkI [I  
 5ZL 5FOJFGL ZCP VZHNfZGL D]f GR ! VG[5 G[NOTZL p5, aW CSLST, 1fL DFICTL 5ZL 5FOJFGL ZCP

CSD

VZHNfZGL TFP\_\*q\_#q! \$ GL VZHLYL DFUJFDA VFJ, DFICTL 5SL D]f GR ! VG[5 GL GIC 5ZL 5FO,  
 DFICTL INGv\* DAVFZP8LPVF. P V[8GL S, D \*s&f C[ / IJGF DkI [NOTZL p5, aW CSLST, 1fL DFICTL 5ZL 5FOJF 0%I ]BL  
 . HGZ HFCZ DFICTL VIWSFZL ZFNZ hfGG[H6FJJFDA VFJ]KP

GRJ; 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, f f  
 V[5[, [8 VF[0; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJFGf4

s! f HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ4 V[GPJLP RfWZL VG[5; F[G[, VF[0; Z s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNNGLX HFCZ DFICTL VIWSFZL VF; IP . HGZzL VG[H]GL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPPPPHF6 TYF VD, DF8P  
 s#f DNNGLX HFCZ DFICTL VIWSFZL VG[; [XG VF[0; Z 8S s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 s\$F VF; IP GFp, VF[0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPHF6 DF8P  
 s5f zL WGxI FD OLP 5ZDFZ4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZFZ SZJFDA VFJ, IGSE, ; AA HF6 ; F~P

<p>OLPV DPHZLJF, F V[5[,  B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OMG0_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP\$(qZ\_! \$  
TP Z#v\_&v! \$

VZHNfZ ov zL IN, L5S|DFZ G8JZ, F, 5FZ|B

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|UJDF: TF . g: 5|S8Z4 ALPSp, F5; LJF/F VG|jI J; FI J|Zf  
VIWSFZL4 VFZPH|PSFI : Y sJ|: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 5lzd hfG VF|0; GFUJDF: TFWFZF IJEFUDFYL TFPZZq\_ \$q! \$ GFZFH cclA<0 SZ

V|g8Z5f. hcc TYF ccGJIGDF"6 SFg : 5|kI F, L8lh 5|P, LPcc GFDGF ODGL DFICTL VF5JF  
AFATP

; NE"ov V+|GL VZHNfZGL TFPZ#q\_&q! \$ GL SMC/WZ/FAP/ GP \$(qZ\_! \$P

p5Zf|ST IJQFI VG|; NE"AFAT(H6fJJFG)|S|VZHNfZGL TFPZ (q\_ \$q! \$ GL VZHLYL IA<0 SZ V|g8Z5f. h  
; \YFGV|jI J; FI J|Zf VG|UJDF: TF AFAT|GL DFICTL DFUTL VZHL hfG, VIWSFZL ZFNZ hfG BFT|SZJFDA VFJ| P  
H|GA VG|; WFG| V+|YL 5+ GR J|:8 hfGqVFZP8LPVF. P; |, PqZ\*\*4 TFPZ#q\_5q! \$ YL jI J; FI J|ZfGL DFICTL ~FP  
! &(qv EZ5F. SZL IGI T ; DI VJIWDA DFICTL D|/JJF H6FJ|, KP H| VZHNfZ(TFPZ)q\_5q! \$ GFZFH ~FP  
! 5&qv VG(TFP| )q\_\*q! \$ GFZFH ~FP ! \_qv D/L S|, [-FP ! &&qv EZLG(D|/J|, KP HI FZ(UJDF: TFWFZGL DFICTL  
5+ GR J|:8 hfGqVFZP8LPVF. P; |, PqZ\*\*4 TFPZ#q\_5q! \$ YL ~FP ! # (qv EZ5F. SZL IGI T ; DI VJIWDA DFICTL  
D|/JJF H6FJ|, KP H| VZHNfZ(TFPZ)q\_5q! \$ GFZFH ~FP ! # (qv EZL DFICTL D|/J|, KP HI FZ(5+ GR J|:8  
hfGqVFZP8LP VF. P; |, Pq5Z&4 TFP\_5q\_\*q! \$ YL JWZFGL Z; IN VU|GL DFICTL ~FP &qv EZ5F. SZL D|/J|, KP  
VFYL VZHNfZG(TD6(D|/J|, DFICTL 5ZL 5F0JFDA VFJ|, KP

VZHNfZ(TFPZ#q\_&q! \$ GFZFH VWZL DFICTL CF|JFG|H6FJL 5|YD V5L, VZHL SZ|, KP H|DA VZHNfZ|  
V5L, GFAD|jF GR ! VG|Z DAFUJDF: TFWFZF , FI ; g; G|5|DFI6T SZJF TYF D|jF GR # VG|\$ DAF5|D|XG, 8|f GFW6L  
5|DFI65+G|5|DFI6T SZJFGL ZHMFT SZ|, KP VZHNfZ(DY VZHLDFA5|DFI6T GS, GL DFU6L SZ|, CF| P T|JL GS,  
5|DFI6T SZJFGL ; |ZT DCFGUZ5FI, SFGV GLIT IGI D|DA HFUJF. G CF| VF5L XSFI GICP JWDA , FI ; g; GL  
VFZLHG, GS, SF|%| |Z p5ZYL SF-L VF5JFDA VFJ| KP H|hZf|f GS, G|; 8|DF. 0 SZJFGL SF| ; tTF BFTFWLSFZLG|  
VF5JFDA VFJ|, G CF| P VF VU|V5L, GF(D|jF|Ufæ ZFBJF HFU GYLP

HI FZ(VZHNfZ(D|jF GR 5 VG|& DAF, FI ; g; G|SIF JQFGAS. TFZLBGA5|Z5+ VG(H|GA, FI ; g; ZN  
SZJF AFATGL D| VZHLYL V, FI NL V5L, TASS(DFU6L SZ|, KP H|VU|VZHNfZ VFZP8LPVF. P V|S8GL S, D  
&s! f C|P/ V, FI NL VZHL SZL DFICTL D|/JJF : JTV+ KP



CSD

VZHNZGL TFPZ (q\_ \$q! \$ GL VZHLYL DFUJFDFVFEJ, DFICTL VZHNZG[5ZL 5F0JFDFVFEJ, KP  
V5L, DAF UJDF: TFWZF VG[ 5F0XG, , FI ; g; G[ 5DFI6T GS, GL DFU6L SZ, CF[ P TJL GS, ; PDP5FP GFA  
, FI ; g; GL VFZLHG, GS, SF[0%I BZ p5ZYL SF-L VF5JFDFVFEJ KP H[hZFIF GS, G[; 8LOF. 0 SZJFGL SF. ; tTF  
BFTFWLSFZLG[VF5JFDFVFEJ, G CF[ P VF VU[V5L, GF[D]; fUfæ ZFBJF HFU GYLP

VZHNZGL V5L, GAD]; F GR 5 VG[ & AFAT[ VZHNZ[D] VZHLGL V5L, TASS[V, FI NL 5IF  
SZ, CF[ P VFZP8LPVF. P SFI NFGH HFUJF. VG; FZ V, FI NL VZHL , FUT HFCZ DFICTL VIWSFZLG[SZL DFICTL  
D/JJF : JTV+ KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s 0LP VDP HZLJF, F f  
V5, B VF[0; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNZF  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG[UJDF: TF . g: 5S8Z4 ALPS, F5; LJF/F VG[jI J; FI JZF VIWSFZL4

VFZPHPSFI :Y s5IzD hMGfPPPPPHF6 TYF VD, DF8P

sZf VF; LP GF, VF[0; Z VG[VFZP8LPVF. P; [, 5|TPPPPPPHF6 DF8P

s#f zL IN, L5SDFZ G8JZ, F, 5FZ[B4 TMGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJZF SZJFDFVFEJ,  
IGSF, ; AA HF6 ; F~P

<p>OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; ]T DCFGUZ5FI, SF 5lüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; ]T v #) 5 ___)P OMG0_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G\$SMC/WZ/FAP/GP\$) qZ\_! \$  
TFP Z\$v\_&v! \$

VZHNfZ ov zL INjI SFT ; FGL

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] ]BL . HGZ4 V[GPJLP RFWZL sXCZ IJSF; f VG[  
5; F[G[, VF]0; Z sJ]: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFP! 5q\_5q! \$ GL VZHLYL XCZ IJSF; D\OZH AHFJTAIN5S 8], ZGL  
OZHsf/ NZdI FGGL DFICTL DFUTL VZHL D]j;F GR ! YL ! \$ AFATP

; NE"ov V+GL VZHNfZGL TFPZ\$q\_&q! \$ GL SMC/WZ/FAP/ GR \$) qZ\_! \$P

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZ[TFP! 5q\_5q! \$ GAZFH HFCZ DFICTL VIWSFZL  
ZFNZ hfGG[; AFWTL XCZ IJSF; D\OZH AHFJTAIN5S 8], ZGL OZHsf/ NZdI FG D]j;F GR ! YL ! \$ GL DFICTL  
DFUTL VZHL SZJFDFVFEJ, P H[VXT0 HFCZ DFICTL VIWSFZL VG[; ]SXG VF]0; Z sDCSDf4 Dwl :Y DCSD VG[  
5; F[G[, VF]0; Z J]: 8 hfGG[ 5+ GR J]: 8 hfGqVFEZP8LPVF. P; ], PqZ5\*4 TFPZ\_q\_5q! \$ YL IGI T ; DI VJIWDF  
TANL, SZJFDFVFEJ, P

p5ZFST AFATGF VG[; WFG[D]j;F GR ! VG[ \* GL DFICTL 5+ GR J]: 8 hfGqVFEZP8LPVF. P; ], PqZ\*54  
TFPZ#q\_5q! \$ YL 5; F[G[, VF]0; Z VG[ HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI VJIWDF5ZL 5FOJFDFVFEJ,  
Kp HI FZ[D]j;F GR # YL &4) 4! \_4! ! 4! \$ GL DFICTL 5+ GR J]: 8 hfGqVFEZP8LPVF. P; ], Pq# (\$4 TFP! ! q\_&q! \$ YL  
IGI T ; DI VJIWDF5ZL 5FOJFDFVFEJ, P H\DFAD]j;F GR 5 VG[! ! GL DFICTL VF5JFDFVFEJ, P T[DH D]j;F GR ) VG[  
! \_GL DFICTL GF6AEZ5F. SZL D\JF 5]:TFJ SZ], Kp HI FZ[D]j;F GR #4 & VG[! \$ GL DFICTL NOTZ[p5, aW G  
CFJFYL NOTZL p5, aW CSLST, 1fl DFICTL H6FJ], Kp

H[VU[VZHNfZ TZOYL TFPZ\$q\_&q! \$ GAZFH V5L, VIWSFZL ZFNZ hfGG[V5L, VZHL SZJFDF  
VFEJ, Kp H\DFATFP! ! q\_&q! \$ GAFIG6" ; FD[V5L, SZJFDFVFEJ, K[ VG[ BFBF VG[V; \TFPFSZS HJFA VU[  
DFICTL K]5FJL CFJFG\H6FJ], Kp 5ZT] X\DFICTL K]5FJ], K[T[VU]GL SF]. IJUTH[S[VFWFZ ZH]SZ], GYLP 5ZT]  
DFU], DFICTLDFAD]j;F GR Z4 #4 \$4 &4 (4! \_YL ! \$ H6FJ], Kp D]j;F GR Z4 ! Z VG[! # , FUT BFTFG[VZHL TANL,  
SZ], 5ZT]V5L, TANL, SZ], GYLP T\YL CSDGF INGv5 DFV5L, TANL, SZJF H6FJJFDFVFEJ[Kp HI FZ[D]j;F GR  
( GL GIC 5ZL 5OFI ], DFICTL 5ZL 5FOJFGL ZCP TYF AFSL D]j;FVFE#4 \$4 &4 ! \_4! ! VU[HFCZ DFICTL VIWSFZLV]  
SZ], 5]:TFJ VG]; FZ ZS0"p5Z DFICTL p5, aW G CFJF AFAT[D]j;F GR #4 &4 ! \$ GL BFTZL TYF D]j;F GR \$4 ! \_4! !  
AFAT[VFEZP8LPVF. P SFI NFGL S, D \*s#f D]HA >q: 5]SXG SZL DFICTL D\JL XS[Kp

C]SD

VZHNfZGL TFP! 5q\_5q! \$ GL VZHLYL DFUJFDFVFEJ, DFICTL 5SL D]f GR ( GL GIC 5ZL 50FI[, DFICTL VFZP8LPVF. P SFI NFGL S, D \*s&f C9/ IJGF DkI [ 5ZL 5FOJF 0%l Bl . HGZ VG[ HFCZ DFICTL VIWSFZL ZFNZ[hfGG[H6FJJFDFVFEJ]Kp

HI FZ[D]fVFE[#4 \$4 &4 ! \_4 ! ! 4 ! \$ AFAT[HFCZ DFICTL VIWSFZLV[SZ, 5:TFJ VG; FZ OIZI FN CSLSTDFH6FJ[, IJUT[HFCZ DFICTL VIWSFZLGF VF]0; SFDSFH NZIDI FG VFUF[TZF; DI DFUL . g:5\$XG SZL DFICTL p5, aW VUJGL BFTZL TYF Vgl D]fVFE[VU] . g:5\$XG SZL S, D \*s#f C9/ DFICTL D/JL XS[ Kp VZHNfZGL VFJL ZH]VFT YI]L . g:5\$XG 5Z] 5FOJF 0%l Bl . HGZ VG[ HFCZ DFICTL VIWSFZL ZFNZ[hfGG[H6FJJFDFVFEJ]Kp

HI FZ[D]f GR Z VG[ ! Z VU[ VZHL TANL, SZ, Kp 5ZT] , FUT HFCZ DFICTL VIWSFZLG[V5L, TANL, SZ, GYLP T]L INGv5 DF, FUT HFCZ DFICTL VIWSFZLGF V5L, VIWSFZLG[V5L, TANL, SZJF 5; F]G, VF]0; Z VG[HFCZ DFICTL VIWSFZL ZFNZ[hfGG[H6FJJFDFVFEJ]Kp

GRJ: 8 hNGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s 0LP VDP HZLJF, f f  
V5, B VF]0; Z VG[  
SFI 5F, S . HGZ s5IzD hfGvZFNZF  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[0%l Bl . HGZ4 VGPJLPRF]WZL VG[5; F]G, VF]0; Z s5IzD hNGfPPPPPHF6 TYF VD, DF8P

sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hNGvZFNZFXCZ IJSE; PPPPPPP HF6 TYF VD, DF8P

s#f VF; LP GFp, VF]0; Z VG[VFZP8LPVF. P; [, 5]TPPPPPPHF6 DF8P

s\$f HFCZ DFICTL VIWSFZL VG[; \$XG VF]0; Z sDC\$Df4 Dwl :Y DCSD s5IzD hNGfPPPPPHF6 TYF VD, DF8P  
s5f zL IN]I SFT ; F]GL T]MGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJZF SZJFDFVFEJ, IGSF, ; AA HF6 ; F~P

OLPVDPHZLJF, F V[5], [8 VMOL; Z VG[ SFI '5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJJZ; ZM04 TFOJFOL4 g! ]ZFNZ ZM04; [ZT v #) 5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL GP\$SMC/WZ/FAP/GR5ZqZ\_! \$  
 TFP Z\*v\_&v! \$

VZHNfZ ov zL GZ[XEF. GFGHLEF. AYJfZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ4 JLPVPDFNL sXCZ IJSF; f sJ[; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ID<ST XF`JT CF. , F. 8 VOFH6 ZF04 GJI ]U SF, [HGL ; FD[CF, DRYTFAFWSFD H[  
 V[; PVDPP; IP GL DHZLG]ZHfIRöLGL4 VFSL8\$8GL IGD6\$GL4 AIP ]P; LPGL IUJZ[GL  
 DFICTL VF5JF AFATP

; NE"ov V+[GL VZHNfZGL TFPZ\*q\_&q! \$ GL SMC/WZ/FAP/GR 5ZqZ\_! \$P

p5Zf\$T IJQFI VG[; NE" AFAT[H6FJJFG]S[VZHNfZGL ID<ST XF`JT CF. , F. 8 VOFH6 ZF04 GJI ]U  
 SF, [HGL ; FD[CF, DRYTFAFWSFD AFAT[GL DFICTL DFUTL VZHL SFI '5F, S . HGZ ZFNZ hfGG[; AFWTL VZHL ; [87 hfG  
 BFT[SZJFDF VEFJ, P H[; [87 hfG TZOYL 5+ GR; PhfGqVfZ8LVF. qHFJSq&\$\_4TFP#\_q\_5q! \$ YL IGI T ; DI VJIWDA  
 ZFNZ hfG4 Dwl :Y XCZ IJSF; IJEFU4 ; [87 V\$; F. h V[0 S:8D IJEFU VG[ HG; '5" S, \$8ZzLG[ TANL, SZJFDF  
 VEFJ, KP

HGA VG; WFG[ V+[GF IJEFUGL DFICTL ; NE[ 5+ GR J[;8 hfGq VFZP8LPVF. P; [ P q \$\*#4  
 TFPZ#q\_&q! \$YL VZHNfZG[IGI T ; DI VJIWDA; NZ GFDGL SF. ID<ST Z\$0"p5Z SF. DFICTL p5, aW H6FTL GYLP H[YL  
 ID<STGL VF/B DF8[ GFW GAZ4 OFP%, F8 IUJZ[ AFAT[ :508TF SZJFYL DFICTL D/XP VZHNfZ[ TFPZ&q\_&q! \$ GA ZFH  
 SFI '5F, S . HGZ J[;8 hfGG[; AFWTL V5L, VZHL ; PDP5FP Dwl :Y SRZL BFT[SZJFDF VEFJ, P H[ TFPZ&q\_&q! \$GA ZFH  
 OlqZ ( ( & YL SFI '5F, S . HGZ J[;8hfGG[ DF\$, L VF5JFDF VEFJ, PH[ VU[ VZHNfZ[ ID<STGL VF/B AFAT[ ID<STGA  
 RFZ; DF5 VU[GF SF. GS, F[ AFAT[GL DFICTL 5ZL 5F0, GYLP5ZT] TGF , F\$XG AFAT[OFB[ SF5L VG[Z:TFG[SL %, FG ZH)  
 SZ, KP

VZHNfZGL 5YD V5L, AFAT[ HFCZ DFICTL VIWSFZL TZOYL 5]TF DFUJFDF VEFJ, P HDA HFCZ  
 DFICTLVIWSFZLV[ID<STGL VF/B VU[:508TF DF8[5+ 5F9J, KP H[VU[VZHNfZ[SL %, FG ZH)SZ, K[56 ID<ST AFAT[  
 GFW GAZ4 ZUgI ] ; J[GAZ4 a, MS GAZ H[UL SF. IJUTF[ZH)SZ, GYLP VFYL V5L, DFD/ ID<STGL VF/B AFAT[GF[TSZFZL  
 5]G ZC, KP VFYL HFCZ DFICTL VIWSFZLV[VZHNfZG[5ZF 5F0, SL %, FGGAVFWFZ[ VFJL VgI BFTFGL ; NZ AFAT[SF.  
 IJUT D/L XSTL CMI TM TGF VFWFZ[ ID<STGL VF/B Y. XSTL CF[ T[ SZLG[ NOTZL p5, aW CSLST, 1FL DFICTL 5ZL  
 5F0JFGL ZCP

CSD

VZHNfZGL TFPZ\*q\_5q! \$ GL VZHLYL DFUJFDF VEFJ, DFICTL ID<ST XF`JT CF. , F. 8 VOFH6 ZF04  
 GJI ]U SF, [HGL ; FD[GA VFWFZ[NOTZL p5, aW CSLST, 1FL DFICTL 5ZL 5F0L XSFTL CF[ T[ T[5ZL 5F0JF 0%I ]BL . HGZ VG[  
 HFCZ DFICTL VIWSFZL ZFNZ hfGG[H6FJJFDF VEFJ]KP

GRJ[;8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
 V[5], [8 V[10; Z VG[  
 SFI '5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJFG4  
 s! f HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ4 JLPVPDFNL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZF DNGLX HFCZ DFICTL VIWSFZL VF; IP . HGZzL VG[HGL . HGZzIs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#f VF; IP GF0, V[10; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$F zL GZ[X V[GP AYJfZ4 T[MGL V5L, VZHL VU[p5ZGL IJUT[GCSD wJfZf SZJFDF VEFJ, IGSF, ; AA HF6 ; F-P

OLPVDPHZLJF, F V[5], [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; [ZT v #) 5 ___)P OMG0_Z&! vZ*(&! (! v(Zv(#
--	---	--

V5L, VZHL G~~PSMC/WZ/FAP~~/GP5#qZ\_! \$  
 TFP Z\*v\_&v! \$

VZHNfZ ov zL GZ[XEF. GFGHLEF. AYJfZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] [BL . HGZ4 JLPVPDFNL sXCZ IJSF; f sJ]; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 8LP5LPGR ! \_4 \$# VDP5LPGR ! \_ VOFH6GL DHZL %, FGGL4 ZHFIRÖLGL4  
 VFSL8\$8GL IGD6\$GL4 ALPI P; LPGL IJUZGL DFICTL VF5JF AFATP

; NE"ov V+GL VZHNfZGL TFPZ\*q\_&q! \$ GL ~~SMC/WZ/FAP~~/GR 5#qZ\_! \$P

p5Zf\$T IJQFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZGL TFPZ)q\_5q! \$ GL VZHLYL DFICTL  
 DFUTL VZHL SZJFDA VFJ], P HGL GS, V+GFA IJEFUG[D/], KP H[hl6A V1FZ URJF64 V1FZ TPDH 0%, LSß  
 hZFIIFGFAI5h8LU V1FZ HF[FA; NZC] VZHLGL GS, JFRL XSFI T[UL G CFJFYL VJFrI H6FI KP HGA VFWFZ[HFCZ  
 DFICTL VIWSFZLV[VZHNfZG[5+ GR Jf:8 hfGqVFZP8LPVF. P; [; Pq\$\*54 TFPZ#q\_&q! \$ YL VZHNfZG[; ]JFrI VG[  
 :508 V1FZ[DFICTLGL IJUTf[DF\$, JF 5+ 5F9JJFDA VFJ], P

H[VU[VZHNfZ[TFPZ&q\_&q! \$ GAZFH 5YD V5L, VZHL SZL; ]JFrI VG[:508 , Bf6 H6FT]G  
 CFJFYL S. VFZP8LPVF. P V\$8 C9/ T[5F9J], KP T[B], F; f[H6FJ], GYIP T[VU[5YD V5L, VZHL SZ], KP  
 VFZP8LPVF. PV\$8 C9/ ZFHI ; ZSFZYL GSSL YI[, IGI Dv# DJHA HFCZ DFICTL VIWSFZL C9/GL VZHL 8F. 5  
 SZ], L VG[: ]JFrI V1FZ[, BFI[, CFJL H-ZL KP VFYL HFCZ DFICTL VIWSFZLV[5F9J], HJFA VFZP8LP VF. P  
 V\$8GL S, DGL HFUJF. DJHA ; ; UT KP VFYL VZHNfZ[ SZ], V5L, Df[ SZ], F NFJFG[ ; DY'G D/T]GYL VG[  
 V5L, VZHL NOTZ[SZJFDA VFJ]KP VZHNfZ . rK\$ CF[ T[VFZP8LPVF. P V\$8GL IGI Df[VG[ HFUJF. VG]; FZ  
 VZHL SZLIG[DFICTL D/JJF :JT+ KP

CJSD

VZHNfZGL TFPZ)q\_5q! \$ GL VZHL AFAT[ VZHLDA SZ], SI F IGI Df[ C9/ ; ]JFrI VG[:508  
 , Bf6 AFAT[ SZ], T[AFATGL V5L, CF[ P H[VU[IGI Dv# GL HFUJF. Df[ SZJFDA VFJ], KP VFYL TPDGF V5L, Df[  
 SZ], F NFJFG[ ; DY'G D/T]GYL VG[ HFCZ DFICTL VIWSFZLV[VF5], IJUT SFI NF ; FY[ ; ; UT KP VFYL V5L,  
 VZHL VU[SF]. SFI "JFCL SZJFGL ZC[TL G CF[ P V5L, VZHL NOTZ[SZJFDA VFJ]KP

GRJf: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, f f  
 V[5], [8 VF[0; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJFGf4  
 s! f HFCZ DFICTL VIWSFZL VG[0%] [BL . HGZ4 JLPVPDFNL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[HGL . HGZzIs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GfD, VF[0; Z VG[VFZP8LPVF. P; [; 5|TPPPPPPHF6 DF8P  
 s\$f zL GZ[X VGP AYJfZ4 TMGL V5L, VZHL VU[p5ZGL IJUTGF CJSD wJFZf SZJFDA VFJ], IGSF, ; AA HF6 ; F~P

OLPV|DPHZLJF, F  
V[5[, ]B VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; ]T v #)5 \_\_\_)P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP5\$QZ\_! \$  
TFP\_! v\_\*v! \$

VZHNfZ ov zL GZXE. GFGHLEF. AYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] ]L . HGZ4 HPSPRFWZL sXCZ IJSF; f sJ]: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov 8LP5LPGR (4 \$# VDP5LPGR \$\$4 ZFHC\ VFZH 8LP5LPGR (4 VDP5LPGR \$#v&\$  
ZFHC\ VFZHGFADHZ %, FGGL 8LPOLPVFP %, F] GR\* 54 TFP! #q\_\*q! ! GFID<STGL  
%, FGGL DHZLGL ZHFIRöLGL4 VFSL8\$8GL IGD6\$GL4 ALPI } ; LPGL IUJZGL DFICTL  
VF5JF AFATP

; NE"ov V+GL VZHNfZGL TFP\_! q\_\*q! \$ GL ~~SMC/WZ/FAP~~/ GR 5\$QZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[H6FJJFG]S[VZHNfZGL TFP! Zq\_5q! \$ GL VZHLYL 8LP5LPGR (4 \$#  
VDP5LPGR \$\$4 ZFHC\ VFZH 8LP5LPGR (4 VDP5LPGR \$#v&\$ ZFHC\ VFZHGFADHZ %, FGGL 8LPOLPVFP%, F]GR  
\* 54 TFP! #q\_\*q! ! GFID<ST AFAT[ VFSL8\$8GL IGD6\$GL4 OFD" GR Z GFV\VALv; L 5+SFGL4 5FSLUGL4 DHZ  
%, FGGL4 ZHFIRöLGL4 VZ5F] VG[OFI Z VFYFZL8LGL VGPVFP; LP GL IUJZ[AFATGL AFWSFDG], UTL DFICTL DFUTL  
VZHL SFI "5F, S . HGZ XCZ IJSF; VIWSFZL J]: 8 hfG Dwl :Y XCZ IJSF; IJEFUG[; AFWTL VZHL SZJDF\VFJ,  
KP H[; ]8= hfGGA5+ GR; PhfGqVFZ8LVF. qHFJSq\$\$#4 TFP! #q\_5q! \$ YL IGI T ; DI VJIWDF\0%] ]L . HGZ  
J]: 8 hfG TYF ; ]8= V\$; F. hD]8 TYF RLO OFI Z IJEFUG[TANL, SZJDF\VFJ, P

VZHNfZGL ; NZ VZHL AFAT[V+GF SFI "f]+ C] /GL DFICTL AFAT[VZHNfZG[5+ GR J]: 8 hfGqVFZP8LP  
VF. P; ], Pq\$&#4 TFPZ! q\_&q! \$ YL TFPZ&q\_&q! \$ GFZF]H . g: 5\$XG SZL DFICTL D/]JFGF[5]; TFJ HFCZ DFICTL  
VIWSFZLV[SZ], P 5ZV]VZHNfZ]. g: 5\$XG SZL DFICTL D/]JF SF]. 5]f; SZ], GYLP

5ZV]VZHNfZG[SZ], 5]; TFJ ; FD[VZHNfZ[V5L, VIWSFZLG[GS, FGL DFU6L SZ], K[T]UL ZHMFT SZ],  
KP VZHNfZ 5FTFGL VZHLG\SFI "f]+G[w] FG[ZFBL , FUT NOTZG]. g: 5\$XG SZL H~IZI FT 5ZTL GS, f[D/]JL XS]  
KP Vgl YF T]UL GS, FGFpTFZF SZL XS[KP HFCZ DFICTL VIWSFZLV[DFICTLGF]: +f]T DF]F[CF] T]YL HFCZ ; XFWGFGF]  
j] I IGJFZJF VFZP8LPVF. P V\$8GL S, D \*s) f GL HFUJF. w] FG[ZFBL VZHNfZG]. g: 5\$XG SZL DFICTL RSF; 6L  
SZL D/]JF 5]; TFJ SZ], KP VZHNfZG[HFCZ DFICTL VIWSFZL TZOYL T]UL DFICTL 5ZL 5FOJFGL T]FZL NXF]J, KP  
VZHNfZ GS, f[D/]JF DFUTF CF] T]T]. g: 5\$XG SZL H~ZL GS, f[TYF T]GF pTFZF SZL DFICTLGL GS, f[D/]JL XS]  
KP HFCZ DFICTL VIWSFZLG[5]; TFJ SFI NF ; FD]; ; UT KP

CSD

VZHNFZGL TFP! Zq\_5q! \$ GL VZHLYL DFUJFDA\VEJ, DFICTL VUJ HFCZ DFICTL VIWSFZLGF  
5; TFJ VG; FZ DFICTL D/JJF VF|O; SFDSFH NZdI FG HFCZ DFICTL VIWSFZLGF|INGv\* DF; '5S"SZL T|JL DFICTL  
D/JL XS|KP HFCZ DFICTL VIWSFZLV[VZHNFZGL V|JL ZH|VFT YI|YL . g: 5\$XG 5Z\5FOL H~IZI FT 5ZTL GS, F|  
5ZL 5FOJF 0%i |L . HGZ HFCZ DFICTL VIWSFZL ZFNZ hfGG|H6FJJFDA\VEJ|KP

GRJ: 8 hMGq\VEZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V|, | VF|O; Z VG|  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG|0%i |L . HGZ4 HPS|RF|WZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNINGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|H|GL . HGZzL s5IzD hMGvZFNZfXCZ  
IJSF; PPPPPPPPHF6 TYF VD, DF8P  
s#f VF; LP GF|, VF|O; Z VG|\VEZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\$f zL GZ|X V|GP AYJFZ4 T|MIGL V5L, VZHL VU|p5ZGL IJUT|G|CSD wJFZF SZJFDA\VEJ, IGSF, ; AA  
HF6 ; F~P

OLPV|DPHZLJF, F  
V|5[, |8 VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJFOL4  
gl |ZFN|Z ZM04; |ZT v #) 5 \_\_\_)P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GR55qZ\_! \$  
TFP \_! v\_ \*v! \$

VZHNfZ ov zL GZ|XEF. GFGHLEF. AYJfZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4 HPS|PRF|WZL sXCZ IJSF; f sJ|:8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov 8LP5LPGR (4VDP5LPGR\$ (48LPOLPV|J|P|hfGq|LP5LPGRZ (545F, G5FZ  
TFP\_#q\_#q! ! YL ; |RT AFWSFDGF %, FGGL DHZLGL ZHFIRÖLGL4  
VFSL8\$8GL IGD6\$GL4 ALPI P; LPGL IJU|ZGL DFICTL VF5JF AFATP

; NE"ov V+|GL VZHNfZGL TFP\_! q\_ \*q! \$ GL SMC/WZ/FAP/ GR 55qZ\_! \$P

p5Z|ST IJQFI VG| ; NE" AFAT|H6FJJFG|S| VZHNfZGL TFP\_&q\_5q! \$ GL GFI A XCZ IJSF;  
VIWSFZL4 Dwl :Y XCZ IJSF; IJEFUG|; AF|WTL VZHL Dwl :Y SRZL BFT|VF5JFDf\VFJ|, P H|Dwl :Y SRZLGF5+  
GR; |q5\_&4 TFPZ\_q\_5q! \$ YL V+|G|IJEFUG|D/|, P HGF VG|; WFG|HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ|:8  
hfGq VFZP8LPVF. P; |, Pq\$&\$4 TFPZ! q\_&q! \$YL VZHNfZG|; |RT AFWSFDGF%, FGGL DHZLGL DFICTL SRZLGF Z\$0"  
p5Z p5, aW G CFJFGL DFICTL 5ZL 5F0JFDf\VFJ|, KP

H| VU| VZHNfZ| TFP#\_q\_&q! \$ G| Z|H DFICTL Z\$0" p5Z p5, aW GYL T| 5KL SIF OF\$| |D|8G|  
VFWFZ|VF5JFDf\VFJ|, K|T|JL ZH|MFT SZ|, KP T|JL ZH|MFT SZTL VZHL ; |8= hfG BFT|SZJFDf\VFJ|, P H|; |8=  
hfGG| 5+GR; LP; LP; LPq; |8= hfGqVfP8q\$Z! 4 TFP#\_q\_&q! \$ YL J|:8 hfG BFT| TANL, SZJFDf\VFJ|, KP  
VZHNfZGL V5L, AFAT|VZHNfZ|SIF OF\$| |D|8G|VFWFZ|DHZL VF5JFDf\VFJ|, K|T|AFAT H6FJJFG|S|NOTZL  
p5, aW G CFJFYL T|G|DHZL VF5|, K|S|GYL VF5|, T|J|Z\$0"NOTZ p5Z p5, aW GYLP VFYL DHZLGF NOTZL  
p5, aW Z\$0" G CFJFG| :5Q8 YFI KP VFZP8LPVF. P V\$8GL S, D ZF VG| ZJ D|HA NOTZL Z\$0" p5Z G|WFI|,  
p5, aW DFICTL VU|HFCZ DFICTL VIWSFZL 5F; [CFJFYL DFICTL 5ZL 5F0JFGL HFJUF. KP H|DFICTL HFCZ DFICTL  
VIWSFZL TZOYL NOTZL p5, aW G CFJFG|CSLST, 1FL DFICTL 5ZL 5F0JFDf\VFJ|, KP

C|SD

VZHNfZGL TFP\_&q\_5q! \$ GL VZHLYL DFUJFDf\VFJ|, DFICTL NOTZL VG| CSLST, 1FL DFICTL  
VZHNfZG| 5ZL 5F0JFDf\VFJ|, KP T|D KTA T|GL p5, aW AFAT|HFCZ DFICTL VIWSFZLGF| VF|0; SFDSFH  
NZIDI FG VFUF|T|Z|; DI D|/JL INGv\* Df. g:5\$XG SZL T|AFATGL T5F; SZL XS|KP VZHNfZGL VFJL ZH|MFT  
YI|YL VZHNfZG|. g:5\$XG 5Z|5F0JF 0%| |BL . HGZ HFCZ DFICTL VIWSFZL ZFNZ hfGG|H6FJJFDf\VFJ|KP

GRJ|:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP V|DP HZLJF, F f  
V|5[, |8 VF|0; Z VG|  
SFI "5F, S . HGZ s5lzD hfGvZFN|Zf  
; |ZT DCFGUZ5FI, SFP

GS, ZJFG4  
s! f HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4 HPS|PRF|WZL s5lzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|H|GL . HGZzls5lzD hMGvZFN|ZfXCZ IJSF; PPPPPHF6 TYF  
VD, DF8|  
s#f VF; LP GF|, VF|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\$F zL GZ|X V|GP AYJFZ4 T|MGL V5L, VZHL VU|p5ZGL IJUT|G|FC|SD wJFZ SZJFDf\VFJ|, IGSF, ; AA HF6 ; F-P



<p>OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI '5F, S . HGZ</p>		<p>; ]T DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; ]T v #)5 ___)P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP5&qZ\_! \$  
TFP\_! v\_\*v! \$

VZHNfZ ov zL HUNLX ZIT, F, X]S,

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZL4 VFZPHPSFI :Y sJ]:8 hMGF  
OZLI FNGL CSLST ov

IJQFI ov 8GPGR #(Vv\_)v! 5\$5v\_v\_\_! GL ID<ST CF, DfSFGAGFD[VFSFZ6L  
NOTZ[GFWFI ], K[TGF 5ZJFJGATDFD GS, FGL DFICTL VF5JF AfATP

; NE"ov V+GL VZHNfZGL TFP\_! q\_\*q! \$ GL SMC/WZ/FAP/ GR 5&qZ\_! \$P

p5ZfST IJQFI VG[; NE" AfAT[H6FJJFG)S[VZHNfZGL TFPZ#q\_5q! \$ GL VZHLYL 8GPGR  
#(Vv\_)v! 5\$5v\_v\_\_! GL ID<STGf VFSFZ6L TDFZGL DFU6L SZ], KP H[ VU[ N:TFJ]HL 5ZJFJGL 56  
DFU6L SZJFDF VEFJ], KP H[ VU[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR J]:8 hfGq VFZP8LPVF. P; ], Pq#5(4  
TFP\_)q\_&q! \$ YL DFICTL ~FP &\$qv EZL D/JJF H6FJ], KP VZHNfZ[TFP! ! q\_&q! \$ GFZFH ~FP &\$qv EZ5F.  
SZL DFICTL D/J], KP tIFZAFN D/ %, ]B CF:0Z DLGfAG 5ZDFZGf TDFZ N:TFJ]HGL hZFH GS, D/TF ~FP \$qv  
EZ5F. SZL VZHNfZ[TFPZ\_q\_&q! \$ GFZFH DFICTL D/J], P JWDf VZHNfZ[H] TDFZGL hZFH G CTL T[5FGF GU  
) GF~FP ! (qv TFP\_\$q\_\*q! \$ GFZFH EZ5F. SZLG[D/J], KP ; NZC]DFICTL D/TF VZHNfZ[TFP\_\$q\_\*q! \$ GF  
ZFH V5L, S]X, SZL NOTZ[SZJF SFI '5F, S . HGZG[D/ VZHLGL GS, ZH]SZ], KP VFD VZHNfZ[DFICTL D/L  
U. Cf] VG[V5L, NOTZ[SZJF H6FJ], Cf] P T]DGL VZHL Ufæ ZFBL V5L, VZHL NOTZ[SZJFDFVFEJ] KP

### C]SD

VZHNfZGL TFPZ#q\_5q! \$ GL VZHLYL DFUJFDF VEFJ], DFICTL VZHNfZG[ D/L U. Cf] VG[  
VZHNfZ[ V5L, S]X, SZL NOTZ[ SZJF SFI '5F, S . HGZ V5L, VIWSFZLG[ VZHL SZ], Cf] P H[ Ufæ ZFBL  
VZHNfZGL V5L, NOTZ[SZJFDFVFEJ] KP

GRJ]:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V[5[, ]B VF]0; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ]T DCFGUZ5FI, SFP

GS, ZJFGf

s! f HFCZ DFICTL VIWSFZL VG[0%] ]L . HGZ4 HPS] RFWZL sXCZ IJSF; f VG[VFSFZ6L VG[J; ], FT VIWSFZL4  
VFZPHPSFI :Y s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf VF; LP GFD, VF]0; Z VG[VFZP8LPVF. P; ], 5]TPPPPPPHF6 DF8P  
s#f zL HUINX ZIT, F, X]S, 4 T]VMGL V5L, VZHL VU[p5ZGL IJUTGfC]SD wJFZf SZJFDFVFEJ], IGSF, ; AA  
HF6 ; F~P

<p>OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; ]T DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; ]T v #)5 ___)P OMG0_Z&amp;! vZ*( &amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP5\*qZ\_! \$  
TPP\_5v\_\*v! \$

VZHNfZ ov zL DCgSI; C VP A|CDEÎ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VF], 0%l ]BL . HGZ4 sXCZ IJSF; f sJ]:8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ; PDP5FP GA; FTI| TDFD hFG EFZF WLPALP5LPV|DP; LPV\$8 ! ) \$) GL S, Dv# (&  
VgJI |, FI ; g; ZN SZJF DF8|VFIS8\$g. qHLGLI ZFG|H|GFBL; F|5F9J|, CF| T|TDFD  
GFBL; FGL 5DFI6T GS, FGL DFICTL IJUJZGL DFICTL D|]F GR ! YL 5 AFATP

; NE"ov V+|GL VZHNfZGL TPP\_5q\_\*q! \$ GL SMC/WZ/FAP/ GP 5\*qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT|H6FJJFG|S| VZHNfZGL TPPZ\*q\_5q! \$ GL DFICTL DFUTL VZHL  
HFCZ DFICTL VIWSFZL ; ]8= hFG BFT|SZJFDFVFEJ| P H|; ]8= hFG TZOYL 5+ GR; PhfGqVfZ8LVF. qHFJSq&##4  
TPPZ(q\_5q! \$ GAZFH 0%l ]BL . HGZ TDFD hFGG|TANL, SZJFDFVFEJ| P H|VU|T|VfZLGL VZHL TPPZ)q\_5q! \$  
GAZFH IGI T ; DI VJIWDFRANL, Y. G|V+|D/|, KP

VZHNfZGL ; NZ VZHL AFAT|HFCZ DFICTL VIWSFZL TZOYL DFICTL G D/TF VZHNfZ|TPP\_\$q\_\*q! \$  
GAZFH SFI "5F, S . HGZ VG[V5L, VIWSFZL ZFNZ hFGG|SF. 56 DFICTL S|IG6" D/|, GYL T|J|H6FJL 5|YD  
V5L, VZHL SZJFDFVFEJ| P V5L, NZdI FG HFCZ DFICTL VIWSFZL TZOYL VZHNfZG|5+ GR J]:8 hFGqVfZP8LP  
VF. P; |, Pq\*\_54 TPP\_\$q\_(q! \$ YL VfZP8LPVF. P SFI NFGL HFUJF. DJHA S, Dv\*s&f C9/ IJGF Dk| | DFICTL  
5ZL 5FOJFDFVFEJ|, KP VFD VZHNfZG|DFICTL 5ZL 5OFI U. CF| P V5L, VZHL VU|SF. IJXQF SFI "JFCL SZJFGL  
ZC|TL GYLP

### C|SD

VZHNfZGL TPPZ\*q\_5q! \$ GL VZHLYL DFUJFDFVFEJ|, DFICTL HFCZ DFICTL VIWSFZL TZOYL  
VZHNfZG|VfZP8LPVF. P SFI NFGL S, Dv\*s&f C9/ IJGF Dk| | DFICTL 5ZL 5FOJFDFVFEJ|, CF| P V5L, VZHL VU|  
SF. SFI "JFCL SZJFGL ZC|TL G CF| P V5L, VZHLGf|IGSF, SZJFDFVFEJ|KP

GRJ]:8 hMGqVfZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V[5[, ]B VF|O; Z VG|  
SFI "5F, S . HGZ s5IzD hFGvZFNZf  
; ]T DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[VF], 0%l ]BL . HGZ s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|HGL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6  
TYF VD, DF8P

s#f VF; LP GF, VF|O; Z VG|VfZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P

s\$f zL DCgSI; C VP A|CDEÎ ccSFITWD"VBAFZcc4 T|VMGL V5L, VZHL VU|p5ZGL IJUTG|C|SD wJFZF SZJFDFV  
FEJ|, IGSF, ; AA HF6 ; F~P

<p>OLPV DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; [ZT DCFGUZ5FI, SF 5lüD hMG sZFN[Zf OFPAF, F; FCJA N[UZ; ZMO4 TFOJFOL4 gl ]ZFNZ ZMO4; [ZT v #)5 ___)P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G~~PSMC~~/~~WZ~~/~~FAP~~/GP5 (qZ\_! \$  
TFP! \_v\_\*v! \$

VZHNfZ ov zL ; [Z[X V[DP 58],

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ VF[, 0%l [BL . HGZ sXCZ IJSF; f sJ; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ovU]HZFT ; ZSFZzL TZOYL UZSFI N[; Z AFWSFD[SF] N[; Z SZJFGL VITD  
TFPZ (q\_#q! ! GSSL SZJFDA VFJ[, CF[ TGFAVG]; WFGDA; PDP5FP GAXCZ IJSF;  
IJEFU VG[Dwl :Y XCZ IJSF; IJEFU TZOYL DHZ %, FG JUZGRAAFWSFD[  
. d5[8DA; DFJX SZL XSFI T[GL DFICTL VF5JF AFATP

; NE"ov V+[GL VZHNfZGL TFP! \_q\_\*q! \$ GL ~~SMC~~/~~WZ~~/~~FAP~~/ GR 5 (qZ\_! \$P

p5Z[ST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFP\_5q\_5q! \$ GL VZHL HFCZ  
DFICTL VIWSFZL ; [8= hfGG[ ; AF[WL ; [8= hfG BFT[ SZJFDA VFJ[, P H[ ; [8= hfG TZOYL  
5+GR; PhfGqVFZ8LVF. qHFJSq #(\$4 TFP\_\*q\_5q! \$ YL TDFD hfG VG[ GF] A XCZ IJSF; VIWSFZLzL4  
Dwl :Y XCZ IJSF; IJEFUG[TANL, YI[, KP HGFAVG]; WFG[V+YL 5+ GRJ; 8hfGqVFZP8LPVF. P; [, PqZ) &4  
TFPZ (q\_5q! \$ YL VZHNfZG[ DFICTL 5ZL 5FOJF IGI T ; DI VJIWDA~FP\$\_qv EZ5F. SZL GS, D[JJF TYF  
DFICTL JA; F. 8 5Z p5, aW CFJFG]H6FJ[, KP

VZHNfZ[TFP\_\*q\_\*q! \$ GFAZFH 0%l [BL SIDxGZsHGPF VG[V5L, VIWSFZLzLG[; AF[WTL VZHL  
; [8= hfG BFT[ SZJFDA VFJ[, P H[; [8= hfGGA 5+ ; LPhDqVFZ8LVF. qVfP8qGR! \_(Z4 TFP\_)q\_\*q! \$ YL  
SFI "5F, S . HGZ VG[ V5L, VIWSFZL ZFNZ hfGG[ TANL, SZJFDA VFJ[, P VZHNfZGL V5L, DA IGIN08  
; DI UF/FDA D/[ , 5]TEFJYL GFZFH Y. V5L, VZHL SZJFDA VFJ[, P HDA V+[GA hfGG[ , FUTF[ V5L, GF  
Dj]F GR 5 DADFICTL 5ZL 5FOJFGF 5+Gf[p<, [B SZ[, KP HDA VZHNfZ[Dj]F GR Z VG[# AFAT[ZH]MFT SZ[, KP  
HDA D]F GR Z DA VFPGR! ! &4 TFP! \*q\_5q! \$ Dwl :Y XCZ IJSF; IJEFUG[DFICTL 5+ KP H[V5L, VIWSFZL  
XCZ IJSF; VIWSFZLGF[ KP TYF Dj]F GR # DA VFPGR! # \$4 TFPZ&q\_5q! \$ GF] 5+ HFCZ DFICTL VIWSFZL VG[  
0%l [BL . HGZ JZFKF hfGG[ KP VFYL T[ V5L, V+[GA SFI "f[+ C9/GL ZC[TL GYIP T[DH V5L, H[ T[ hfGG[  
TANL, YI[, CFJFYL V+[SF]. SFI "JFCL SZJFGL ZC[TL GYIP V+[GA hfG AFAT[SF]. V5L, GF[Dj]F ZC[TH[GYL T[  
KTA VZHNfZG[~FP\$\_qv EZ5F. SZL DFICTL D[JJF H6FJ[, KP H[HFCZ DFICTL VIWSFZLGF] NZBF: T DJHA  
GF6AEZ5F. SZL DFICTL D[JJF :JT+ KP

CSD

VZHNFZGL TFP\_5q\_5q! \$ GL VZHLYL DFUJFDF\VFJ, DFICTL HFCZ DFICTL VIWSFZL TZOYL  
IGIT ; DI VJIWDA GF6A EZ5F. SZL NZBF:T SZ, CF| P VZHNFZ . rK\$ CF| TF| NZBF:T VG; FZ GF6A  
EZ5F. SZL DFICTL D|JJF :JT+ KP

GRJ: 8 hMGq\VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s 0LP VDP HZLJF, F f  
V5, B VF|0; Z VG|  
SFI 5F, S . HGZ s5IzD hfGvZFNZF  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG|VF, 0%| BL . HGZ s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG|H|GL . HGZzL s5IzD hMGvZFNZFXCZ IJSF; PPPPPHF6  
TYF VD, DF8P  
s#f VF; LP GF0, VF|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\$f zL ; ZX VDP 58, 4 T|MG| V5L, VZHL VU|p5ZGL IJUT|GFCSD wJFZF SZJFDF\VFJ, IGSF, ; AA HF6  
; F~P

OLPV|DPHZLJF, F  
V[5[, ]B VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5lÜD hMG sZFN]zf  
OFPAF, F; FCJA N]JZ; ZM04 TFOJFOL4  
gl ]ZFN]Z ZM04; ]T v #)5 \_\_\_)P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP/GP5</sup>)qZ\_! \$  
TFP ! ! v\_\*v! \$

VZHNfZ ov zL :J%GL, ; F]GL

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VM, 0%l ]BL . HGZsXCZ IJSF; f sJ]; 8 hMGF

OZLI FNGL CSLST ov

IJOFI ov ; ]T XCZGL VNZ TFP\_! q\_! q! \_ YL TFP\_! q\_5q! \$ ; WLDASB, F SFDXL" ,  
VG[UZSFI N]; Z AFWSDF[YI], K]T]GL GFD ; ZGDFD ; ICTGL IJUTJFZ DFICTL  
D]; F GR! YL 5 AFATP

; NE"ov V+GL VZHNfZGL TFP! ! q\_\*q! \$ GL SMC/WZ/FAP/ GR 5)qZ\_! \$P

p5ZFST IJOFI VG[; NE" AFAT[ H6FJJFG]S[VZHNfZGL TFP\_#q\_5q! \$ GL VZHL dI P  
SIDXGZzL VG[ HFCZ DFICTL VIWSFZLG[; AFWTL DwI :Y SRZL BFT[ SZJFDA VEFJ, P H[ DwI :Y SRZLGA  
HFCZ DFICTL VIWSFZL TZOYL 5+ GR ; L q \$) Z4 TFP! )q\_5q! \$ YL 0%l ]BL . HGZ TDFD hFG VG[GFI A  
XCZ IJSF; VIWSFZLzL4 DwI :Y XCZ IJSF; IJEFUG[TANL, SZJFDA VEFJ, P

p5ZFST IJOFI AFAT[VZHNfZ] TFP\_! q\_! q! \_ YL TFP\_! q\_5q! \$ ; WLDASB, F SFDXL" ,  
VG[UZSFI N]; Z AFWSDF[ AFAT[D]; F GR ! YL 5 GL DFICTL DFUTL VZHL SZ, P H[GA VG; WFG[ V+GA  
hFGGL DFICTL 5+ GRJ]; 8 hFGqVFP8LPVF. P; ], Pq\$&&4 TFPZ#q\_&q! \$ YL VZHNfZG[5ZL 5FOJFDA VEFJ, P

H[VU[VZHNfZ[V5L, SFZ6 HJFA D/] GYL T]H6FJL TFP\_\*q\_&q! \$ GAZFH dI P  
SIDXGZzL VG[ V5L, VIWSFZLzLG[; AFML 5YD V5L, VZHL DwI :Y SRZL BFT[ SZJFDA VEFJ, PH[  
DwI :Y SRZL TZOYL 5+ GR ; lq! \_) \*4 TFP\_5q\_\*q! \$ YL SFI "5F, S . HGZ VG[V5L, VIWSFZL TDFD hFG  
VG[XCZ IJSF; VIWSFZLzL4 DwI :Y XCZ IJSF; IJEFUG[TANL, YI], KP

VZHNfZ[V5L, DA ; VFQSFZS HJFA D/] GYL 5ZT]S. DFICTL AFAT[SI F 51F AFAT[  
; VFQSFZS HJFA D/] GYL T[VU[SF. 5]TF V5L, 5+DA SZ, GYLP V+GA hFG EFZF HFCZ DFICTL  
VIWSFZL TZOYL VZHNfZG[D]; F GR Z4# VG[5 GL DFICTL 5ZL 5FOJFDA VEFJ, KP HI FZ[D]; F GR ! VG[  
VXT0 \$ GL DFICTL IJXF/ CFJFYL . g:5\$XG SZL DFICTL D/]JF H6FJ, KP H[VU[VZHNfZ]. g:5\$XG  
SZL DFICTL D/]J, GYLP VFYL VZHNfZ . rK\$ CF] T[D]; F GR ! VG[VXT0 \$ AFAT[. g:5\$XG SZL  
DFICTL D/]JF :JT+ KP

CSD

VZHNFZGL TFP\_#q\_5q! \$ GL VZHLYL DFUJFDA VFJL DFICTL 5SL Djf GR ! VG[  
VXT0 \$ AFAT[ VFQ0; SFDSFH NZIDIFG HFCZ DFICTL VIWSFZLGF[ VFUFITZF; DI D/JL INGv\* DfA  
. g: 5\$XG SZL DFICTL D/JJF :JT+ KP VZHNFZGL VFJL ZHMFT YIYL VZHNFZG[0%l BL . HGZ VG[  
HFCZ DFICTL VIWSFZLV[SZL NZBF: T DHA . g: 5\$XG IJGF DkI [5Z]5F0JF H6EJJFDAVFJ[KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V5l, B VFQ0; Z VG[  
SFI 5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[VM, 0%l BL . HGZ s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXFCZ IJSE; PPPPPHF6  
TYF VD, DF8P  
s#f VF; LP GFD, VFQ0; Z VG[VFZP8LPVF. P; l, 5]TPPPPPPHF6 DF8P  
s\$f zL :J%GL, ; FGL4 T[M]GL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDAVFJL IGSF, ; AA HF6 ; F~P

OLPV|DPHZLJF, F  
V[5[, ]B VMOL; Z VG[  
SFI "5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf4  
OFPAF, F; FCJA N]JZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; ]ZT v #)5 \_\_\_)P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP/GR&\_v&! qZ\_!</sup> \$  
TP! 5v\_\*v! \$

VZHNfZ ov zL IJJ\$ DUJEF. 58,

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ4 JLPVP DFNL sXCZ IJSF; f sJ]: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ovV0FH6 IJ: TFZDA8LP5LPGR#! 4%, ]B GR! 5! 4CZLVFD GUZGAFSFDG %, ]BGL  
HuI FDAVHF6 jI IST wJZF ; ]: ]PGL 5ZJFGUL JUZ UZSFI N]; Z ZLT[  
5TZFG[XD AFW], K[H[NZ SZJF AFATP

; NE"ovV+GL VZHNfZGL TP! ! q\_\*q! \$GL <sup>SMC/WZ/FAP/GR&\_v&! qZ\_!</sup> \$P

p5ZFST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TP! ! q\_#q! \$ GAFZH 5F[TFGL  
; ]: ]P GAFSFDG %, ]BDA NAF6 N]Z SZJF AFAT[ VF5[, L VZHL VU[ TP\_)q\_5q! \$ GAFZH X]SFI "JFCL  
SZJFDA VFJL T[ VU[ DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL ZFNZ hFGG[ SZJFDA VFJ], P HGFA  
V4G]; WFG[HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ TZOYL 5+ GRJ]: 8 hFGqVFP8LPVF. P; ], Pq#Z5 VG[  
#Z&4 TP\_#q\_&q! \$ YL IGI T ; DI VJIWDA SRZLGA Z\$0GL RSF; 6L SZTA ; NZ DFICTL Z\$0" p5Z  
p5, aW H6FTL GYL T]L CSLST, 1FL DFICTL VZHNfZG[5ZL 5F0JFDA VFJ], KP

H[ VU[ VZHNfZ[ TP! 5q\_\*q! \$ GAFZH SFI "5F, S . HGZzL VG[ V5L, VIWSFZLZLG[  
D/] F 5]TEFJYL GFZH Y. 5YD V5L, VZHL SZ], KP ; ZBL IJUTGL V\$ H VZHL A[ JFZ SZJFDA  
VFJ], K[ T]PH TGL V5L, 56 A[ JFZ SZJFDA VFJ], KP T]YL AG[ V5L, G] HFP6 SZJFDA VFJ], KP  
V5L, DA VZHNfZ[ Z\$0" p5Z p5, aW H6FTL GYL T]L H6FJL DFICTLGF[. gSFZ SZ], K[ T]L]JFICI FT VG[  
BFB] SFZ6 VF%I ] CF]FGL ZHMFT SZ], KP VFZP8LPVF. P V\$8GL S, D ZF VG[ ZJ D]HA HFCZ DFICTL  
VIWSFZL 5F; ]GL NOTZL p5, aW DFICTL 5ZL 5F0JFGL HF]JF. KP H[D]HA HFCZ DFICTL VIWSFZLV[IGI T  
; DI VJIWDA VZHNfZG[ DFICTL 5ZL 5F0JFDA VFJ], KP VFD DFICTL ; NE[V5L, TASS[SF]. SFI "JFCL  
SZJFGL ZC]TL GYLP VZHNfZGL VZHL VG[ZHMFT wI FG[, [TATDGF[51F ; FDGL SMDG %, ]BDAVHF6 jI IST  
wJZF UZSFI N]; Z AFWSFD AFATGFA UZSFI N]; Z 5TZFGAXD AFWL TSZFZ AFATGF[KP H[TSZFZ IGJFZ6GA  
; 1FD VIWSFZLG[ZHMFT SZJFGL ZC]KP

CSD

VZHNFZGL TFP\_)q\_5q! \$ GL VZHLYL DFUJFDA VFJ, DFICTL NOTZL p5, aW  
CSLST, 1FL DFICTL HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI VJIWDAVZHNFZG[5ZL 5F0JFDAVFJ, KP  
TYL V5L, VZHL VU[SF. SFI JFCL SZJFGL ZC[TL GYL VG[V5L, VZHL NOTZ[SZJFDAVFJ[KP

VZHNFZ TPGL VZHLDL TSZFZGA 51F AFAT[ TSZFE IGJFZ6 ; 1FD VIWSFZLG[ TPGL  
ZHMFT SZJF :JT+ KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V5, B VF[0; Z VG[  
SFI 5F, S . HGZ s5IzD hfGvZFNzf  
; ZT DCFGUZ5FI, SFP

GS, ZJFGF4

s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4 JLPVP DFNL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
SZF DNNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[HJGL . HGZzL s5IzD hMGvZFNzfXCZ IJSE; PPPPHF6  
TYF VD, DF8P

s#f VF; LP GFD, VF[0; Z VG[VFZP8LPVF. P; [ 5]TTPPPPPPHF6 DF8P

s\$f zL IJJ\$ DUJEF. 58, 4 T[MGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJZF SZJFDAVFJ, IGSF, ; AA HF6 ; F~P



OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ		; ]T DCFGUZ5FI, SF 5lÜD hMG sZFN]Zf OFPAF, F; FC]A N]JZ; ZM04 TFOJFOL4 g  ]ZFN]Z ZM04; ]T v #)5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
---	---	--

V5L, VZHL G**PSMC/WZ/FAP**/GR&ZqZ\_! \$  
 TFP Z#v\_\*v! \$

VZHNfZ ov zL DCq\$!; C VP A]CDEI

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VF[, 0%l ]BL . HGZ4 sXCZ IJSF; f sJ]:8 hMGf

OZLI FNGL CSLST ov

IJOFI ov VGPVP DHZL JUZ ZHFIRölqAFWSFD 5ZJFGUL G VF5JL T]F[5ZL5+ DC[ ]; IJEFU  
 U]HZFT ; ZSFZ EFZF HFZL SZFI F[CTF[T]GL 5DFI6T GS, GL DFICTL IJUZ]GL DFICTL D]f  
 GR ! YL \$ AFATP

; NE"ov V+GL VZHNfZGL TFPZ#q\_\*q! \$ GL **SMC/WZ/FAP**/ GR &ZqZ\_! \$P

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP\_Zq\_&q! \$ GFZFH HFCZ DFICTL VIWSFZL  
 VG[HG; '5S"VIWSFZL 8]S, ]8Z SRZL4 HL<, F ; ]F ; NGvZ BFT[VGPVP DHZL JUZ ZHFIRölqAFWSFD 5ZJFGUL G  
 VF5JL T]F[5ZL5+ DC[ ]; IJEFU TYF T[VU]; ]WITSGL VFODF]B]F]AFWSFDGF]5ZL5+GF]EU YI F[CF] T[VU]  
 D]f GR ! YL \$ GL DFICTL DFUTL VZHL SZJDF]VFJ], P H[HFCZ DFICTL VIWSFZL VG[HG; '5S"VIWSFZL 8]S, ]8Z  
 SRZL TZOYL 5+ GR5LVFZVF]VFZ8LVF. qZHLGR&()q! \$4 TFP\_&q\_&q! \$ YL HFCZ DFICTL VIWSFZL VG[dI]GI; 5,  
 SIDXZzLG[IGI T ; DI VJIWDF]TANL, SZJDF]VFJ], KP H[dI]GI; 5, SIDXZzL SRZL BFT]YL HFCZ DFICTL  
 VIWSFZL VG[5]YD z]6L S, FS"TZOYL 5+ GR; lq(Z&4TFP! \*q\_&q! \$ YL 0%l ]BL . HGZ TDFD hf]G VG[Dwl :Y XCZ  
 IJSF; G]TANL, SZJDF]VFJ], P

VZHNfZGL ; NZ VZHL AFAT[HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ TZOYL 5+ GR J]:8 hf]Gq  
 VFZP8LPVF. P; ] Pq5 (\_4 TFP! 5q\_\*q! \$ YL IGI T ; DI VJIWDF]VZHNfZG[DFICTL 5ZL 5FOJDF]VFJ], KP H[VU]  
 VZHNfZG[D/] IG6"YL GFZFH Y. 5]YD V5L, VZHL SZ], KP H]DF]VZHNfZ[HF6L HF] G[DFICTL K]F]JL CF]JGF  
 SFZ6F]T]DH ; NZ hf]GDF]VGPVP JUZ H ; ]WATS DHZL VF5], AFWSDF]VU[D]f GR ! YL \$ GL DFICTL K]F]JL  
 CF]JGL ZH]MFT SZL S8FZLI F JSXF]5G]8]5ZZL :8SRZGL ZH]MFT SZ], KP T]DH XCZ IJSF; IJEFUG]VIWSFZLVF]  
 TZOGF VF]F]F]SZ], KP VFD VZHNfZ[V5L, DF]SZ], ZH]MFT D]/ VZHL]YL V, F]NL SZ], KP VZHNfZGL D]/  
 VZHLDF]VGPVP 5IZ5+GF]EU AFAT[SIDXGZ VG[S, ]8ZzLGL SFI"JFCL VU] VG[AFWSFD CF, :YF]L VG[NOTZL  
 GF]W VG[Gf]BLUZL5F]B]GL DFU6L SZ], KP H[VZHNfZG[VFZP8LPVF. P V]8GL S, D ZF VG[ZJ D]HA NOTZL Z]S"  
 p5Z p5, aW G CF]JGL DFICTL 5ZL 5FO], KP VFD VZHNfZG[5H]TFGL VZHL ; NE[DFICTL 5ZL 5FOJDF]VFJ], KP  
 T]D KTA VZHNfZ . rK]S CF] T]F HFCZ DFICTL VIWSFZLGF]~A~ ; '5S"SZL D]/ VZHLGF]SFI"1f+ ; NE[. g:5]SXG  
 SZL XS[KP

CJSD

VZHNfZGL TFP\_Zq\_&q! \$ GL VZHLYL DFUJFDfVfJl, DFICTL 5\$L DljF GR Z4 # VG[\$ AfATl  
OIZl FN CSLST H6fJL lJUTl HfCZ DFICTL VIWSfZLGF[ Vf]O; SFDSFH NZIDL FG VfUF[TZF[ ; DI D/JL . g:5\$XG  
SZL BfTZL SZL XS[KP

VZHNfZ V5L, TASS[D/J VZHLYL V, Flnl OIZl FN CSLSTG[ , UTL lJUTf[ AfATl ; 1FD ; tTFG  
ZH}MFT SZJf :JT+ KP

GRJl:8 hMGqVfZP8LPVf. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJf, f f  
V5l, B Vf]O; Z VGl  
SfI '5f, S . HGZ s5lzd hfGvZFNZf  
; ZT DCFGUZ5fI, SfP

GS, ZJfGf4

s! f HfCZ DFICTL VIWSfZL VG[Vf, O%l B. HGZ s5lzd hMGfPPPPPHf6 Tyf VD, DF8P  
szf DNNGlX HfCZ DFICTL VIWSfZL Vf; lP . HGZzl VG[HGL . HGZzls5lzd hMGvZFNZfXCZ lJSf; PPPPPHf6  
Tyf VD, DF8P

s#f Vf; lP GfD, Vf]O; Z VG[VfZP8LPVf. P; l, 5lTPPPPPPHf6 DF8P

s\$f zl DCj\$; C Vp AÇDEÎ T}MGL V5L, VZHL VUlp5ZGL lJUTGfC\$D wJfZf SZJFDfVfJl, lGSf, ; AA Hf6 ; f~P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[UZ; ZMO4 TFOJFOL4  
gl ] ZFN[Z ZMO4; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP</sup>/GP&#qZ\_! \$  
TFP#! v\_\*v! \$

VZHNfZ ov zL GZ[XEF. GFGHLEF. AYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ4 OLPJLPRF[WZL sXCZ IJSF; f VG[  
VFSFZ6L VG[J; ], FT VIWSFZL4 VFZPHPSFI : Y SJ: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov ID<ST AU, F GR! 4JFQ"GR! 54; UGF SIMVIMPCfpI; U ; M; FI 8L ; F; FP4  
GJl]U SF, HGL 5F; [XF`JT IA<OLUG)\$ DFF/G\AFWSFDDA; [D8L8\$ VG[  
U8ZGF 5F. 5 , F[B0vAL0 VYJF ; LDj8GF JF5I F"VUJL DFICTL AFATP

; NE"ov V+GL VZHNfZGL TFP#! q\_\*q! \$ GL <sup>SMC/WZ/FAP</sup>/ GR&#qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZGL TFPZ&q\_&q! \$ GL VZHLYL  
VZHNfZ[ID, ST GMW GRAU, F GR! 4 JMO"GR! 5 ; UGF SIMVIMPCfpI; U ; M; FI 8L4 GJl]U SM, HGL , F. GDF4  
ZFNZ ZMO 5Z VFJl, XF`JT IA<OLUF4 ZFNZ ZMOGF AFWSFD AFAT[ ZHFIRól4 %, FG IJUJ[ AFATGL DFICTL  
DFUTL VZHL ; [ZT DCFGUZ5FI, SFGL DwI :Y SRZL BFT[ SZJFDA VFJl, P HGF VG; WFG[ HFCZ DFICTL  
VIWSFZL DwI :Y SRZL wJFZF GR; lq! ! ) \*4 TFP! ! q\_\*q! \$YL OP. HGZ ZFNZ hMG4 8fpG %, FGLU BFTF VG[  
OFI Z VG[ . DZHq; L ; IJ"; IJEFUG[ TANL, SZJFDA VFJl, P HGF VG; WFG[ V+YL VZHNfZG[  
GRJl: 8hMGqVFZP8LPVF. P; [, q&#! 4 TFPZ5q\_\*q! \$ YL p5, aW Z\$OGL RSF; 6L SZTF DFICTL p5, aW G  
CMJFG\XCZ IJSF; TZOYL H6FJl, KP HIFZlJl: 8 hMG VFSFZ6L IJEFU TZOYL GRVFZP8LPVF. P; [, q&#) 4  
TFP#! q\_\*q! \$ YL IGI T ; DI VJIWDA DFICTL 5ZL 5FOJFDA VFJl, KP H[VU[VZHNfZ[TFP#\_q\_\*q! \$GF  
ZMH SM. 56 HFTGM 5tllj; Z G VF5L 5YD V5L, VZHL DwI :Y SRZL BFT[ SZJFDA VFJl, KP H[DwI :Y  
SRZL wJFZF GROLq\$! 5\$4 TFP#\_q\_\*q! \$GF ZMH TANL, SZJFDA VFJl, K[TU]H6FJl, KP H[VU[V+GF AG[  
HFCZ DFICTL VIWSFZL TZOYL VZHNfZG[ IGI T ; DI VJIWDA NOTZL p5, aW CSLST, 1FL DFICTL 5ZL  
5FOl, KP

VZHNfZ[TFP#\_q\_\*q! \$GF ZMH 5YD V5L, VZHL SZl, KP H[V5L, NZdl FG VZHNfZG[  
TFP#! q\_\*q! \$YL DFICTL VF5JFDA VFJl, K[ TPDH VFPGR\*#! 4 TFP\_(q\_\*q! \$YL VZHNfZG[ GS, MGL  
IJUTM 56 5ZL 5FOl, KP VFD V5L, NZdl FG HFCZ DFICTL VIWSFZLG[ DFICTL 5ZL 5FOl, CMI V5L,  
VZHL VU[SM. IJXQF SFI "JFCL SZJFGL ZC[TL GYLP

VZHNfZ[TFP! )q\_(q! \$ G\ZFH V5L, NZdl FG VF5l, L DFICTLGF SFU/F; FY[ E]p8FRFZ  
VG[SFEFO HJF VF1F5FGL ZHMFT SZl, KP 5ZT]T[VU[DFICTL AFAT[SF. ZHMFT ZC, GYLP VFD TDFD  
; W/L CSLST HFT[VZHNfZG[DFICTL 5ZL 5FOJFDA VFJl, CFJFYL V5L, VZHL VU[SF. IJXQF SFI "JFCL  
SZJFGL ZC[TL GYLP V5L, D\SF. OIZI FN AFAT[; 1FD ; tTFG[V, FI NL ZHMFT SZJF VZHNfZ :JT+ KP

CJSD

VZHNFZGL TFPZ&q\_&q! \$ GL VZHLYL DFUJFDA VFJ[, DFICTL NOTZL p5, aW  
CSLST, 1FL DFICTL HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI VJIWDAVZHNFZG[5ZL 5F0JFDAVFJ[, KP  
TYL V5L, VZHL VU[SF[. SFI JFCL SZJFGL ZC[TL GYL VG[V5L, VZHL NOTZ[SZJFDAVFJ[KP

VZHNFZ TPDGL VZHILDA TSZFZGA 51F AFAT[ TSZFZ IGJFZ6 ; 1FD VIWSFZLG[ TPDGL  
ZHMFT SZJF :JTA+ KP

GRJ[: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V5[, B VF[0; Z VG[  
SFI 5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4 OLPJLPRFWZL VG[VFSFZ6L VG[J; ], FT VIWSFZL4 VFZPHPSFI : Y

s5IzD hMGfPPPPPHF6 TYF VD, DF8P

sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPHF6

TYF VD, DF8P

s#f VF; LP GFD, VF[0; Z VG[VFZP8LPVF. P; [, 5]TPPPPPHF6 DF8P

s\$f zL GZX VGP AYJFZ4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDAVFJ[, IGsf, ; AA HF6 ; F~P

OLPVDPHZLJF, F  
V5[, B VMOL; Z VG  
SFI '5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJF0L4  
gl J ZFNZ ZM04; ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPCSMC/WZ/FAP/GR&5qZ\_! \$  
TFP\_! v\_(v! \$

VZHNfZ ov zL ZD\XR§ . `JZ, F, F UFZ; FJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG(0%I )BL . HGZ4 OLPJLPRF\WZL sXCZ IJSF; f sJ; 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov VF5ZLGF SFI "f+ C9/GF ZFNZ UFDT / IJ: TFZDA8LSF GR\*4 GF\W GR! Z&  
JF/L ID<ST BFT[ZC6FS 5SFZGAVFJUGF. hZfA IA<OZHfEFZF SZJFDAVEJL  
ZC, F UZSFI N; Z AFWSFD VUJL DFICTL D;f GR ! YL ! \_ AFATP

; NE"ov V+GL VZHNfZGL TFP\_! q\_(q! \$ GL SMC/WZ/FAP/ GR&5qZ\_! \$P

p5ZFST IJQFI VG; NE" AFAT[H6FJJFG\ S] VZHNfZGL TFPZ(q\_5q! \$ GL VZHL AFAT[  
ZFNZ UFDT / IJ: TFZDA8LSF GR\*4 GF\W GR! Z& JF/L ID<STGAVZSFI N; Z AFWSFD AFAT[D;f GR ! YL ! \_  
GL DFICTL DFUTL VZHL SZJFDA VEJ, P H[ HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ; 8  
hFGqVFP8LPVF. P; , Pq#5\_ TFP\_\*q\_&q! \$ YL IGI T ; DI VJIWDA5ZL 5FOJFDAVEJ, KP TDH GS, FI  
AFAT[GF6AEZL DFICTL D/JJFG[5]:TFJ SZ, KP H[VU[VZHNfZ]TFPZ&q\_&q! \$ GAZFH ~FP Z4! #&qv  
EZ5F. SZL DFICTL D/J, KP VFD VZHNfZ[HFCZ DFICTL VIWSFZLGF5]:TFJ VG; FZ DFICTL D/J, KP

VZHNfZGL TFP\_! q\_(q! \$ GAZFH zL OLPVDPHZLJF, F4 V5L, VIWSFZL VG[ SFI '5F, S  
. HGZzLGI IGI T GDGF GIC 5+ :J~5[V5L, VZHL SZ, P HDAVZHNfZ[VF5, DFICTLDA GFBL SZJFDA  
VEJ, GYL4 ; CL SZ, GYL4 VGPVFP; LP OFDDAIJUT VMZL K\ OFFSI D;8; 5Z DFI, SGL ; CL GYL4 DF5GA  
VFSOFGI GS, fA[K\ SFI "JFCL NXF"J, GYL4 DFHL'G KFDJFDA VEJ, GYL4 SJO"SZJFDA VEJ, GYL IJUZI  
ZHMFT SZ, KP VFP8LPVF. P SFI NFGL S, D \*s) f DJHA DFICTL H[:J~5[VG[H[:YITDA]p5, aW CFI T]  
DFICTL 5ZL 5FOJFGL HFJJF. KP VFYL VZHNfZ[V5L, DRSZ, ZHMFT SFI NF ; FY[ ; ] UT GYLP VZHNfZ]  
ID<STGL :Y/ T5F; SZJL DFICTL 5ZL 5FOJFGL ZHMFT SZ, KP VFP8LPVF. P SFI NFGL S, D ZF VG[ZJ  
DJHA HFCZ DFICTL VIWSFZL 5F; GL V+I NOTZL p5, aW DFICTL 5ZL 5FOJFGL HFJJF. KP VFYL  
VZHNfZGL VEJL ZHMFT SFI NFGL HFJJF. VF[ ; FY[ ; ] UT GYLP VZHNfZ] AFWSFD AW SZJF VU]  
SFI N; ZGL SFI "JFCL VU[IX1fftDS 5U, AAFAT[SFI "JFCLG[, FUTF[5] G CFI ; 1FD ; tTFG[V, FI NL ZHMFT  
SZJFGL ZC]KP



OLPV DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA N JZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; [ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL GP**SMC/WZ/FAP**/GP&qZ\_! \$  
 TFP\_! v\_(v! \$

VZHNfZ ov zL ZD[R\$ . `JZ, F, F UFZ; FJF/F  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%| ]BL . HGZ4 OLPJLPRF[WZL sXCZ IJSF; f sJ[: 8 hMGF  
 OZLI FNGL CSLST ov

IJQFI ov VF5zLGF SFI "f+ C|/GF ZFNZ UFDT / IJ: TFZDA8LSF GR! 4GFW GR (#  
 JF/L ID<ST BFT[ZC]6FS 5SFZGAVF|UJGf. hZf| IA<0ZF|EFZF SZJFDAVFEJL  
 ZC| F UZSFI N|; Z AFWSFD VUJGL DFICTL D|]f GR ! YL ! ! AFATP

; "NE"ov V+|GL VZHNfZGL TFP\_! q\_(q! \$ GL **SMC/WZ/FAP**/ GR&qZ\_! \$P

p5ZfST IJQFI VG[; "NE"AFAT[H6FJJFG]S[VZHNfZGL TFPZ(q\_5q! \$ GL VZHL AFAT[ZFNZ UFDT /  
 IJ: TFZDA8LSF GR! 4 GFW GR (# JF/L ID<STGAVZSFI N|; Z AFWSFD AFAT[D|]f GR ! YL ! ! GL DFICTL DFUTL VZHL  
 SZJFDA VFEJ, P H| HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ[: 8 hfGqVfZP8LPVF. P; |, Pq#\*\$ TFP\_\*q\_&q! \$ YL IGI T  
 ; DI VJIWDA5ZL 5FOJFDAVFEJ, KP T|DH GS, f|AFAT[G6FAEZL DFICTL D|/JJFG]5:TFJ SZ|, KP H[VU[VZHNfZ  
 TFPZ&q\_&q! \$ GAZFH ~FP () (qv EZ5F. SZL DFICTL D|/J|, KP VFD VZHNfZ[HFCZ DFICTL VIWSFZLGA5:TFJ  
 VG; FZ DFICTL D|/J|, KP

VZHNfZG[TFP\_! q\_(q! \$ GAZFH zL OLPV|DPHZLJF, f4 V5L, VIWSFZL VG[SFI "5F, S . HGZzLIG[IGI T  
 GD]G GIC 5+ :J~5[V5L, VZHL SZ|, P H|DAVZHNfZ[V5L, DFICTLDAFG]ZL SZJFDA VFEJ, GYL4 ; CL SZ|, GYL4  
 VGPVFP; IP OFPDAIJUT VMZL K| OFS| D]8; 5Z DFI, SGL ; CL GYL4 DF5GAVFS0FGL GS, f|A|K| SFI "JFCL NXFJ|,  
 GYL4 DFHLG KP]JFDAVFEJ, GYL4 SJ0"SZJFDAVFEJ, GYL IJUZ[ZH]MFT SZ|, KP VZP8LPVF. P SFI NFGL S, D \*s)f  
 D]HA DFICTL H[: J~5[VG[H[: YITDAp5, aW CFI T[DFICTL 5ZL 5FOJFGL HFUJF. KP VFYL VZHNfZ[V5L, DfASZ|,  
 ZH]MFT SFI NF ; FY[ ; ] UT GYLP VZHNfZ[ ID<STGL :Y/ T5F; SZFJGL DFICTL 5ZL 5FOJFGL ZH]MFT SZ|, KP  
 VZP8LPVF. P SFI NFGL S, D ZF VG[ZJ D]HA HFCZ DFICTL VIWSFZL 5F; GL V+[NOTZL p5, aW DFICTL 5ZL 5FOJFGL  
 HFUJF. KP VFYL VZHNfZGL VFEJL ZH]MFT SFI NFGL HFUJF. VF[; FY[ ; ] UT GYLP VZHNfZ[AFWSFD AW SZFJJF VUJ  
 SFI N|; ZGL SFI "JFCL VUJ|IX1ff+DS 5U, f|AFAT[SFI "JFCLG|, FUTH]5]G CFI ; 1FD ; tTFG[V, FI NL ZH]MFT SZJFGL ZC|  
 KP

CJSD

VZHNfZGL TFPZ(q\_5q! \$ GL VZHLYL DFUJFDA VFEJ, DFICTL 5ZL 5FO|, CFI P V5L, VZHL VUJ  
 SF. IJX]F SFI "JFCL SZJFGL ZC|TL G CFI P V5L, VZHL NOTZ[SZJFDAVFEJ]KP

VZHNfZ UZSFI N|; Z AFWSFD V8SFJJF AFAT[SZ| L ZH]MFT SFI "JFCLG|, UTL CFI V[; 1FD ; tTFG|  
 ZH]MFT SZJF :JT+ KP

GRJ[: 8 hMGqVfZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

s OLP V|DP HZLJF, F f  
 V[5[, [B VFI0; Z VG[  
 SFI "5F, S . HGZ s5lzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[0%| ]BL . HGZ4 OLPJLPRF[WZL s5lzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; IP . HGZzL VG[H]GL . HGZzLs5lzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#f VF; IP GFD, VFI0; Z VG[VfZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$f zL ZD[R\$ . `JZ, F, UFZ; FJF/f4 T[MIGL V5L, VZHL VUJp5ZGL IJUT]GAC]SD wJFZF SZJFDAVFEJ, IGSF, ; AA HF6  
 ; F~P

OLPV|DPHZLJF, F  
V[5], [8 VMOL; Z VG|  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5IüD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJF0L4  
gl ] ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP&\*qZ\_! \$  
TFP\_! v\_(v! \$

VZHNfZ ov zL ZD[XR\$ . `JZ, F, F UFZ; FJF/F  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG| 0%| ]BL . HGZ4 OLPJLPRF[WZL sXCZ IJSF; f sJ]:8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov VF5zLGF SFI "f+ C9/GF ZFNZ UFDT / IJ:TFZDA8LSF GR&4 GFW GR! ) ( )  
JF/L ID<ST BFT[ZC6FS 5SFZGAVFJGF. hZFH IA<0ZF[EFZF SZJFDAVFJL  
ZC|, F UZSFI Nf; Z AFWSFD VUJGL DFICTL D]j;F GR ! YL ! ! AFATP  
; NE"ov V+GL VZHNfZGL TFP\_! q\_(q! \$ GL ~~SMC/WZ/FAP~~/GR&\*qZ\_! \$P

p5ZFST IJQFI VG| ; NE" AFAT[ H6FJJFG) S[ VZHNfZGL TFPZ(q\_5q! \$ GL VZHL AFAT[ ZFNZ  
UFDT / IJ:TFZDA8LSF GR&4 GFW GR! ) ( JF/L ID<STGAVUZSFI Nf; Z AFWSFD AFAT[D]j;F GR ! YL ! ! GL DFICTL  
DFUTL VZHL SZJFDA VFJ| P H[ HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ]:8 hfGq VFZP8LPVF. P; [; Pq#)\$) 4  
TFP\_\*q\_&q! \$ YL IGI T ; DI VJIWDA5ZL 5FOJFDA VFJ|, KP TDH GS, f[AFAT[GF6AEZL DFICTL D/JJFGf  
5]:TFJ SZ|, KP H[ VU[ VZHNfZ] TFPZ&q\_&q! \$ GAVFH ~FP ! 4( (qv EZ5F. SZL DFICTL D/J|, KP VFD  
VZHNfZ[HFCZ DFICTL VIWSFZLGF5]:TFJ VG|; FZ DFICTL D/J|, KP

VZHNfZG[TFP\_! q\_(q! \$ GAVFH zL OLPV|DPHZLJF, F4 V5L, VIWSFZL VG|SFI "5F, S . HGZzLGI  
IGI T GDGF GIC 5+ :J~5[V5L, VZHL SZ| P H[DA VZHNfZ] VF5|, DFICTLDA GF8ZL SZJFDA VFJ|, GYL4 ; CL  
SZ|, GYL4 VGPVFP; IP OFDDA IJUT VWZL Kf OFS| D]8; 5Z DFI, SGL ; CL GYL4 DF5GAVFSOFGI GS, f[ A[ Kf  
SFI "JFCL NXF"J|, GYL4 DFHLG KfJFDA VFJ|, GYL4 SJO"SZJFDA VFJ|, GYL IJUZ[ZHMFT SZ|, KP VFZP8LPVF. P  
SFI NFGL S, D \*s) f D]HA DFICTL H[:J~5[VG[H[:YITDAp5, aW CF| T[DFICTL 5ZL 5FOJFGL HFUJF. KP VFYL  
VZHNfZ] V5L, DA SZ|, ZHMFT SFI NF ; FY[ ; ] UT GYLP VZHNfZ] ID<STGL :Y/ T5F; SZFJGL DFICTL 5ZL  
5FOJFGL ZHMFT SZ|, KP VFZP8LPVF. P SFI NFGL S, D ZF VG[ZJ D]HA HFCZ DFICTL VIWSFZL 5F; [GL V+(NOTZL  
p5, aW DFICTL 5ZL 5FOJFGL HFUJF. KP VFYL VZHNfZGL VFJL ZHMFT SFI NFGL HFUJF. VF[ ; FY[ ; ] UT GYLP  
VZHNfZ] AFWSFD AW SZFJJF VU[ SFI Nf; ZGL SFI "JFCL VU[ IX1fftdS 5U, f AFAT[ SFI "JFCLG| , FUT[ 5] G CF|  
; 1FD ; tTFG[V, FI NL ZHMFT SZJFGL ZC[KP

CJSD

VZHNfZGL TFPZ(q\_5q! \$ GL VZHLYL DFUJFDA VFJ|, DFICTL 5ZL 5FO|, CF| P V5L, VZHL  
VU[SF| IJXDF SFI "JFCL SZJFGL ZC[TL G CF| P V5L, VZHL NOTZ[SZJFDA VFJ|KP

VZHNfZ UZSFI Nf; Z AFWSFD V8SFJJF AFAT[ SZ|, L ZHMFT SFI "JFCLG| , UTL CF| V[ ; 1FD  
; tTFG[ZHMFT SZJF :JT+ KP

GRJ]:8 hMGqVFZP8LPVF. PqGR  
TFZLBoV v vZ\_! \$P

s OLP V|DP HZLJF, F f  
V[5], [8 VFQ; Z VG|  
SFI "5F, S . HGZ s5IzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

GS, ZJGF4  
s! f HFCZ DFICTL VIWSFZL VG|0%| ]BL . HGZ4 OLPJLPRF[WZL s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNNGIX HFCZ DFICTL VIWSFZL VF; IP . HGZzL VG[H]GL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHPHF6 TYF VD, DF8P  
s#f VF; IP GFQ, VFQ; Z VG|VFZP8LPVF. P; [; 5]TPPPPPPHF6 DF8P  
s\$F zL ZD[XR\$ . `JZ, F, UFZ; FJF/F4 T[MIGL V5L, VZHL VU|p5ZGL IJUT[GACSD wJZF SZJFDA VFJ|, IGSF, ; AA HF6  
; F~P



OLPV|DPHZLJF, F  
V|5[, |B VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJFOL4  
gl |ZFN|Z ZM04; |ZT v #)5 \_\_\_)P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GR&(qZ\_! \$  
TFP\_ \$v\_(v! \$

VZHNfZ ov zL VDLT WLZHEF. DC|TF

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4JLPV|PDMN|sXCZ| IJSF; f sJ|: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov IJD, C\$; hfG4 5ZXZFD UF0G 5F; |; LPV|DP Z|; L0g; LGL AFH|DFA VOFH6  
BFT|AFWSFD RF, |K|T|AFWSFD DHZ % , FG VG|ZHfIRölGL IJU|Z|GL DFICTL  
D|;f GR ! YL ! 5 AFATP

; NE"ov V+|GL VZHNfZGL TFP\_ \$q\_(q! \$ GL **SMC/WZ/FAP/ GR&(qZ\_! \$P**  
p5Zf\$T IJQFI VG|; NE" AFAT|H6FJJFG|S| VZHNfZGL TFP! \*q\_5q! \$ GL VZHL IJD,  
C\$; hfG4 5ZXZFD UF0G 5F; |; LPV|DP Z|; L0g; LGL AFH|DFA RF, L ZC|, AFWSFD4 U8Z HFDF64 5F6L HFDF64  
VFSL8\$ :8SRZ :8|AL, L8LGA 5|DF65+4VF. P; LPGA GF6F|\*q! Z GS, F| OLDf|, LXG4 5FSLU4 DHZ %, FGGI  
IJU|Z|AFAT|D|;f GR ! YL ! 5 GL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL VG|d| |GL; L5, SIDxGZzL4  
DJU, L; ZF SZJFDA VFJ|, P H|; |g8= hfG TZOYL 5+ GR; |hfGq VFZ8LVF. qHFJSq55&4 TFPZ! q\_5q! \$ YL  
IGI T ; DI VJIWDA0%| |BL . HGZ ZFNZ hfGG|TANL, SZJFDA VFJ|, KP

H|VU|V+|YL 0%| |BL . HGZ XCZ IJSF; IJEFU TZOYL 5+ GR J|: 8 hfG q VFZP8LPVF. P; |, P  
q #()4 TFP! Zq\_&q! \$ YL ID<STGL VF|/B VF%| YL DFICTL 5ZL 5F0JF VZHNfZG|5+ 5F9J|, KP HI FZ|  
0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL 0%| IJEFU TZOYL ; NZ DFICTL Z\$0" p5Z p5, aW GYL T|J|  
H6FJ|, KP HI FZ|0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL 5F6L IJEFU TZOYL 56 p5, aW Z\$0" RSF; 6L  
SZTF DFICTL p5, aW G CF|JFG|H6FJ|, KP

H|VU|VZHNfZ|TFPZ \$q\_&q! \$ GAZFH VFH ING ; |WL DFICTL G D?I FGL VZHL SZL DFICTL  
K|FJGFZ VG|GIC DFICTL VF5GFZ VIWSFZL ; FD|IX1ftDS 5U, F, |JFGL ZH|VFT SZ|, KP

VZHNfZGL DFICTL GIC D?I FGL ZH|VFTG| AFAT| V+|YL 0%| |BL . HGZ 0%| IJEFU VG|  
5F6L IJEFU TZOYL VZHNfZG| DFICTL NOTZL p5, aW G CF|JFG|H6FJ|, KP HI FZ|XCZ IJSF; IJEFU  
TZOYL D|;f GR! # AFAT|5+ GRJ|: 8 hfGq VFZP8LPVF. P; |, Pq\*5#4 TFP! Zq\_(q! \$ YL . d5\$8 OL AFAT|GL  
DFICTL 5ZL 5F0JFDA VFJ|, KP TDH XCZ IJSF; DFICTL AFAT|ID<STGL VF|/B VF5L DFICTL 5ZL 5F0JF  
H6FJ|, KP H|VU|H6FJJFG|S|H|ID<STGAGF6F|VF5GF IJEFUDA. d5\$8 OL EZFI CF| TF|T|JL ID<STGL  
IJUT| VF5JF NOTZ| CF|JFG| VG|DFIGT KP H|VU| VF56F BFTFGA NOTZL p5, aW CSLST, 1FL DFICTL  
VZHNfZG|5ZL 5F0JFGL ZC|

CSD

VZHNfZGL TFP! \*q\_5q! \$ GL VZHLYL DFUJFDFVFEJ, DFICTL 5SL 0%I BL . HGZ HFCZ  
DFICTL VIWSFZL XCZ IJSF; TZOYL GIC 5ZL 50FI, DFICTL VFZP8LPVF. P VS8GL S, D \*s&f C9/  
INGv\* DAIJGF DkI [5ZL 5FOJF H6FJJFDFVFEJ[KP

VZHNfZGL HFCZ DFICTL VIWSFZL ; FD[ DFICTL KJ5FJJF VU[ IX1ff+DS 5U, A EZJF  
AFAT[ ZHJMFV VU[VFZP8LPVF. P VS8GL S, D Z\_ DJHA ZFHI DFICTL VFI FJUGL CF[ P T[VU[V+Y[ SF.  
IG6" SZJFGF[ZC[F[GYLP

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s 0LP VDP HZLJF, F f  
V5, B VF0; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4JLPVpDMNLS5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[HJGL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPHPHF6  
TYF VD, DF8P  
s#f VF; LP GFD, VF0; Z VG[VFZP8LPVF. P; , 5]TPPPPPPHF6 DF8P  
s\$f zL VDLT WLZHEF. DC[F4 TMMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDFVFEJ, IGSE, ; AA HF6 ; F-P

OLPV|DPHZLJF, F  
V[5[, [B VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[UJZ; ZM04 TFOJFOL4  
gl ] ZFN[Z ZM04; [ZT v #) 5 \_\_\_)P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP/GR&</sup>)qZ\_! \$  
TFP\_ \$v\_(v! \$

VZHNfZ ov zL ZD[X SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ4JLPV<sup>PDMN</sup>LSXCZ IJSF; f sJ[: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov VOFH6 UFDT/ BFT[GL XFCL D: HINGL 5FK/4 zLGFY V[5f8Dj8GL AFHJDA  
sRF, TAGR5\$ \_4! #&4! #\*4! #(4! #)4! (\$ YL ! (&DFF CF, DfAYTA  
AFWSFD AFATP

; NE" ov V+GL VZHNfZGL TFP\_ \$q\_ (q! \$ GL <sup>SMC/WZ/FAP/GR&</sup>)qZ\_! \$P

p5ZfST IJQFI VG[ ; NE" AFAT[ H6FJJFG[ S[ VZHNfZGL TFP! ! q\_ \*q! \$ GL VZHLYL  
VOFH6 UFDT/ BFT[ XFCL D: HINGL 5FK/4 zLGFY V[5f8Dj8GL AFHJDA RF, TF GR 5\$ \_4 ! #&4 ! #\*4  
! #(4! #)4! (\$ YL ! (&GF AFWSFD AFAT[ DHZ %, FG TPDH TG[ ; AWL VIWSFZL T[VU[ SFI "JFCL AFAT[  
DNF GR! YL 5GL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL ZFNZ hMG4 XCZ IJSF; IJEFUG[ SZJFDA  
VFJ[, P HGF VG[; WFG[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR J[: 8 hFG q VFZP8LPVF. P; [ P q &#)4  
TFPZ5q\_ \*q! \$ YL IGI T ; DI VJIWDA VZHNfZG[ DFICTL 5ZL 5F0[, K[ TPDH %, FG VG[ GS, M AFAT[  
DFICTL D/JJFGM 5[: TFJ SZ[ KP H[ VU[ VZHNfZ[ TFP\_ Zq\_ (qZ\_! \$GF ZMH ~FP! 4( (#qv EZ5F. SZL  
DFICTL D/J[, KP VFD VZHNfZ[HFCZ DFICTL VIWSFZL TZOYL 5Z[5ZL DFICTL D/J[, KP

VZHNfZ[TFP\_ \$q\_ (qZ\_! \$GF ZMH V5L, VIWSFZL VG[SFI "5F, S . HGZ ZFNZ hMG[5YD  
V5L, VZHL SZL %, FGGAGSX AFAT[EZFI[, GF6A5ZT D/JJF ZHMFT SZ[, KP JWDA VZHNfZ[hZMF  
GS, 5B[JWDAJW] ~FP! \_\_qv YL ~FP! 5\_qvGM BR"YTM CMJFYL T[GF6AJ; ], JFGF CMI KP TD KTAJW]  
GF6AJ; ], JFGL ZHMFT SZ[, KP H[VU[VZHNfZ[DFICTL D/JTL JBT[56 T[AFAT[TFP\_ Zq\_ (qZ\_! \$GF  
ZMH 5+ 5F9JL ZHMFT SZ[, K[S[DHZ %, FGG[ GS, DFU[, KP TDGL VZHL HMTA56 VZHNfZ[DNF GR!  
DA: 508 ZLT[DHZ %, FGG[ hZMF GS, GL DFU6L SZ[, KP VFD ; DUJCSLST HMTA HFCZ DFICTL VIWSFZLV[  
DFICTL VF5TL ; DI[VZHNfZ[SJF 5SFZGL DFICTL DFU[K[T[HMJFGL CMI K[VG[T[DHA DFICTL VF5JFGL  
ZC[KP VZHNfZ[HM SM. DFICTL : 508 ZLT[DFU[, G CMI TM HFCZ DFICTL VIWSFZL DFICTL AFAT[5MTFGM  
IG6" , . XS[KP 5[: TJT IS: ; FDA VZHNfZ[D/ VZHLDA hZMF GS, GL DFU6L SZ[, KP JWDA VZHNfZ[  
DFICTL DFUTL JBT[56 , [BTDfAZHMFT TH TFZLB[SZ[, CMJF KTAHFCZ DFICTL VIWSFZLV[wi FGDA, LWF  
IJGF V<sup>DMGI</sup>F %, FG VZHNfZG[5ZM 5F0L GF6AJ; ], SZ[, KP H[YL V<sup>DMGI</sup>F %, FGG[ GS, 5ZT D/JL VG[  
T[GL hZMF SM5L VZHNfZG[5ZL 5F0JL TYF T[VU[YI[, BZ[BZ BR"V<sup>DMGI</sup>L F SM5LGL ISDTDFYL AFN SZL  
AFSLGF GF6AVZHNfZG[5ZT SZJFGF ZC[KP

CSD

VZHNZGL TP! ! q\_\*q! \$ GL VZHLYL 5ZL 5FOJFDF VEFJ, DFICTL 5SL DHZ %, FGGL GS, HFCZ DFICTL VIWSFZLV[ VZHNZG[ hZMF GS, DFUJF KTA:YFIL ; IDITGF 9ZEF GR#\*)qZ\_\_( DJHA IGIN08 YI[, NZMDJHA VDMGIF %, FGGL GS, 5ZL 5FOJ, KP H[VFZP8LPVF. P GF IGI DM ; FY[ ; ] ; UT GYLP

VZHNZG[ D/ VZHLDA DAFI F DJHAGL hZMF %, FGGL GS, TDH VZHNZ[ DFICTL D/JTL JBT[SZ[, ZHMFT wI FG[, . hZMF %, FGGL GS, hZMF GS, 5ZL 5FOJF OP. HGZ VG[HFCZ DFICTL VIWSFZL sXCZ IJSF; FG[H6FJJFDFVFEJ[K[VG[EIJQI DAVF AFAT[TSNFZL ZBZF H6FJJFDFVFEJ[KP

VZHNZG[ %, FGGL hZMF GS, GF6AJ ; ], . 5ZL 5FOJF TYF VZHNZ 5F; [ VDMGIF %, FG EZFJ, ISDTRFYL AFN VF5L AFSIGF GF6A5ZT SZJF OP. HGZ VG[HFCZ DFICTL VIWSFZL sXCZ IJSF; IJEFUF ZFNZ hMG[G[H6FJJFDFVFEJ[KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V5[, B VFIO; Z VG[  
SFI 5F, S . HGZ s5IzD hFGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4  
s! f HFCZ DFICTL VIWSFZL VG[O%I BL . HGZ4JLPV[DMNLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; IP . HGZzL VG[HGL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPPPHF6  
TYF VD, DF8P  
s#f VF; IP GFD, VFIO; Z VG[VFZP8LPVF. P; [, 5]TPPPPPHF6 DF8P  
s\$f zL ZDX SPHFUL04 T[VMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDFVFEJ, IGSF, ; AA HF6 ; F-P

OLPV DPHZLJF, F V[5[,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FCJA N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OIMG0_Z&! vZ*( &! (! v(Zv(#
---	---	--

V5L, VZHL GP|SMC/WZ/FAP/GR\*\_qZ\_! \$  
 TFP\_ \$v\_(v! \$

VZHNfZ ov zL ZD|X SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4JLPV|PDMN|sXCZ IJSF; f sJ|: 8 hMGF  
 OZLI FNGL CSLST ov

IJQFI ov VOFH6 UFD BFT|GL ID<STMAFATP

; NE"ov V+|GL VZHNfZGL TFP\_ \$q\_(q! \$ GL SMC/WZ/FAP/ GR\*\_qZ\_! \$P

p5ZF|ST IJQFI VG| ; NE" AFAT| H6FJJFG| S| VZHNfZGL TFP\_)q\_\*q! \$ GL VZHLYL  
 VOFH6 UFD BFT|GF ; ZSFZL VFJF; GL AFH|DFA s5|MBMG % ; IA<0LUGL 5FK/f CF, DAYTF AhD|g8 ^ Ufpg0  
 ^ 5FR DF/G|AFWSFD TYF BMOLI FZ RMS 5F; |sX|, 5|B|, 5|5GL AFH|DFF VFJ|, D|P V|U GFDGL ID<STGF  
 8LP5LP: SLD GR4 OFI G, %, M8 GR4 ZP; J|GR4 ID<STNFZG|GFD ; ICTGL IJUTM ID<STMAFAT|DHZ %, FG T|DH  
 TG|; |AWL VIWSFZLqSDRFZLGF SFI "f|+DFA VFJ|T|GL GFD4 CMNF ; ICTGL IJUT IJUZ|AFAT|D|NF GR! YL #GL  
 DFICTL DFUTL VZHL ; |g8= hMG BFT| SZJFDA VFJ|, P H| ; |g8= hMG TZOYL TANL, Y. 5+ GR; |hMG  
 qVFZP8LPVF. PqHFJSq! ! ! ! 4 TFP! ! q\_\*q! \$GF ZMH HFCZ DFICTL VIWSFZL VG| 0|. HGZ4 ZFNZ hMG|  
 SZJFDA VFJ|, P H|GF VG|; WFG|HFCZ DFICTL VIWSFZL TZOYL 5+ GR J|: 8 hFG q VFZP8LPVF. P; |, P q &5) 4  
 TFP#\_q\_\*q! \$ YL IGI T ; DI VJIWDA VZHNfZG| DFICTL 5ZL 5F0|, K| T|DH %, FG VG| GS, M AFAT|  
 DFICTL D|/JJFGM 5|: TFJ SZ|, KP H| VU| VZHNfZ| TFP\_Zq\_(qZ\_! \$GF ZMH ~P(&5qv EZ5F. SZL  
 DFICTL D|/J|, KP VFD VZHNfZ|HFCZ DFICTL VIWSFZL TZOYL 5Z|5ZL DFICTL D|/J|, KP

VZHNfZ|TFP\_ \$q\_(qZ\_! \$GF ZMH V5L, VIWSFZL VG|SFI 5F, S . HGZ ZFNZ hMG|5YD  
 V5L, VZHL SZL %, FGGAGSX AFAT|EZFI|, GF6A5ZT D|/JJF ZH|VFT SZ|, KP JWDA VZHNfZ|hZMF  
 GS, 5|JWDAJW ~FP! \_\_\_qv YL ~FP! 5\_qvGM BR"YTM CMJFYL T|GF6AJ; |, JFGF CMI KP TD KTAJW  
 GF6AJ; |, JFGL ZH|VFT SZ|, KP H|VU|VZHNfZ|DFICTL D|/JTL JBT|56 T|AFAT|TFP\_Zq\_(qZ\_! \$GF  
 ZMH 5+ 5F9JL ZH|VFT SZ|, K|S|DHZ %, FGGL GS, DFU|, KP TDGL VZHL HMTA56 VZHNfZ|D|NF GR#  
 DA: 508 ZLT|DHZ %, FGGL hZMF GS, GL DFU6L SZ|, KP VFD ; DU|CSLST HMTA|HFCZ DFICTL VIWSFZLV|  
 DFICTL VF5TL ; DI |VZHNfZ|S|JF 5SFZGL DFICTL DFU|K|T|HMJFGL CMI K|VG|T|D|HA DFICTL VF5JFGL  
 ZC|KP VZHNfZ|HM SM. DFICTL : 508 ZLT|DFU|, G CMI TM HFCZ DFICTL VIWSFZL DFICTL AFAT|5MTFGM  
 IG6" , . XS|KP 5|: T|T IS: ; FDA VZHNfZ|D|/ VZHLDA hZMF GS, GL DFU6L SZ|, KP JWDA VZHNfZ|  
 DFICTL DFUTL JBT|56 , |BTDFAZH|VFT T|H TFZLB|SZ|, CMJF KTA|HFCZ DFICTL VIWSFZLV|w| FGDA, LWF  
 IJGF V|DMGI F %, FG VZHNfZG|5ZM 5FOL GF6AJ; |, SZ|, KP H|YL V|DMGI F %, FGGL GS, 5ZT D|/JL VG|  
 T|GL hZMF SM5L VZHNfZG|5ZL 5F0JL TYF T|VU|YI|, BZ|BZ BR"V|DMGI F SM5LGL ISD|DFYL AFN SZL  
 AFSLGF GF6AVZHNfZG|5ZT SZJFGF ZC|KP

CSD

VZHNZGL TP\_)q\_\*q! \$ GL VZHLYL 5ZL 5FOJFDF VEFJ, DFICTL 5SL DHZ %, FGGL GS, HFCZ DFICTL VIWSFZLV[ VZHNZG[ hZMF GS, DFUJF KTA:YFIL ; IDITGF 9ZFJ GR#\*)qZ\_\_( DJHA IGIN08 YI[, NZMDJHA VDMGIF %, FGGL GS, 5ZL 5FOJ, KP H[VFZP8LPVF. P GF IGI DM ; FY[ ; ] ; UT GYLP

VZHNZG[ D]/ VZHLDA DAI F DJHAGL hZMF %, FGGL GS, TDPH VZHNZ[ DFICTL D/JTL JBT[SZ[, ZHMFT wI FG[, . hZMF %, FGGL GS, hZMF GS, 5ZL 5FOJF OP. HGZ VG[HFCZ DFICTL VIWSFZL sXCZ IJSF; FG[H6FJJFDFVFEJ[K[VG[EIJQI DAVF AFAT[TSNFZL ZFBJF H6FJJFDFVFEJ[KP

VZHNZG[ %, FGGL hZMF GS, GF6AJ ; ], . . 5ZL 5FOJF TYF VZHNZ 5F; [ VDMGIF %, FG EZFJ, ISDTDFYL AFN VF5L AFSIGF GF6A5ZT SZJF OP. HGZ VG[HFCZ DFICTL VIWSFZL sXCZ IJSF; IJEFUF ZFNZ hMGG[H6FJJFDFVFEJ[KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
VF5, B VF10; Z VG[  
SFI 5F, S . HGZ s5IzD hFGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4  
s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4JLPV[DMNLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP . HGZzL VG[H]GL . HGZzL s5IzD hMGvZFNZfXCZ IJSF; PPHF6  
TYF VD, DF8P  
s#f VF; LP GFD, VF10; Z VG[VFZP8LPVF. P; [, 5]TPPPPPHF6 DF8P  
s\$f zL ZDX SPHFUL04 T[MGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJFZF SZJFDFVFEJ, IGSF, ; AA HF6 ; F-P

OLPV|DPHZLJF, F  
V|5|, |8 VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJF0L4  
gl |ZFN|Z ZM04; |ZT v #) 5 \_\_\_)P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GP\*! qZ\_! \$  
TFP\_&v\_(vZ\_! \$

VZHNfZ ov zL GZ|X V|GPAYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4H|PSPRF|WZLsXCZ IJSF; f sJ|: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 8LP5LP\_(4VDP5LP##4a, MS GR\$(45F, 8LPOLPVMqJPhMGqOLP5LPGRZ (545F, G5MZ4  
TFP\_#q\_#qZ\_! ! YL ; |RT AFWSFD IJU|ZGL DFICTL DFUTL VZHL AFATP

; NE"ov V+|GL VZHNfZGL TFP\_&q\_(q! \$ GL SMC/WZ/FAP/ GR\*! qZ\_! \$P

p5ZF|ST IJQFI VG|; NE" AFAT|H6FJJFG|S| VZHNfZ| TFP! &q\_&qZ\_! \$ YL ; |j8= hMG BFT| HFCZ  
DFICTL VIWSFZL VG|d|PSIDxGZzL VG|GFI A XCZ IJSF; VIWSFZL sDwl :Y XCZ IJSF; IJEFUFG| DFICTL DFUTL  
VZHL SZJFDA VFJ|, P H| 5+ GR; PhMGqVFZP8LPVF. PqHFJSq(! \*4 TFP!) q\_&qZ\_! \$ YL 8LP5LP\_(4 VDP5LPGR##4  
a, MS GR\$(4 5F, 8LPOLPVMqJPhMGqOLP5LPGRZ (545F, G5MZ TFP\_#q\_#qZ\_! ! YL ; |RT AFWSFD AFAT|V+|GF IJEFUG|  
TANL, SZJFDA VFJ|, P H| VG|; WFG| HFCZ DFICTL VIWSFZL TZOYL 5+ GR J|: 8 hfG q VFZP8LPVF. P; |, P q 5#\_4  
TFP\_5q\_\*qZ\_! \$ YL IGI T ; DI VJIWDA VZHNfZG| DFICTL 5ZL 5FOJFDA VFJ|, KP H|DA NOTZL . q: 5\$XG VU|  
H6FJJFDA VFJ|, K|S|5YD VOWF S, FS IJGFD| |VG|t| FZ AFN NZ VOWF S, FSGF ~FPZ\_qv , |B|D\$ZZ SZJFDA VFJ|,  
OL EZ5F. S|Y| 5Z| 5FOJFDA VFJX|T|H6FJ|, KP H| AFAT| TFP\_5q\_(qZ\_! \$GF ZMH VZHNfZ|DPSIDxGZzL VG|  
; 1FD ; tFWLX4V5L, VIWSFZLzL VG| SFI "5F, S . HGZzL4J|: 8 hMG VG| XCZ IJSF; VIWSFZLzL Dwl :Y SRZL|G|  
; X|MTL 5YD V5L, VZHL SZ|, KP H|5+ GR0Lq\$#5)4 TFP\_5q\_(qZ\_! \$GFZMH V+|D|/|, KP H|DA VZHNfZ|V5L,  
; FY|HMOF6 SZ|, 5+DAH6FJ|, K|S|VZHNfZ ALP5LPV|, PSFOWFZS CMI VG|VZHNfZG|DFICTL 5ZL G 5FOJFDA VFJ|,  
CMI 4 H|Y| 5YD V5L, VZHL SZ|, P

HFCZ DFICTL VIWSFZL TZOYL VZHNfZG|TDGL TFP! &q\_&qZ\_! \$GL VZHL AFAT| SM. DFICTL G  
D?I FYL V5L, VZHL SZ|, KP V5L, GF VG|; WFG|HFCZ DFICTL VIWSFZL TZOYL 5+ GR J|: 8 hMG q VFZP8LPVF. P; |, q  
\*\*\*4 TFP! &q\_(qZ\_! \$ YL VZHNfZG| DFICTL 5ZL 5FOJFDA VFJ|, KP VFYL T|VMGL V5L, VZHL VU|JW| SM.  
SFI "JFCL SZJFGL ZC|TL GYIP

CJSD

VZHNfZGL TFP! &q\_&qZ\_! \$ GL VZHLYL DFUJFDA VFJ|, DFICTL HFCZ DFICTL VIWSFZL TZOYL  
V5L, TASS|NOTZL p5, aW DFICTL 5ZL 5FO|, CMI 4 V5L, VZHL VU|JW| SFI "JFCL SZJFGL ZC|TL GYL VG|V5L,  
VZHL NOTZ|SZJFDA VFJ|KP

GRJ|: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V|5|, |8 V|Q; Z VG|  
SFI "5F, S . HGZ s5lzd hfGvZFN|Zf  
; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4H|PSPRF|WZLs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|H|GL . HGZzLs5lzd hMGvZFN|ZfXCZ IJSF; PPPPPPHF6 TYF  
VD, DF8|  
s#f VF; LP GFQ, V|Q; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\$f zL GZ|XEF. V|GPAYJFZ4 T|VMGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZ SZJFDA VFJ|, IGSF, ; AA HF6 ; f~P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N[UZ; ZM04 TFOJF0L4  
gl ] ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP/GR\*</sup>ZqZ\_! \$  
TFP\_(v\_(vZ\_! \$

VZHNfZ ov zL IJGMN 5|DHLEF. S8FZLI F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%| ]BL . HGZ4HPSPRF[WZLSXCZ IJSF; f sJ[: 8 hMGF  
OZLI FNGL CSLST ov

IJQFI ov %, M8 GR#) Z4#) (4#) ) zLHIGUZL4 pUT ZM04ZFNZ4 ; JRT AFWSFD VU[D]NF  
GR! YL Z GL DFICTL AFATP

; NE" ov V+GL VZHNfZGL TFP\_(q\_(q! \$ GL <sup>SMC/WZ/FAP/GR\*</sup>ZqZ\_! \$P

p5ZfST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZ[ TFPZ! q\_&qZ\_! \$ GF ZMH DFICTL DFUTL  
VZHL HFCZ DFICTL VIWSFZL4 ; [ZT DCFGUZ5FI, SF ; [g8= hMG[ VF. POLPGR&#\_ YL SZJFDF VEFJ, P ; [g8= hMG  
TZOYL 5+ GR; PhMGqVfZP8LPVF. PqHfJSq( \*54TFPZ\$q\_&qZ\_! \$ YL V+[ TANL, SZ, P H[ J[: 8 hMGF  
VFZP8LPVF. P; [ VF. POLPGRZ) (4 TFPZ5q\_&qZ\_! \$ YL GMMFI, CTIP H[GF VG[ WFG[ V+[YL HFCZ DFICTL  
VIWSFZL VG[ 0%| ]BL . HGZ J[: 8 hMG TZOYL 5+ GRJ[: 8 hfGqVfZP8LPVF. P; [ Pq5&&4TFP! ! q\_\*q! \$ YL IGI T  
; DI DI FNDF VZHNfZG[ DFICTL 5ZL 5FOJFDF VEFJ, KP H[DF HFCZ DFICTL VIWSFZL VG[ 0%| ]BL . HGZ sZFNZf  
H6FJ, K[S[V+GL SRZLGF p5, aW ZS0GL RSF; 6L SZTF; NZ DFICTL V+GL 5I' RD hMG sZFNZf SRZLGF XCZ  
IJSF; IJEFUDFp5, aW H6FTL GYLP

p5ZMST DFICTL ; NE[IGI T ; DI VJIWDFD/[ 5t|I; ZYL GFZFH Y. TFP\_&q\_(qZ\_! \$GF ZMH  
dI]PSIDxGZzL4; [ZT DCFGUZ5FI, SFG[; AMWTL 5YD V5L, VZHL SZ, KP H[ Dwl :Y SRZL GROLq\$ \$! ( YL V+[  
TANL, SZ, KP H[ <sup>SMC/WZ/FAP/GR\*</sup>Z4 TFP\_(q\_(qZ\_! \$GF ZMH D/[ KP DNF GR! VG[Z DF\GF GM HJFA  
5F9J, 4 H[GFYL VDM VZHNfZ GFZFH4 V; VMDF VG[ VIT5|EFIJT Y. 5YD V5L, VZHLDF ZH]MFT SZ, KP  
VFZP8LPVF. PV\$8GL S, D ZsFf VG[ ZsJf D]HA HFCZ DFICTL VIWSFZL 5F; YL NOTZL p5, aW DFICTL 5ZL  
5FOJFGL HMUJF. KP H[ D]HA HFCZ DFICTL VIWSFZLV[ IGI T ; DI VJIWDF VZHNfZG[ DFICTL 5ZL 5FOJFDF  
VEFJ, KP VFD DFICTL ; NE[V5L, TASS[SM. SFI "JFCL SZJFGL ZC[TL GYLP

CJSD

VZHNfZGL TFPZ! q\_&qZ\_! \$ GL VZHLYL DFUJFDF VEFJ, DFICTL NOTZL p5, aW CSLST, 1FL  
DFICTL HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI VJIWDF VZHNfZG[5ZL 5FOJFDF VEFJ, KP T]YL V5L, VU[SM.  
SFI "JFCL SZJFGL ZC[TL GYL VG[V5L, VZHL NOTZ[ SZJFDF VEFJ] KP

GRJ[: 8 hMGqVfZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP V|DP HZLJF, F f  
V[5[, [8 VF]O; Z VG[  
SFI "5F, S . HGZ s5IzD hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[0%| ]BL . HGZ4HPSPRF[WZLS5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[H]GL . HGZzLS5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8[  
s#f VF; IP GF, VF]O; Z VG[VfZP8LPVF. P; [ 5|TPPPPPPHF6 DF8P  
s\$F zL IJGMN 5|DHLEF. S8FZLI f4 T]MGL V5L, VZHL VU[p5ZGL IJUT]GAC]SD wJFZF SZJFDF VEFJ, IGSF, ; AA HF6 ; F-P



<p>OLPV DPHZLJF, F V[5[, ]B VMOL; Z VG[ SFI "5F, S . HGZ</p>		<p>; ]T DCFGUZ5FI, SF 5lÜD hMG sZFN]Zf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFN]Z ZM04; ]T v #)5 ___)P OMGo_Z&amp;! vZ*( &amp;! (! v(Zv(#</p>
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V5L, VZHL GPCMC/WZ/FAP/GP\*#qZ\_! \$  
TP\_(v\_(v! \$

VZHNfZ ov zL H]G|NBFG UO]ZBFG 59F6  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ VF], 0%| ]8L . HGZ sXCZ IJSF; f4 DCSD IJEFU sJ]:8 hMGf

OZLI FNGL CSLST ov

IJQFI ov VF5GF hfGDfXCZ IJSF; IJEFUDfH]GI Z . HGZ TZLS[OZH AHFJTF  
VFZP5LP58], GL GF\$ZL ; ]T DPGP5FP DfSI F JQFI, FUL4 TDG[GF\$ZL 5F%T SZJF H]B, F  
5ZFJF4 ; 8L'VF[ZH}SI F'CFI T[IJUZ]GL GS, fGL DFICTL D]jF GR ! YL & AFATP

; NE"ov V+GL VZHNfZGL TP\_(q\_(q! \$ GL SMC/WZ/FAP/ GR \*#qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ VZHNfZ[ ; ]DP5FP GA H]GI Z . HGZ TZLS[ OZH AHFJTF  
VFZP5LP58], GL GF\$ZL4 ; 8L'OLS}BFI AN, L4 TDGL IJ~E TDFD SFI "JFCL TYF T]V]V[DHZ SZ], %, FG VG[ ZHFIRöl VG[  
:Y/f]5Z H. SZ], IJhl8f]GL DFICTL DFUTL VZHL SZJFDF VFJ], P

p5ZFST IJQFI AFAT[ V+YL 5; fG], VF]0; Z VG[ HFCZ DFICTL VIWSFZL TZOYL TDGF IGD6\$  
AFAT]GL TYF , FI SFT AFAT]GL TDH IGD6\$ TFZLBGL IJUTF[ 5]ZL 5FOJFDF VFJ], KP HI FZ[ Vg] Z\$0" IGEFJTF  
CF]JG\ VF]0; GA GFDGL DFICTL 5ZL 5FOJFDF VFJ], KP HI FZ[ TDGL SFDULZL AFAT[ SZ], F IJhl8f]GL DFICTL 56  
VZHNfZG[ 5ZL 5FOJFDF VFJ], KP TYF TDGF DHZ %, FG VG[ ZHFIRöl AFAT[ VF]0; Gf[ ; 5S"SZL DFICTL D]/JJF  
H6FJ], KP

VZHNfZ[ TP\_(q\_(q! \$ GA ZFH ; NZ VZHL AFAT[ DFICTL VF5JFDF VFJ], GYL T[ VU] SFI "JFCL SZJF  
5]YD V5L, VZHL SZJFDF VFJ], KP H[ VU] VZHNfZG[ V+GA DCSD IJEFUG[ , UTL DFICTL 5+ GR J]:8 hfGq  
VFZP8LP VF. P; ], Pq5&\$4 TFP! ! q\_\*q! \$ YL IGI T ; DI VJIWDF DFICTL 5ZL 5FOJFDF VFJ], KP TDH DHSZ  
SD'RFZLGL SFDULZL AFAT]GL DFICTL 5+ GR J]:8 hfGq VFZP8LP VF. P; ], Pq& (Z4 TFP\_! q\_(q! \$ YL VZHNfZG[ 5ZL  
5FOJFDF VFJ], KP 5ZT] VZHNfZ[\_ (q\_(q! \$ GA ZFH SZ], V5L, DfDFICTL GIC 5ZL 5FO], Gf]NFJf] VF5], DFICTL  
HF]TF; DYG D/T]GYLP TD KTF VZHNfZGL V5L, ; NE[ HFCZ DFICTL VIWSFZLGF; 5S"SZL G[ D]/JJFGL DFICTL  
AFAT[ VZHNfZ[; 5S"SZ], G CF]JYL DFICTL 5ZL 5OFI], GYL H[ V5L, TASS[IJGF D]kI [DFICTL 5ZL 5FO], KP TD  
KTF V; TF] CF] T[DFICTL AFAT[; 5S"SZJF H6FJ], KP VFD HFCZ DFICTL VIWSFZL TZOYL VZHNfZG[DFICTL  
5ZL 5FO], CF] P V5L, TASS[SF], IJXDF SFI "JFCL SZJFGL ZC]TL GYL

C]SD

VZHNfZGL TFP#\_q\_&q! \$ GL VZHLYL DFUJFDfVfJ, DFICTL HfCZ DFICTL VIWSfZL TZOYL 5ZL  
5FOJFDfVfJ, Cf| P V5L, VZHL VU[Sf. SfI "JfCL SZJfGL ZC|TL G Cf| P V5L, VZHL NOTZ[SZJFDfVfJ|Kp

GRJ: 8 hMGqVfZP8LPVf. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJf, f f  
V5, B Vf|O; Z VG|  
SfI '5f, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5fI, SFP

GS, ZJfGf4

s! f HfCZ DFICTL VIWSfZL VG|Vf, O%| B| . HGZ sXCZ IJSf; f VG|DCSD IJEFU s5IzD hMGfPPPPPHf6  
TYf VD, Df8p

sZf DNNGLX HfCZ DFICTL VIWSfZL Vf; lP . HGZzL VG|HGL . HGZzL s5IzD hMGvZFNZf XCZ IJSf; PPPPHf6  
TYf VD, Df8p

s#f Vf; lP GfD, Vf|O; Z VG|VfZP8LPVf. P; |, 5|TpppppphF6 Df8p

s\$f zL H|GNBFG UOZBFG 59f64 T|VMGL V5L, VZHL VU|p5ZGL lJUTGfCSD wJfZf SZJFDfVfJ, lGSf, ; AA Hf6 ; f~P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[UZ; ZM04 TFOJFOL4  
gl ] ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GP<sup>SMC/WZ/FAP/GR</sup>\*\$qZ\_! \$  
TFP! ! v\_(vZ\_! \$

VZHNfZ ov zL 15S, 5[0k, RN=WLJF/FsT+Lv; DFWFG gl ]hf

; FDFJF/F ov s! f HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZvH[PSPRF(WZLsJ]; 8 hMGf  
szf HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLsJ]; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 8LP5LP\$ZsHCFULZFAFNf4VDP5LP! \*&4VMP5LP5\$JF/L ID<STDFVFEJ, AU, F  
GR! \_4! ! 4! Z VU[GL sTDFD ID<STFG]; AWT DNF GR! YL ! \$ AFATP

; NE"ov V+GL VZHNfZGL TFP! ! q\_(qZ\_! \$ GL <sup>SMC/WZ/FAP/GR</sup>\*\$qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFP\_5q\_5qZ\_! \$GL VZHLGL AFAT[  
DNF GR! YL ! \$GL DFICTL DFUTL VZHL ZFNZ hMG BFT[ SZJFDA VFEJ, P H[DA VZHNfZG[ VFSFZ6L IJEFU  
TZOYL 5+ GRJ; 8hMGqVFP8LPVF. P; [ qZ) #4TFPZ (q\_5qZ\_! \$YL TYF XCZ IJSF; IJEFU TZOYL 5+ GR  
J; 8hMGq VFP8LPVF. P; [ q #Z\$4TFP\_Zq\_&qZ\_! \$YL IGI T ; DI VJIWDF\DFICTL 5ZL 5FOJFDA VFEJ, KP H[VU[  
VZHNfZ[ TFP! (q\_&qZ\_! \$GF ZMH VFSFZ6L IJEFUGF ~FP\*Zqv EZL TFP! \*q\_&qZ\_! \$GF ZMH . g: 5\$XG SZL  
DFICTL D/[JFDA VFEJ, K[T]DH TFP\_(q\_\*qZ\_! \$GF ZMH ~FP) \$qv XCZ IJSF; IJEFUGL DFICTL AFAT[ EZ5F.  
SZ, KP VFD VZHNfZ[DFICTL T5F; 6L SZLG[D/]J, KP

H[VU[VZHNfZ[ TFP! ! q\_(qZ\_! \$GF ZMH ; DI DI FNFD\DFICTL VF5JFDA VFEJ, GYL VG[GF6A  
5ZT D/[JFGL ZH[VFT SZ, KP VZHNfZG[VFSFZ6L IJEFU TZOYL DFICTL AFAT[TFPZ (q\_5qZ\_! \$GF ZMH 5]:TFJ  
SZ, KP H[ DFICTL VZHNfZG[ INGvZ\$DA 5ZL 5FOJF 5]:TFJ ZFB, KP HIFZ[ XCZ IJSF; IJEFU TZOYL  
TFP\_Zq\_&qZ\_! \$GF ZMH V[B, [S[INGvZ) D\DFICTL 5ZL 5FOJFGM 5]:TFJ SZ, K[V[B, [S[HFCZ DFICTL VIWSFZL  
TZOYL IGI T ; DI VJIWDF\DFICTL 5ZL 5FOL VG[NZBF: T AFATGM 5]:TFJ IGI T ; DI VJIWDF\YI [ KP VZHNfZ[  
T]DG[85F, wJZF D/[ DFICTLGL TFZLB NXFJ, KP H[VFP8LPVF. PGF SFI NF DJHA T]JF INJ; Mwi FG[ , [FDA VFEJTF  
GYLP VFP8LPVF. PGF SFI NF DJHA VZHNfZG[ DMS, JFDA VFEJ, TFZLBYL VZHNfZG[ 85F, D/JF ; WLGf INJ; M  
U6TZLDA, [JGf\GYLP VFYL VZHNfZGL V5L, SFI NF ; FY[ ; ] UT GYL VG[ T]DGL NFN D/L XS[ T]D G CMJFYL  
VZHNfZGL V5L, NOTZ[ SZJFDA VFEJ KP JW]DA VFP8LPVF. PSFI NFGH HMLJF. DJHA 5FZNxSTF VG[ VZHNfZG[  
DFICTL D/[TGM C[T]ZC, MKP

C]SD

VZHNfZGL TFP\_5q\_5qZ\_! \$ GL VZHL AFAT[ VZHNfZG[ DFICTL 5ZL 5FOJFDA VFEJ, VG[  
VZHNfZG[DFICTL D/[ CMI VG[VZHNfZGL V5L, DFICTL G D?IF S[ VWZL D/JF AFAT[G CMI DFICTL ; NE[  
SM. C]SD SZJFGMZC[TMGYLP



OLPVDPHZLJF, F  
V5[, B VMOL; Z VG[  
SFI "5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ] ZFNZ ZM04; ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GP~~SMC/WZ/FAP~~/GR\*5qZ\_! \$  
TFP! Zv\_(vZ\_! \$

VZHNfZ ov zL ZDX SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] BL . HGZvOLPJLPRF(WZLsXCZ IJSF; fsJ]: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov 8LSfv\$4; LP; PGR#\$\_qV VG[#\$\_qA4 SMB XZL4ZFNZ BFT[CF, DAYTFAAFWSFD AFATP

; NE"ovs! f V+GL VZHNfZGL TFP! Zq\_(qZ\_! \$ GL ~~SMC/WZ/FAP~~/GR\*5qZ\_! \$P

sZf UJHZFT ZFHI DFICTL VFI MU V5L, GR\*(5#vZ\_! \$4TFP! \*q! ! qZ\_! \$

p5ZFST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP! 5q\_\*qZ\_! \$GF ZMH 8LSfv\$4 ; LP ; P GR  
#\$\_qV VG[#\$\_qA4SMB XZL4 ZFNZ IJSF; 5ZJFGULGL GS, 4 DHZ %, FG AFAT[DNF GR! YL # GL DFICTL DFUTL  
VZHL ZFNZ hMG BFT[ SZJFDA VFJ], P H[ VU[ ZFNZ hMG TZOYL 5+ GR J]:8hMGq VFZP8LPVF. P; ; q &&&4  
TFP#! q\_\*qZ\_! \$ YL VZHNfZG[IGI T ; DI VJIWDA HFCZ DFICTL VIWSFZL TZOYL DNF GR ! YL 5DA DFICTL 5ZL  
5FOJFDA VFJ], P HDA DNF GR! 4Z4#DA H~ZL N:TFJHM AFAT[GF6A EZL DFICTL D/JJFGM 5]:TFJ SZ], KP H[ VU[  
VZHNfZ[ DNF GR! ~FP\$\_qv4 DNF GRZ ~FPZ\*&qv VG[ DNF GR# DA ~FP! ! Zqv D/L S, [ ~FP#) Zqv  
TFP\_#q\_)qZ\_! \$GF ZMH EZ5F. SZL DFICTL D/J], KP tIFZ AFN VZHNfZ[ TFP! ! q\_(qZ\_! \$G ZMH DNF GR! DA  
~FP! 4\_\_qv TYF DNF GR# DA ~FP\*\*\_qv VDMGI F SM5LGF %, FGGL GS, GM HJFA[ VZHNfZ[ hZMF %, FGGL GS, GL  
DFU6L SZ], KP HDA VZHNfZ[IGI D DJHA ZSD EZJF H6FJJF V5L, SZ], KP H[VU[VZHNfZ[TFP#! q! \_qZ\_! \$GF  
ZMH ZFHI DFICTL VFI MUDFAHL V5L, SZ], KP HGF VG; WFG[ZFHI DFICTL VFI MU TZOYL V5L, GR\*(5#qZ\_! \$4  
TFP! \*q! ! qZ\_! \$YL VFZP8LPVF. PV\$8GL S, D ! )s&fD]HA 5]TJFNL GR! G[VZHNfZG[; AE/L VG[DFICTL IJJFNLG  
D/L HFI T[ VU[ ; ]GI`RT SZJF H6FJ], KP HGF VG; WFG[ V+GL 5+ GRJ]:8hMGqVFZP8LPVF. P; ; q! \$5)4  
TFP! ! q\_5qZ\_! \$ YL TFP! &q! ZqZ\_! \$GF ZMH ; ]GFJ6L D\$ZZ SZJFDA VFJ], P HDA VZHNfZG[DNF GR! VG[#DADHZ  
%, FGGL hZMF GS, GL DFU6L SZ], KP H[VU[HFCZ DFICTL VIWSFZLV[hZMF GS, VF5JF ; DIT NXFJ], KP

CJSD

VZHNfZGL TFP! 5q\_\*qZ\_! \$ GL VZHLYL DFUJFDA VFJ], DFICTL 5SLGF DNF GR! VG[#GL VXT0  
DFICTL DJHA %, FGGL hZMF GS, BZBZ ISDT EZ5F. SZJF VZHNfZGL V5L, VG[HFCZ DFICTL VIWSFZLV[hZMF  
GS, VF5JF ; DITGwi FG[ZFBL %, FGGL hZMFGL BZBZ GS, ISDT VZHNfZG[H6FJL INGv\*DAhZMF GS, 5ZL 5FOJF  
HFCZ DFICTL VIWSFZL ZFNZ hMG[H6FJJFDA VFJ][KP

GRJ]: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, ff  
V5[, B VF]0; Z VG[  
SFI "5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f GFI A ; IRJzL4UJHZFT DFICTL VFI MU4SD1 MJL EJG4 :8B , J, VM0; L; 4 a, MS GR! 4 ZHMD/4 GLZDF EJG EFK/4  
; \$8Zv! \_vV! UFWLGUZv#(Z\_! \_

sZf HFCZ DFICTL VIWSFZL VG[0%] BL . HGZ4OLPJLPRF(WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P

s#f DNNP HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[H]GL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
s\$FVF; LP GFD, VF]0; Z VG[VFZP8LPVF. P; ; 5]TPPPPPPHF6 DF8P

s5f zL ZDX SP HFULO4 TMMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDA VFJ], IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA N[JZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; [ZT v #) 5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL GP\$SMC/WZ/FAP/GR\*&qZ\_! \$  
 TFP! Zv\_(vZ\_! \$

VZHNfZ ov zL ZD[X SP HFULO  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG(0%l [BL . HGZvOLPJLPRF[WZLsXCZ IJSF; fsJl: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov 8LSfv! ! 4; LP; PGRZ VG[#DACE, DfYTFvAFWSFD AFATP  
 ; NE"ovs! fV+GL VZHNfZGL TFP! Zq\_(qZ\_! \$ GL SMC/WZ/FAP/GR\*&qZ\_! \$P  
 szf UHZFT ZFHI DFICTL VFI MU V5L, GR\*(5#vZ\_! \$4TFP! \*q! ! qZ\_! \$

p5ZfST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP! 5q\_\*qZ\_! \$GL VZHL VF. POLPGR#\*\$ YL  
 8LSfv! ! 4; LP; PGRZ VG[# G[, FU]; ZSFZL HuI F SJZ SZL AFWSFD SZl, CMUF AFAT[IJSF; 5ZJFGUL VG[DHZ %, FG VUJ  
 DNF GR! YL \$GL DFICTL DFUTL VZHL AFAT[VZHNfZG[ 5+ GRJl: 8hMGq VFZP8LPVF. P; [ q &&54 TFP#! q\_\*qZ\_! \$ YL  
 DNF GR! YL \$GL DFICTL IGI T ; DI VJIWDA5ZL 5FOJFDAVEJl, P H[DADNF GR! AFAT[ZHFIR9L ~FPZqv TYF 5F6L GS, GF  
 ~FP&&\_qv EZ5F. SZL DFICTL D/JJF 5]:TFJ SZJFDA VEJl, P H[ VUJ VZHNfZ[ ; NZ GF6A ZHFIR9LGF ~FPZqv4  
 TFP\_#q\_)qZ\_! \$GF ZMH EZ5F. SZl, P H[ VUJ VZHNfZ TFP! Zq\_(qZ\_! \$GF ZMH 5YD V5L, VZHL SZL DNF GR!  
 %, FGGL GS, AFAT[ hZMF GS, GF BZ[BZ BR" EZ5F. SZL %, FGGL GS, GL DFU6L SZl, P H[ VUJ VZHNfZ  
 TFP#! q! \_qZ\_! \$GF ZMH ZFHI DFICTL VFI MUDFvALHL V5L, SZJFDAVEJl, P H[VUJ ZFHI DFICTL VFI MU TZOYL V5L,  
 GR\*(5#qZ\_! \$4 TFP! \*q! ! qZ\_! \$ YL 5]TJFNlv! G[S, Dv! )s&f C9/ VZHNfZG[; FE/L 5YD V5L, GM IGSF, SZJF  
 H6FJl, K[ VG[ VZHNfZG[ DFICTL D/L HFI T[ VUJ ; ]GI`RT SZJF VFN[X SZl, KP HGF ; NE[ V+Yl 5+  
 GRJl: 8hMGqVFZP8LPVF. P; [ q! \$5)4 TFP! ! q! ZqZ\_! \$YL VZHNfZG[ TFP! &q! ZqZ\_! \$GF ZMH ; [GFJ6L ZFBJFDA VEJl, P  
 H[Dv VZHNfZ p5l:YT ZC[, VG[VZHNfZ[DNF GR! AFAT[~FPZqv EZl, ZHFIR9LGL GS, G D?I FGL TYF DHZ %, FGGL  
 hZMF GS, GL DFU6L SZl, P H[VUJ VZHNfZG[; [GFJ6L ; DI[H ZHFIR9LGL GS, 5Zl 5FOJFDAVEJl, KP H[VUJ VZHNfZ  
 ; [GFJ6LGF ZMHGL; LDA GS, D/JF AFAT[ ; CL SZl, K[ VG[ VZHNfZG[ %, FGGL GS, GL hZMF VF5JF HFCZ DFICTL  
 VIWSFZLV[; DIT NXFJl, KP

H[VUJ VZHNfZ[, FG hZMF GS, GL VFZP8LPVF. PGF IGI D D]HA ZSD EZJF V5L, SZl, KP VFYL HFCZ  
 DFICTL VIWSFZLV[SZl, IGI T 5]:TFJG[wI FG[ZFBL VZHNfZG[hZMF GS, BZ[BZ ZSD H6FJL 5Zl 5FOJFGL ZCP

C]SD

VZHNfZGL TFP! 5q\_\*qZ\_! \$ GL VZHLYL DFUJFDAVEJl, DFICTL 5SLGF DNF GR! VXT0 DFICTL DHZ  
 %, FG hZMFGL BZ[BZ ISDT EZ5F. SZJF VZHNfZGL V5L, VG[HFCZ DFICTL VIWSFZLV[hZMF GS, VF5JFGL ; DITG  
 wI FG[ZFBL %, FGGL hZMFGL BZ[BZ GS, GL ISDT VZHNfZG[H6FJL INGv\*DAhZMF GS, 5Zl 5FOJF HFCZ DFICTL VIWSFZL  
 ZFNZ hMGG[H6FJJFDAVEJl KP

GRJl: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPV|DPHZLJF, Ff  
 V[5[, [8 VF]0; Z VG[  
 SFI "5F, S . HGZ s5lZD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SP

GS, ZJFG4  
 s! f GF1 A ; IRJzL4U]HZFT DFICTL VFI MU4SD1 MUL EJG4 :8B , [J, VM0; L; 4 a, MS GR! 4 ZHMDF/4 GLZDF EJG EfK/4  
 ; [8Zv! \_vV] UFWLGUZv# (Z\_! \_  
 szf HFCZ DFICTL VIWSFZL VG(0%l [BL . HGZ40LPJLPRF[WZLs5lZD hMGfPPPPPHF6 TYF VD, DF8P  
 s#f DNNP HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HJGL . HGZzls5lZD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s\$f VF; LP GFD, VF]0; Z VG[VFZP8LPVF. P; [ 5]TTPPPPPPHF6 DF8P  
 s5f zL ZD[X SP HFULO4 TM]GL V5L, VZHL VUJp5ZGL IJUT[GAC]SD wJZF SZJFDAVEJl, IGSF, ; AA HF6 ; F~P

OLPV|DPHZLJF, F  
V[5[, ]B VMOL; Z VG[  
SFI "5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N]JZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; ]ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP**/GP\*\*qZ\_! \$  
TFP! Zv\_(vZ\_! \$

VZHNfZ ov zL ZD[X SP HFUJO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZvHPSPRFWZLsXCZ IJSF; fsJ]: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov 5I`RD hMGf SFI "f[+ ZFDGUZ BFT[CF, DFYTRAFWSFD AFATP

; NE"ov s! fV+GL VZHNfZGL TFP! Zq\_(qZ\_! \$ GL **SMC/WZ/FAP**/GP\*\*qZ\_! \$P  
sZf U]HZFT ZFHI DFICTL VFI MU V5L, GP\*(5#vZ\_! \$4TFP! \*q! ! qZ\_! \$

p5ZFST IJOFI VG[; NE" AFAT[H6FJJFG]S[ VZHNfZGL TFP&q\_&qZ\_! \$GL VZHLYL ZFDGUZ  
BFT[DZ, LWZ V5F8D]8GL AFH]DFA 8pZFD VFzDGL CF, DFYTRAFWSFD AFAT[IJSF; 5ZJFGUL DHZ %, FG IJUJZ  
AFATGF DNF GR! YL \* GL DFICTL DFUTL VZHL SZJFDA VEFJ, P HGF VG; WFG[ V+YL 5+ GRJ]: 8hMGq  
VFZP8LPVF. P; [ q &#4 TFP#! q\_ \*qZ\_! \$ YL VZHNfZG[DNF GR! YL \*GL DFICTL 5ZL 5FOJFDA VEFJ, P H]DFA DNF  
GR! 4\$ VG[5 GL DFICTL AFAT[GF6\FEZL DFICTL VF5JFGM 5]: TEJ SZ, KP H[VU[ VZHNfZ[DNF GR! 4\$ VG[5  
AFAT[VZHNfZG[; DI D] FNF SZT\IJ, \AYL 5]: TEJ SZ, CMI 4 ; NZ DFICTL VZHNfZG[IJGFD]I [ 5ZL 5FOJFDA  
VEFJ, P H[ DFICTL VZHNfZ[ 5ZT SZJFDA VEFJ, DFICTL V+[ TFPZ\$q! ! qZ\_! \$GF ZMH 5ZT D/[ KP  
VFZP8LPVF. PV\$8GL HMUJF. D]HA VZHNfZG[ DFICTL 5ZL 5FOJFDA VEFJ, CMI VG[ T[ DFICTL 5ZT SZL TG[  
DFICTLGL H~Z GYL T]J]DFGJFG[SFZ6 pt5gG YFI KP VZHNfZG[DFICTL AFAT[V; T]MF CMI VYJF VWZL DFICTL  
CMI TM T8, F 5ZTL H VFZP8LPVF. PV\$8GL S, Dv! )s! fD]HA 5]YD V5L, VIWSFZLG[ V5L, VZHL SZJFGL  
HMUJF. KP VZHNfZ[5ZT SZ, VZHIGF; NE[DNF GR\$45 GL DFICTL IAOf6 SIF" IJGF H DFICTL VWZL CMJFGL  
ZH]FT SZ, KP DNF GR\$45GL DFICTDFA DNF GR\$GL DFICTL DNF GR! D]HA H[VZHNfZG[DMS, JFDA VEFJ, CTLP  
HI FZ[DNF GR5 GL DFICTL 56 DNF GR\$ D]HA V8, [S[DNF GR\$GL DFICTL DNF GR! D]HA KP T]YL DNF GR! GL  
DFICTL VZHNfZG[DMS, JFDA VEFJ, CTLP VFYL DNF GR! 4\$45GL DFICTL VZHNfZG[IJGFD]I [ 5ZL 5FOJFDA VEFJ,  
KP H[5ZT SZ, KP

VZHNfZ[; NZ VZHL AFAT[ TFP#! q! \_qZ\_! \$GF ZMH ZFHI DFICTL VFI MUDFA ALHL V5L, SZ,  
KP H[V5L, GP\*(5\$q! \$4TFP! \*q! ! qZ\_! \$YL ZFHI DFICTL VFI MU S, Dv! )s&f D]HA 5]TJFNLG[; FE/JFGL  
TS I MU IG6" , . IJJFNLG[DFICTL D/L HFI T[ZLT[; ]GI`RT SZJF H6FJ, KP H[VU[V+YL 5+ GR J]: 8hMGq  
VFZP8LPVF. P; [ q ! \$&! 4 TFP! ! q! ZqZ\_! \$YL TFP! &q! ZqZ\_! \$GF ZMH ; ]GFJ6L D]ZZ SZJFDA VEFJ, P H]DFA  
VZHNfZ CFHZ ZCL VWZL DFICTL VF5JFDA VEFJ, KP DHZ %, FGGL ; FDGF OMSI D]8GL GS, GL DFU6L SZ, KP H[  
VU[HFCZ DFICTL VIWSFZLV[ID<STGF OMSI D]8GL GS, 5ZL 5FOJF; DIT NXF]J, KP

CSD

VZHNfZGL TFPZ&q\_&qZ\_! \$ GL VZHLYL DFUJFDfVfJl, DFICTL 5\$LGf DNF GR\$ VG[5 GL GIC  
5ZL 50FI l, DFICTL VFZP8LPVF. PV\$8GL S, Dv\*s&f C9/ INGv\*DFIJGFDkI [5ZL 5F0Jf HFCZ DFICTL VIWSEZL  
VG[0%l Bl . HGZ ZFNZ hMGG[H6FJJFDfVfJlKp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s0LPVDPHZLJf, ff  
Vf, B VfI0; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNzf  
; ZT DCFGUZ5FI, SFP

GS, ZJFGf  
s! f GFIA ; IRJzL4UHZFT DFICTL VFI MU4SD1 MUL EJG4 :8B , l, VMO; L; 4 a, MS GR! 4 ZHMDF/4 GLZDF EJG EfK/4  
; \$8Zv! \_vVf UFWLGUZv#(Z\_! \_  
sZf HFCZ DFICTL VIWSEZL VG[0%l Bl . HGZ4HPSPRfWZls5IzD hMGfPPPPPHF6 TYF VD, DF8P  
s#f DNGLX HFCZ DFICTL VIWSEZL VF; lP. HGZzL VG[HGL . HGZzls5IzD hMGvZFNzFXCZ lJSE; PPPHF6 TYF VD,  
DF8P  
s\$F VF; lP GFD, VfI0; Z VG[VFZP8LPVF. P; l, 5lTPPPPPPHF6 DF8P  
s5f zL ZDx SP HFUL04 TMIGL V5L, VZHL VU[p5ZGL lJUTGfCSD wJZF SZJFDfVfJl, lGSF, ; AA HF6 ; F~P



OLPVDPHZLJF, F V5L, 8 VMOL; Z VG SFI 5F, S . HGZ		; ZT DCFGUZ5FI, SF 5LüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; ZT v #) 5 ___)P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP~~/GP\* (qZ\_! \$  
 TFP! &v\_(vZ\_! \$

VZHNfZ ov zL ZDIX SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VM, 0%l Bl . HGZsXCZ IJSF; fsJl; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov TFP\_! q\_! qZ\_! \$YL VtIFZ ; JWL YIj, SFDULZL AFATP

; NE"ov V+GL VZHNfZGL TFP! &q\_(qZ\_! \$ GL ~~SMC/WZ/FAP~~/GP\* (qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFP&q\_&qZ\_! \$GL VZHLYL VZHNfZ  
 TFP\_! q\_! qZ\_! \$ YL ZFNZ hMGf SFI 1F+ DfSFRF VG[5FSF AFWSFDMOLDM, XG ; NE[DNF GR! YL # GL DFICTL DFUTL  
 VZHL SZJFDA VFJ, P HGF VG; WFG[HFCZ DFICTL VIWSFZL VG[0%l Bl . HGZ ZFNZ hMG TZOYL VZHNfZG[5+ GR  
 Jf; 8hMGqVFZP8LPVF. P; j, q\*5Z4TFP! Zq\_(qZ\_! \$ YL GS, M ; ICTGL DFICTL NOTZL p5, aW CSLST, 1FL DFICTL  
 ; DI DIFNF AFN VF5j, CMJFYL IJGFDkI[ VFZP8LPVF. PGF SFI NFGL HMUJF. DHA S, Dv\*s&f C9/ DFICTL 5ZL  
 5FOJFDA VFJ, KP VZHNfZ[H[ VU] TFP! &q\_(qZ\_! \$GF ZMH 5YD V5L, SZL OLDM, XG YIj, L ID<STGM ZS0" GYIP  
 DNF GRZGM ; L, S. TFZLB[DFZJFDA VFJ, P TPA CFHZ VIWSFZL CMNFGI IJUT TYF DNF GR# ; L, OZLYL BM, JFDA  
 VFJ, TGL DHZL 5+GL GS, 5ZL 5FOj, G CMI VWZL DFICTL ; NE[ 5YD V5L, SZJFDA VFJ, KP  
 VFZP8LPVF. PV8GL S, Dv ZF VG[ZJ DHA HFCZ DFICTL VIWSFZL 5F; jL VG[NOTZL p5, aW CSLST, 1FL DFICTL  
 5ZL 5FOJFGL HMUJF. KP H[DFICTL HFCZ DFICTL VIWSFZLV[ VZHNfZG[5ZL 5FOJFDA VFJ, KP VZHNfZ[H[DFICTL  
 NOTZL p5, aW GYL TjL DFICTLGL V5L, TASS[DFU6L SZj, KP H[SFI NF ; FY[; j] UT GYL TD KTR; NZ DFICTL NOTZL  
 p5, aW AFAT[VZHNfZ BFTZL SZL XS[V[DF8]. g: 5\$XG 5Zj]5FOJFG)ZCP

CJSD

VZHNfZGL TFP&q\_&qZ\_! \$ GL VZHLYL DFUJFDA VFJ, DFICTL 5SL VZHNfZ V5L, TASS[ H  
 IJQFI J: T] ; AW[NOTZL p5, aW G CMJFYL DFICTL AFAT[ . g: 5\$XG SZL RSF; 6L SZL TGL BFTZL SZL XS[KP H[ VU]  
 VZHNfZ HFCZ DFICTL VIWSFZLGM VMIO; SFDSFH NZdI FG INGv\* DAVFUMTZM; DI D/JL . g: 5\$XG D/JJFG)ZC[KP  
 VZHNfZ[ VFYL DFU6L SI jYL HFCZ DFICTL VIWSFZLV[ . g: 5\$XG 5Zj]5FOJF HFCZ DFICTL VIWSFZL  
 VG[0%l Bl . HGZ ZFNZ hMG[H6FJJFDA VFJ[KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, ff  
 V5L, 8 VFQ; Z VG  
 SFI 5F, S . HGZ s5LzD hfGvZFNZf  
 ; ZT DCFGUZ5FI, SP

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[VM, 0%l Bl . HGZ s5LzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HjL . HGZzls5LzD hMGvZFNZFXCZ IJSF; PPPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GFQ, VFQ; Z VG[VFZP8LPVF. P; j, 5]TPPPPPPHF6 DF8P  
 s\$F zL ZDIX SP HFULO4TVMGL V5L, VZHL VU[p5ZGL IJUTGFC]SD wJFZF SZJFDA VFJ, IGSF, ; AA HF6 ; F-P

OLPV DPHZLJF, F V[5[,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL G<sup>PSMC/WZ/FAP/GP\*</sup>)v(\_qZ\_! \$  
 TFPZ! v\_(vZ\_! \$

VZHNfZ ov zL ZD|X SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|VM, 0%| |BL . HGZsXCZ IJSF; fsJ|: 8 hMGF  
 OZLI FNGL CSLST ov

IJOFI ov VZHNfZGL TFPZ\_q\_&qZ\_! \$GL VF. POLPGRZ\*)4Z(\_4Z(! 4Z(Z S|, v\_ \$ VZHLYL  
 DFUJFDVVFJ|, DFICTL AFATP  
 ; NE"ov V+GL VZHNfZGL TFPZ! q\_(qZ\_! \$ GL **SMC/WZ/FAP/GR\***)v(\_qZ\_! \$P

p5Zf|T IJOFI VG|; NE" AFAT|H6FJJFG|S|VZHNfZ| TFPZ\_q\_&qZ\_! \$GL VZHLYL TFPZ(q\_#q! ! AFN  
 ZFNZ hMGF SFI 1f|+D| DHZ % , FG IJ~wW d| |PSIDxGZzL4IJHL, g; IJEFUGF ZL5M8" 5+ VG| VC|JF, TYF IODM, LXGGL  
 SFI "JFCL T|DH ID<STNFZMG| 5F9JJFDV VFJ|, GMBLXM AFAT|DFICTL DFUTL TYF SFI "5F, S . HGZGL AFWSFD AFAT|GL GMW  
 VG|RSF; 6L AFAT TFPZ\_q\_&qZ\_! \$GF ZMH H|NL H|NL +6 ^ V|S VZHL SZJFDV VFJ|, KP ; NZ VZHL AFAT|ZFNZ hMG  
 TZOYL 5+GR J|: 8hMGq VFZP8LPVF. P; |, q5Z\*45Z(4TFP\_5q\_\*qZ\_! \$ T|DH 5+ GRJ|: 8hMGq VFZP8LPVF. P; |, q5\*)4  
 TFP! 5q\_\*qZ\_! \$ TYF 5+ GR J|: 8hMGq VFZP8LPVF. P; |, q5\*(4 TFP! \$q\_\*qZ\_! \$ YL VZHNfZG| . g: 5|SXG SZL DFICTL  
 D|/JJF HFCZ DFICTL VIWSFZLV|IGI T ; DI VJIWDA5|: TEJ SZ|, KP

p5ZMST +6| VZHLVM ; NE| VZHNfZ| TFPZ! q\_(qZ\_! \$GF ZMH 5|YD V5L, VZHL SZ|, KP H|  
 VFZP8LPVF. PSFI NFGL S, Dv! )s! f D|HA H|DFICTL G D|/TM VYJF TMD|/|, DFICTLYL GFZFHUL AFAT|INGv#\_D|5|YD  
 V5L, SZJFGL ZC|KP VZHNfZGL V5L, VZHL ; DI DI FNF AFNGL CMI 4 VFZP8LPVF. PSFI NFGL H|MUJF. D|HA V5L, U|CI  
 ZFBJL S|G ZFBJLm T|VU|V5L, VIWSFZLGF IG6" 5Z IGZEEZ ZC|KP SFI NF D|HA VFJL V5L, U|CI ZFBJF VU|IJ, IAT  
 V5L, VZHLG|)SFZ6 H6FJJFG|ZC|KP H|VU|VZHNfZ|V5L, VZHLDAIJ, IAT V5L, VZHL VU|SM. SFI N|; ZG|SFZ6  
 H6FJ|, GYL TD KTR|SFI NFGL 5FZXSTFGMC|T|w| FG|ZFB| ; NZ V5L, w| FG|, |JFDV VFJ|, KP

VZHNfZ|TDGL V5L, VZHLDAHFCZ DFICTL VIWSFZLV|+6|VZHLVMGF H|NF H|NF VF5|, HJFAMG|; | |ST  
 ZLT| E|JF SZL V|S V5L, SZJFDV VFJ|, KP VFD 56 VZHNfZGL +6 ^ V|S VZHLVMGL DFICTL ; DI UF/M  
 TFPZ(q\_#qZ\_! ! AFN VG|; ZBF IJOFI J: T| AFWSFDGL DFICTL AFAT|CMI +6|VZHLVMG|; | |ST ZLT| E|JL SZL|G|V|S H  
 V5L, DAT|GM; DFJX SZJFDV VFJ|, KP

VZHNfZ|V5L, VZHLDAZ|S0" T5F; JFGM . gSFZ SZ|, K|T|DH VZHNfZ|INGv#\_ AFN 56 HFCZ DFICTL  
 VIWSFZL wJFZF SZ|, HJFA VF5JFDV VFJ|, GYL T|JL N, L, SFI NF ; FY|; |; UT GYLP SFZ6 S|VZHNfZ|BN V5L, VZHLDA  
 TFP\_5q\_\*qZ\_! \$4TFP\_5q\_\*qZ\_! \$ VG|TFP! 5q\_\*qZ\_! \$4 TFP! \*q\_\*qZ\_! \$ Z|S0" RSF; JFGM p<, |B H6FJ|, KP VFYL  
 +6 ^ V|S 5+GM 5|: TEJ IGI T ; DI VJIWDA YI|, CMI VG|IJ, IAT V5L, w| FG| ZFB| IJGFD| DFICTL VF5JF AFAT|  
 VFZP8LPVF. PGF SFI NFGL H|MUJF. VM ; FY| VZHNfZGL V5L, GL NFNG| ; DYG D|/T| GYLP JWDV VZHNfZ| Z|S0" RSF; 6L  
 SZJFGM . gSFZ V| 56 DFICTL G D|/JJFGM . gSFZ ; DFG KP VFZP8LPVF. PSFI NFGL S, Dv\*s) fGL H|MUJF. D|HA VG|  
 VZHNfZG| VFZP8LPVF. P SFI NFGL S, Dv5sSfGL HFCZ DFICTL VIWSFZLGL D|/L ; tTFGL ~V| 56 HFCZ DFICTL VIWSFZL  
 T5F; 6L AFAT| IG6" SZJF ; 1FD KP VFYL VZHNfZ| DFU| L DFICTL 56 TFPZ(q\_#qZ\_! ! YL RFZ JQF" H|B, F , FAF  
 ; DI UF/FGL TYF ; DU|hMGGL DFICTL DFU|, KP H|VU|HFCZ DFICTL VIWSFZLV|VZHNfZG|VF5|, DFICTLGF 5|: TEJ AFAT|  
 AFCI : +MTGM p<, |B SZ|, K|T|DH ; ZSFZL DI FINT ; FWGM VG|AFCI : +MTM HMTF HFCZ DFICTL VIWSFZLV|VF5|, DFICTL  
 VUJGM 5|: TEJ SFI NFGL S, Dv\*s) f VG|DI FINT ; FWGM IJUJZ|H|MUJF. ; FY|; |; UT CMI 5|: TEJ SZ|, KP VFD HFCZ DFICTL  
 VIWSFZL TZOYL TDFD H|MUJF. VMG|w| FG| ZFB| VZHNfZG|DFICTL 5ZL 5FOJFGM 5|f; SZJFDV VFJ|, K|TD 5|T5FNLT  
 YFI KP

CSD

VZHNFZGL TFPZ\_q\_&qZ\_! \$ GL +6 ´ V\$ VZHL AFAT[ SZ[ IJ, \AT V5L, VG[ HFCZ DFICTL  
VIWSFZLV[+6 ´ V\$ VZHLDRAIGIT ; DI AFN V5L, SZ[ CMI 5;TFJ VG; WFG[VZHNFZ DFICTL D/JJF DFUTF CMI TM  
HFCZ DFICTL VIWSFZLGF SZ[ 5;TFJ VG; FZ VFZP8LPVF. P SFI NFGL S, Dv\* VG[IGI D v5 D]HA DFICTL D/JJF :JT+  
Kp

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, FF  
V\$[ B VF]O; Z VG[  
SFI 5F, S. HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFGF  
s! f HFCZ DFICTL VIWSFZL VG[VM, O%i B. HGZ s5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[H]GL . HGZzIs5IzD hMGvZFNZfXFCZ IJSF; PPPHF6 TYF VD,  
DF8P  
s#f VF; LP GFD, VF]O; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s\$f zL ZDx SP HFU104 T]MGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJFZF SZJFDAVEJ, IGSF, ; AA HF6 ; F-P

OLPVDPHZLJF, F V5[, B VMOL; Z VG[ SFI 5F, S . HGZ		; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4 gl ]ZFNZ ZMO4; ZT v #) 5 ___)P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP/GR~~(! qZ\_! \$  
 TFPZ! v\_(vZ\_! \$

VZHNfZ ov zL ZDIX SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ sJLPVDPDMLfsXCZ IJSF; fsJ]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ; ZNFZ A]HGL GLR[; ZLTF ; S], GL AFH]DFAVfJ, ; MG, Obj; L -M FJF/L ID<ST AFATP  
 ; NE"ov V+GL VZHNfZGL TFPZ! q\_(qZ\_! \$ GL ~~SMC/WZ/FAP/GR~~(! qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFP\_)q\_\*qZ\_! \$GL VZHLYL 8LP5LP! #  
 sV0FH6fDFA TF5L ISGFZF 5Z VFJ, ; ZLTF ; S], GL AFH]DFA; MG, Obj; L -M FJF/L ID<STGF ARWSFD4 5ZJFGUL TYF  
 0B5FY SJO"TYF SFI "JFC14 , MSXG VG[VIWSFZL AFAT[DNF GR! YL 5 GL DFICTL DFUJFDFAVFJ, KP H]HFCZ DFICTL  
 VIWSFZL TZOYL VZHNfZG[ 5+ GRJ]: 8hMGqVFZP8LPVF. P; , q\*#Z4 TFP\_\*q\_(qZ\_! \$ YL IGIT ; DI VJIWDA  
 VZHNfZG[5ZL 5F0JFDFAVFJ, KP

; NZ AFAT[VZHNfZ[TFPZ! q\_(qZ\_! \$GF ZMH IGIT ; DI UF/FDADFICTL 5ZL 5F0JFDFAVFJ, G CMI  
 DFICTL D]/JJF 5YD V5L, VZHL SZ, KP HFCZ DFICTL VIWSFZL TZOYL VZHNfZGL TFP\_)q\_\*qZ\_! \$GL VZHL  
 AFAT[TFP\_\*q\_(qZ\_! \$GF ZMH DFU] F DJHA NOTZL p5, aW DFICTL G CMJFG[SFZ6[T]D]HA HJFA 5F9J, KP VZHNfZ[  
 V5L, IJGFD]I [DFICTL DFU6L AFAT[H6FJJFG]S[VZHNfZG[+L; DAINJ; [HJFA VF5], CMI 4VFZP8LPVF. PSFI NFG  
 S, Dv\*s#fs! fGL HMUJF. DJHA V5L, DADFICTL 5ZL 5F0JFDFAG VF]I FGL ZH]VFTG[; DYG D/T]GYLP DFICTL G  
 D?IFGL VZHNfZ V5L, ZH]VFT wIFG[, . VZHNfZG[ CSLST, 1FL DFICTL VU[ 5]Go GS, 5ZL 5F0JF HFCZ DFICTL  
 VIWSFZLG[H6FJLVP

C]SD

VZHNfZGL TFP\_)q\_\*qZ\_! \$ GL VZHLYL DFUJFDFAVFJ, DFICTL HFCZ DFICTL VIWSFZL TZOYL  
 NOTZL p5, aW CSLST, 1FL DFICTL ; DI VJIWDA5ZL 5F0JFDFAVFJ, K[T]D KTRAVZHNfZ[DFICTL G D?IFGL V5L, GL  
 ZH]VFT wIFG[, . VF5], DFICTLGL GS, 5]Go 5ZL 5F0JF 0%I ]BL . HGZ VG[HFCZ DFICTL VIWSFZLG[H6FJFDFAVFJ]  
 KP

GRJ]: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPDPHZLJF, ff  
 V5[, B VF]O; Z VG[  
 SFI 5F, S . HGZ s5IzD hfGvZFNZf  
 ; ZT DCFGUZ5FI, SF

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ sJLPVDPDMLfs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[H]GL . HGZzIs5IzD hMGvZFNZfXFCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GFD, VF]O; Z VG[VFZP8LPVF. P; , 5]TPPPPPPHF6 DF8P  
 s\$F zL ZDIX SP HFULO4 T]MGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJZF SZJFDFAVFJ, IGSF, ; AA HF6 ; F-P

OLPVDPHZLJF, F V[5[, [B VMOL; Z VG[ SFI '5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA N[UZ; ZMO4 TFOJFOL4 gl ] ZFNZ ZMO4; [ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G<sup>PSMC/WZ/FAP/GR</sup>(\$qZ\_! \$ TFPZ(v\_(vZ\_! \$

VZHNfZ ov zL ZD[R\$ DU/NF; DF/L

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZsOLPJLPRF[WZLfsXCZ IJSF; fsJ[; 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov 8LP5LP! \$sZFNZvVOFH6f40FP%, NB GR\$\_ AFATP

; NE"ov V+GL VZHNfZGL TFPZ(q\_(qZ\_! \$ GL **SMC/WZ/FAP/GR**(\$qZ\_! \$P

p5ZF\$T IJOFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZGL TFP! )q\_5qZ\_! \$GL DFICTL DFUTL  
 VZHL HFCZ DFICTL VIWSFZL OFI Z\$8Z VMO 8fpG %, FGZ4 ; LJLS ; [j8Z BFT[ ; AMWTL VZHL[ SZJFDA VEFJ, P T[ ; [j8Z  
 hMG TZOYL 5+ GR ; [j8Z hMGqVFP8LPVF. PHFJSq55 (4TFP! q\_5qZ\_! \$YL GFI A XCZ IJSF; VIWSFZL Dwl :Y XCZ  
 IJSF; G[ TANL, SZJFDA VEFJ, P H[ GFI A XCZ IJSF; VG[ HFCZ DFICTL VIWSFZL Dwl :Y XCZ IJSF; TZOYL 5+  
 GR8LPOLPVMq VFP8LPVF. Pq\$\_\*4TFP! 5q\_\*qZ\_! \$ YL 0%l [BL . HGZ VG[ HFCZ DFICTL VIWSFZL ZFNZ hMGG[ TANL,  
 SZJFDA VEFJ, P H[ VZHL V+Yl 5+ GRJ[; 8hMGqVFP8LPVF. P; [ q&& (4TFP#! q\_\*qZ\_! \$ YL 0%l [BL . HGZ XCZ  
 IJSF; VIWSFZL VG[ HFCZ DFICTL VIWSFZL Dwl :Y XCZ IJSF; IJEFUG[ 5]Go TANL, SZJFDA VEFJ, P H[ VU[ HFCZ  
 DFICTL VIWSFZL . PRPFGFI A XCZ IJSF; VIWSFZL TZOYL 5+ GR 8LPOLPVMqVFP8LPVF. Pq5\$\_4TFPZ5q\_(qZ\_! \$YL  
 VZHNfZG[; NZC]VZHL TANL, VG[OF. , VU[DFICTL 5ZL 5FOJFDA VEFJ, KP

VZHNfZ[SFI '5F, S . HGZ VG[V5L, VIWSFZLG[TP\_&q\_(qZ\_! \$GF ZMH 5YD V5L, VZHL ; [j8Z  
 hMG BFT[SZJFDA VEFJ, P H[ ; [j8Z hMG TZOYL V5L, VIWSFZL XCZ IJSF; VG[Dwl :Y XCZ IJSF; G[ 5+ GR; LPHdq  
 VFP8LPVF. PqVfp8q! 5\_! 4TFP\_\*q\_(qZ\_! \$ YL TANL, SZJFDA VEFJ, P H[ V5L, VIWSFZL XCZ IJSF; TZOYL 5+  
 GR8LPOLPVMGRZ5Z4TFPZ5q\_)qZ\_! \$YL SFI '5F, S . HGZ ZFNZ hMGG[ SZJFDA VEFJ, P HDA V5L, VIWSFZLV[ ; NZC]  
 %, FG ZFNZ hMGDAVDH[Z YI[, CMI TGL D[ OF. , tI fVCMi TGL DFICTL 5ZL 5FOJF H6FJ[, KP

; NZC]VZHL VG[V5L, 5[ GJF/L IJUTM wIFG[ , [TF HM OF. , ZFNZ hMG BFT[CMI TM ; NZC] OF. ,  
 VZHNfZG[HM SM. DFICTLGL H~Z CMI TM T[G]. g: 5\$XG VF5L NOTZL p5, aW Z\$0GL DFICTL 5ZL 5FOJFGL YFI P 5ZT]  
 HM VZHNfZ[V5L, VU[VZHL DATSZFL AFATGM 51F XCZ IJSF; IJEFUG[ , UTM CMI T[; NE[GL DFICTL Dwl :Y XCZ  
 IJSF; IJEFUDFYI D[JJFGL ZCP

CSD

VZHNfZGL TFP! )q\_5qZ\_! \$ GL VZHL 5\$Z ZFNZ hMG SFI 'f[+ C9/ VEFJTL DFICTL ; NE[VZHNfZG]  
 , FUT OF. , G[. g: 5\$XG SZL RSF; 6L SZL TGL BFTZL SZL XS[ KP H[ VU[VZHNfZ HFCZ DFICTL VIWSFZLGM VMO;  
 SFDSFH NZdI FG INGv\*DAVFUMT ZM; DI D[ JL . g: 5\$XG D[JJFGL ZC[ KP

GRJ[; 8 hMGqVFP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, FF  
 V[5[, [B VFI0; Z VG[  
 SFI '5F, S . HGZ s5lzd hFGvZFNZf  
 ; [ZT DCFGUZ5FI, SF

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ sOLPJLPRF[WZLfs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
 sZF DNGLX HFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[H]GL . HGZzls5lzd hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#f VF; IP GF0, VFI0; Z VG[VFP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$F zL ZD[R\$ DU/NF; DF/L4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDA VEFJ, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ] ZFNZ ZM04; ZT v #) 5 ___) P OMGo_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G~~PSMC/WZ/FAP/GR~~(5qZ\_! \$  
 TFP#\_v\_(vZ\_! \$

VZHNfZ ov zL ZDIX SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l B]. HGZs; LPALPJ; FJffsXCZ IJSF; fsJl; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 8LP5LP:SLD GR! \_s5F, f4VDP5LP! \$! 4a, MS GRZ&5DFAVFEJ, ; FZJL, F ; M; FI 8LGF  
 ; A %, MB GR54&4\*DFYI l, AFWSFD AFATP

; NE" ov V+GL VZHNfZGL TFP#\_q\_(qZ\_! \$ GL ~~SMC/WZ/FAP/GR~~(5qZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[H6FJJFG]S[VZHNfZGL TFPZ(q\_\*qZ\_! \$GL DFICTL DFUTL VZHL  
 HFCZ DFICTL VIWSFZL ZFNZ hMG BFT[SZJFDAVFEJ, P HDA8LP5LP! \_s5F, f4 VDP5LP! \$! 4a, MS GRZ&5DFA; FZJL, F  
 ; M; FI 8LGF ; A %, MB GR54&4\* GF AFWSFD AFAT[OLDM, LXG IGI DAww VG]. d5S8 OL AFAT[DNE GR ! YL \$ GL DFICTL  
 DFUTL VZHL SZ, P HGF VG; WFG[ HFCZ DFICTL VIWSFZL VG[ 0%l B]. HGZ ZFNZ hMG TZOYL 5+ GRJl; 8  
 hMGqVFZP8LPVF. P; l, q\*554 TFP! \$q\_(qZ\_! \$ YL IGI T ; DI VJIWDAVZHNfZG[GF6AEZL GS, D/JJF TYF DFICTL  
 5ZL 5FOJFDAVFEJ, KP H[VU[VZHNfZ[TFPZ! q\_)qZ\_! \$GF ZMH ~FP\_(qv EZL DFICTL D/JJ, KP

H[VU[VZHNfZ[DNE GR#4\$ AFAT[DFICTL G D?IF ; NE[TFPZ5q\_(qZ\_! \$GF ZMH V5L, VIWSFZL4  
 ZFNZ hMG[5YD V5L, VZHL SZJFDAVFEJ, P HDA]DNE GR\$DA. d5S8 OIGL VZHL SI"AFN SFI"JFCL TYF H[VIWSFZL  
 ZL5M8"TI FZ SI"CM TGF GS, GL DFU6L SZ, KP HFCZ DFICTL VIWSFZLV[VF5, DFICTL HMTF ; NZ DFICTLGM ; DEJX  
 YTMGYLP VFYL ; NZ DFICTL NOTZL p5, aW CMI TMVZHNfZG[5ZL 5FOJFGL ZCP

CJSD

VZHNfZGL TFPZ(q\_\*qZ\_! \$ GL VZHLYL DFUJFDAVFEJ, DFICTL 5SL NOTZL CSLSTDAH6FI l, GIC  
 5ZL 5OFI l, NOTZL p5, aW DFICTL VFZP8LPVF. P V\$8GL S, Dv\*s&f C9/ INGv\*DAVZHNfZG[5ZL 5FOJF 0%l B].  
 . HGZ VG[HFCZ DFICTL VIWSFZL ZFNZ hMG[H6FJJFDAVFEJ]KP

GRJl; 8 hMGqVFZP8LPVF. PqGR TFZLBov v vZ_! \$P	SOLPVDPHZLJF, ff V[5[, B VFIO; Z VG[ SFI 5F, S . HGZ s5lzd hFGvZFNZf ; ZT DCFGUZ5FI, SFP
---	---

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[0%l B]. HGZ s; LPALPJ; FJfs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HJL . HGZzls5lzd hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GFQ, VFIO; Z VG[VFZP8LPVF. P; l, 5]TPPPPPPHF6 DF8P  
 s\$F zL ZDIX SP HFULO4 TMMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDAVFEJ, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4 gl ]ZFNZ ZMO4; [ZT v #) 5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
---	---	---

V5L, VZHL G~~PSMC~~/WZ/FAP/GP (&qZ\_! \$ TFP\_Zv\_)vZ\_! \$

VZHNfZ ov zL ZD[X SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZsOLP[LPRF\WZLfsXCZ IJSF; fsJ[: 8 hMGF  
 OZLI FNGL CSLST ov

IJOFI ov 8LP5LP:SLD GR! ! sV0FH6f4VDP5LP&! DAVFJ[, ; ]I '5Z ; M; FI 8LGF %, NB GR! DAVYTA  
 AFWSFD AFATP  
 ; 'NE" ov V+GL VZHNfZGL TFP\_Zq\_)qZ\_! \$ GL ~~SMC~~/WZ/FAP/GR (&qZ\_! \$P

p5ZFST IJOFI VG[ ; 'NE" AFAT[H6FJJFG]S[ VZHNfZ[8LP5LP! ! sV0FH6f4 VDP5LP&! DAVFJ[, ; ]I '5Z  
 ; M; FI 8LDA %, NB GR! DAVAFWSFD AFAT[. d5]8 OL C9/GF N:TFJ]HML GS, M ZL5M84 SFI "ff+ C9/GF VIWSFZLVM AFAT[  
 DNF GR! YL 5 GL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL ZFNZ hMG[G]SZJFDVAVFJ[, P H[AFAT[HFCZ DFICTL VIWSFZL  
 ZFNZ hMG TZOYL 5+ GRJ[: 8 hMGqVFP8LPVF. P; [, q\*\$54 TFP! ! q\_(qZ\_! \$ YL DNF GR! YL 5GL DFICTL IGI T ; DI  
 VJIWDA5ZL 5FOL VG[N:TFJ]HMAFAT[OL EZ5F. SZJF 5]:TFJ SZJFDVAVFJ[, P H[VU[VZHNfZ[DNF GR! GL DFICTL AFAT[  
 ~FP! ! &qv4 TFP\_Zq\_)qZ\_! \$GF ZMH EZ5F. SZL DFICTL D[/J[, KP 5ZT]VDMGLIF %, FGGL GS, GF ~FPZ\_Z&qv VZHNfZ[  
 GF6AEZL DFICTL D[/JJF . gSFZ SZL V5L, SZ[, KP

VZHNfZ[TFP\_Zq\_)qZ\_! \$GF ZMH V5L, VIWSFZL ZFNZ hMG[G]DNF GR! DHZ %, FGGL GS, AFAT[BZ]BZ  
 BR" J; ], CMUF KTF HFCZ DFICTL VIWSFZLG[ BZ]BZ ZSD H6FJJF V5L, SZ[, KP VZHNfZGL V5L, HFCZ DFICTL  
 VIWSFZLG 5]:TFJ HMTF VZHNfZ D[/ VZHLDA5M. hZMF GS, GL DFU6L SZ[, GYLP JWDVAVZHNfZ[BZ]BZ J; ], JFGMCMUF  
 KTF HFCZ DFICTL VIWSFZLV[UZDFU[NMZJFGL ZH]VFT V:YFG[KP SFZ6 S[HI FZ[VZHNfZ[GS, AFAT[SZ[, :508TF GF CMI  
 tIFZ[HFCZ DFICTL VIWSFZL VDMGLIF ZM, GL GS, S[hZMF GS, H[p5, aW CMI TGF VFWFZ[ DFICTL D[/JJF GF6AEZL  
 5]:TFJ SZ[, KP VZHNfZ[5MTFGL D[/ VZHLDA5M hZMF GS, VJL DFU6L SZ[, CMI TM BZ]BZ BR" AFATGM 5]:TFJ HFCZ  
 DFICTL VIWSFZL ZH]SZL XSP VFYL VZHNfZGL V5L, DAUZDFU[NMZGFZ ZH]VFT VFZP8LPVF. PGL S, D ; FY[ ; ] UT GYLP H[  
 VZHNfZ hZMF GS, D[/JJF . rK]S CMI TM HFCZ DFICTL VIWSFZLGM ; '5S"SZL T]JL GS, D[/JL XS[KP

CSD

VZHNfZGL TFPZ (q\_\*qZ\_! \$ GL VZHLYL DFUJFDA VEFJ, DFICTL 5SL DNF GR! GL VXT0 VDMGLIF  
 HuIFV[hZMF GS, GL DFU6L DF8[VZHNfZ HFCZ DFICTL VIWSFZLGM VMO; SFDSFH NZdIFG VFUMTZM ; DI INGv\*DA  
 D[/JL hZMF GS, D[/JL XS[KP

HFCZ DFICTL VIWSFZL VZHNfZGL VEFJL DFU6L YI ]YL NOTZL p5, aW ZS0GL hZMF GS, VFZP8LPVF. P  
 SFI NFGL S, Dv\*s#f VG[IGI Dv5 DJHA 5ZL 5F0JF H6FJJFDVAVFJ[KP

GRJ[: 8 hMGqVFP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, ff  
 V[5[, [B VFI0; Z VG[  
 SFI 5F, S . HGZ s5lzd hFGvZFNZf  
 ; [ZT DCFGUZ5FI, SF

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ sOLP[LPRF\WZLfs5lzd hMGFPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HGL . HGZzls5lzd hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GF0, VFI0; Z VG[VFZP8LPVF. P; [, 5]TPPPPPPHF6 DF8P  
 s\$F zL ZD[X SP HFULO4 T]MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDVAVFJ, IGSF, ; AA HF6 ; F~P

OLPVDPHZLJF, F  
V5[, B VMOL; Z VG[  
SFI '5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NÜZ; ZM04 TFOJF0L4  
gl ] ZFNZ ZM04; ZT v #) 5 \_\_\_) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>PSMC/WZ/FAP</sup>/GP (\*qZ\_! \$  
TFP\_#v\_) vZ\_! \$

VZHNfZ ov zL I5S, 5Dk, R§ 3LJF/FsT+Lv; DFwFG gl Jhf  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[N§FG VG[; \ YFVMGF IGZL1FS sJf; 8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov ; ZT XCZ Sß, L : YFIGS RG, MG[, FI ; g; VF5JFDFVFEJ, KP SI F JOFDAS. RG, G[  
, FI ; g; VF5JFDFVFEJ, Kß! ) ) 5 YL VFHING ; WJGL TDFDF JUZ[DNF GR! YL 5  
GL DFICTL AFATP  
; NE"ov V+GL VZHNfZGL TFP\_#q\_) qZ\_! \$ GL <sup>SMC/WZ/FAP</sup>/GR (\*qZ\_! \$P

p5ZFST IJOFI VG[; NE" AFAT[H6FJJFG]S[VZHNfZ[TFP! \*q\_&qZ\_! \$GL DFICTL DFUTL VZHL HFCZ  
DFICTL VIWSFZL S, §8ZzL4 HG; '5S" VIWSFZL 8] S, §8Z4 5LPVFPVMP XFBF BFT[ SZJFDF VFEJ, P H[ 5LPVFPVMPq  
VFZP8LPVF. PqZHL GR\*5&q! \$4 TFP! )q\_&qZ\_! \$ YL s! f DFD, TNFZ ; L8L4DHZfqpWGFqV0FH6qSTFZUFDq5]6f TDH  
DGHZzL4 ALPV; PVGPV, PTYF SMDXL", DGHZzL 8MZj8 5FJZ TDH dI ]G; L5, SIDxGZzL4 ; ZT DCFGUZ5FI, SF TDH  
VIW1FS . HGZzL4 OLPHLPJLP; LPV, H[VZHL VXT0 TANL, SZJFDF VFEJ, P H[Dwl :Y SRZL SP GRHLv\*)! GMWFI, P H[  
Dwl :Y SRZL GR; Lv! (\$\_4 TFP! )q\_(qZ\_! \$GF ZMH HFCZ DFICTL VIWSFZL VG[0%] BL . HGZ TDFD hMGG[TANL, SZ, P  
H[V+[Jf; 8hMG TFPZ! q\_(qZ\_! \$4 VF. POLPGR5\_& YL GMWFI, P

VZHNfZG[ HFCZ DFICTL VIWSFZL VG[ N§FG VG[; \ YFVMGF IGZL1FS TZ0YL 5+ GRJf; 8 hMGq  
VFZP8LPVF. P; [ q)\_(4TFP! \_q\_)qZ\_! \$ YL DFICTL 5ZL 5FOJFDF VFEJ, KP HY[ VZHNfZ[ TFP#\_q\_\*qZ\_! \$GF ZMH  
DFICTL G D?IFGL VG[ SM. 56 5]TEFJ G D?IFGF AFATG] SFZ6 H6FJL TFP#\_q\_\*qZ\_! \$GF ZMH S, §8ZzL4 IH<, F  
; [JF; NGvZ4 V9JF, F. g; 4; ZTG[ 5YD V5L, VZHL SZ, P H[ GR5LPVFPVMPqVFZP8LPVF. P V5L, GR! \*&4  
TFP\_\*q\_(qZ\_! \$ YL GFIA S, §8ZzL4 ; L8L 5FT4 ; ZTvSIDxGZzL4 ; ZT DCFGUZ5FI, SF4 ; ZTvHGZ, DGHZzL4  
ALPV; PVGPV, P4 ; ZTG[ 5YD V5L, VZHL TANL, SZ, P H[Dwl :Y SRZL GR; lq! ) )! 4 TFPZ(q\_(qZ\_! \$ YL V5L,  
VIWSFZL VG[ SFI '5F, S . HGZ TDFD hMG 5]T TANL, SZJFDF VFEJ, P V5L, GL TFZLB HMTFA VZHNfZG[  
TFP! \_q\_)qZ\_! \$GF ZMH VF5JFDF VFEJ, HJFADF. g; 5\$XG SZJF VU[5]; TFJ SZ, CMI TYL VZHNfZG[ 5Go TS 5ZL  
5FOJF OZL . g; 5\$XG OF/JJF HFCZ DFICTL VIWSFZL VG[N§FG VG[; \ YFVMGF IGZL1FS4ZFNZ hMGG[H6FJLVP

CSD

VZHNfZGL TFP! \*q\_&qZ\_! \$ VG[V+[Jf; 8hMG TFPZ! q\_(qZ\_! \$ YL DFUTL VZHL AFAT[HFCZ DFICTL  
VIWSFZLV[5+ GRJf; 8hMGqVFZP8LPVF. P; [ q)\_(4 TFP! \_q\_)qZ\_! \$ YL DFICTL 5ZL 5FOJFDF VFEJ, KP TD KTA VZHNfZ  
V5L, DA DFICTL G D?IFGL ZH]VFTG[ wIFG[ , . INGv\*DA VZHNfZG[ . g; 5\$XG SZJF 5Go TS VF5JF HFCZ DFICTL  
VIWSFZL VG[N§FG VG[; \ YFVMGF IGZL1FS4ZFNZ hMGG[H6FJJFDF VFEJ] KP

GRJf; 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, ff  
V5[, B VFfO; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SF

GS, ZJGF4  
s! f HFCZ DFICTL VIWSFZL VG[N§FG VG[; \ YFVMGF IGZL1FSs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf VF; LP GFD, VFfO; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s#f zL I5S, 5Dk, R§ 3LJF/F TVMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDF VFEJ, IGsf, ; AA HF6 ; F-P



OLPVDPHZLJF, F  
V[5[, [B VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N[UZ; ZM04 TFOJFOL4  
gl ] ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP**/GP ( (qZ\_! \$  
TFP\_#v\_) vZ\_! \$

VZHNfZ ov zL GZ[XEF. V[GP AYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ4JLPV[PDMLsXCZ IJSF; fsJ; 8 hMGf VG[

HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLsVFSFZ6L IJEFU fsJ; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ovID<ST GMM GR48LP5LPGR! \_4VDP5LPGR\*\_4ZP; PGR&! 54V0FH64I; DWZ 5FS"; M; FI 8LGL  
DFICTL AFATP

; NE"ovV+[GL VZHNfZGL TFP\_#q\_) qZ\_! \$ GL **SMC/WZ/FAP**/GR ( (qZ\_! \$P

p5Zf[ST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFPZ#q\_&qZ\_! \$ GL VZHLYL 8LP5LP! \_4  
VDP5LP\*\_4 ZP; PGR&! 54 V0FH64 I; DWZ 5FS"; M; FI 8L AFAT[DFICTL DFUTL VZHL 0%l [BL . HGZ DwI :Y XCZ IJSF; VG[  
J; 8hMG4ZFNZG[ ; AMWTL VZHL ; [j8= hMG BFT[ SZJFDA VFJ, P H[ ; [j8= hMG TZOYL GR; PhMGqVfZ8LPVf. qHFJSq( ( (4  
TFPZ5q\_&q! \$ YL ; [j8= V[; F. h4 . gSD8[F4 GFI A XCZ IJSF; VIWSFZLsDPXPIJPIJEFUF VG[ 0%l [BL . HGZ ZFNZ hMGDA  
TANL, SZJFDAVFJ, P

H[ VU[ ; NZ 51f DwI :Y XCZ IJSF; IJEFUG[ :508TM CMI J; 8hMG TZOYL 5+ GR J; 8hMGq  
VfZP8LPVf. P; [ q\$) (4 TFP#\_q\_&q! \$YL 0%l [BL . HGZ VG[ HFCZ DFICTL VIWSFZL4 DwI :Y XCZ IJSF; IJEFUG[ TANL,  
SZJFDAVFJ, P HI FZ[VFSFZ6L ; NE"51F AFAT[DSFGGL VM/B AFATGL IJUTMAFAT[5+ GR J; 8hMGqVfZP8LPVf. P; [ q 5#! 4  
TFP\_5q\_\*q! \$YL VZHNfZ 5F; [IJUT DFUJFDAVFJ, P

VZHNfZ[ ; NZ DFUJFDAVFJ, DFICTL ; NE" ; V[ST V5L, VIWSFZLVING[ ; AMWL HDA V5L, VIWSFZL XCZ  
IJSF; VIWSFZL4 SFI "5F, S . HGZ4ZFNZ hMGGL ; V[ST V5L, DAVWZL VG[V5ZTL DFICTL CMJFG]H6FJL V5L, VZHL SZ, KP  
V+[YL SM. DFICTL VZHNfZG[Vf5, GYIP T[YL ; NZ DFICTL VWZL S[V5ZTL AFAT[DwI :Y XCZ IJSF; IJEFUG[ :508TL KP  
VZHNfZ V5L, DAVWZL V5ZTL DFICTLGL ZHMFT , FUT V5L, VIWSFZL S[ BFTF AFAT[ V5L, DA :508 GYIP TD KTA  
VZHNfZGL DFICTL CF. ZF. h ID<ST AFATGL CMI DwI :Y XCZ IJSF; IJEFUG[ :508TM5] G VZHNfZGL HF6 C[ / TDGL VZHL  
TANL, SZ, KP HI FZ[VFSFZ6L AFAT[ID<STGL VM/B VF5JF H6FJ, KP 5ZT] VZHNfZ[T[AFAT[ZHMFT SZ, GYIP JWDA  
VfZP8LPVf. PGL VZHLDVFSFZ6L AFATGM SM. p<, [B GYL T[ ] HFCZ DFICTL VIWSFZLV[TDGL 5]TTFDAH6FJ, KP VZHNfZGL  
V5L, AFWSFDGL VWZL ; NE"GL KP H[V+[GF XCZ IJSF; IJEFUG[, UTL :508TL G CMI T[AFAT[56 V5L, DAVSM. SFI "JFCL  
SZJFGL ZC[TL GYIP

CSD

VZHNfZGL TFPZ#q\_&qZ\_! \$ GL VZHL AFAT[V+[GF hMG[ DFUJFDAVFJ, DFICTL :508TL G CMI , FUT  
IJEFUG[IGIT ; DI VJIWDATANL, SZ, K[TDH VZHNfZGL V5L, G[SFZ6 56 VWZL VG[V5ZTL ; NE"KP V+[GF IJEFUG[  
:508TL G CMI VWZL VG[V5ZTL DFICTLGM5] G ZC[TM GYIP VFYL VZHNfZGL V5L, AFAT[V5L, TASS[SM. SFI "JFCL  
SZJFGL ZC[TL G CMI V5L, VZHL NOTZ[SZJFDAVFJ]KP

GRJ; 8 hMGqVfZP8LPVf. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, Ff  
V[5[, [B VF[O; Z VG[  
SFI "5F, S . HGZ s5lzd hfGvZFNZf  
; [ZT DCFGUZ5FI, SFP

GS, ZJFG4  
s[ f HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ4JLPV[PDMLs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HGL . HGZs5lzd hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
s#f HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZL4 VFSFZ6L IJEFUs5lzd hMGfPPPPPHF6 DF8P  
s#f VF; LP GFD, VF[O; Z VG[VfZP8LPVf. P; [ 5]TPPPPPPHF6 DF8P  
s\$F zL GZ[XEF. V[GP AYJFZ4 TMIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZ SZJFDAVFJ, IGSF, ; AA HF6 ; F-P

OLPVDPHZLJF, F  
V5L, B VMOL; Z VG  
SFI 5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5LüD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ] ZFNZ ZM04; ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP() qZ\_! \$  
TFP\_#v\_) vZ\_! \$

VZHNfZ ov zL ZDx SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l jBL . HGZsHPSPRF(WZLfsXCZ IJSF; fsJ]: 8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov 8LP5LP: SLD GRZ) sZFNZf4VDP5LP! &qAL4 ; A %, NB GR\*sZFDGUZ SM, MGLDFA  
YI], AFWSFD AFATP  
; NE"ov V+GL VZHNfZGL TFP\_#q\_) qZ\_! \$ GL SMC/WZ/FAP/GR() qZ\_! \$P

p5ZfST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFP! Zq\_ (qZ\_! \$GF ZMH VZHLYL  
8LP5LPZ) sZFNZf4 VDP5LP! &qAL4 ; A %, NB GR\*4ZFDGUZ SM, MGLDFA YI], AFWSFD AFAT[ OLDM, LXGDA CFHZ ZC],  
VIWSFZL4OMBUMJF04VF5], GMBL; M JCLJ8L RFH4 OL5Mh184 . d5S8 OL AFAT[ DNF GR ! YL & GL DFICTL DFUTL VZHL  
SZJFDA VFJ], P HGF VG]; WFG[ 0%l jBL . HGZ VG[ HFCZ DFICTL VIWSFZL ZFNZ hMG TZOYL 5+ GRJ]: 8  
hMGqVFZP8LPVF. P; ], q(&\$4 TFP\_Zq\_) qZ\_! \$ YL DNF GR! YL & GL DFICTL 5ZL 5FOJFDA VFJ], TPDH GS, M AFAT[  
GF6A EZL GS, M D/JJFGM 5]:TFJ IGI T ; DI VJIWDA SZJFDA VFJ], KP HGF ; NE[ VZHNfZ TZOYL HFCZ DFICTL  
VIWSFZLV[H6FJ], GS, MGF GF6A TFP\_Zq\_) qZ\_! \$GF ZMH ~FP! ZZqv EZ5F. SZL GS, M D/J], KP VFD VZHNfZG[  
HFCZ DFICTL VIWSFZL TZOYL ; 5]b"DFICTL 5ZL 5FOJFDA VFJ], KP

VZHNfZ[ TFP\_&q\_) qZ\_! \$GF ZMH DNF GRZDA H6FJ], K[ S[ S, Z OMBUMJFOGL GS, 5ZL G 5FOJFDA  
VFJTF V5L, VZHL SZJFDA VFJ], KP VFZP8LPVF. PV\$8 S, DvZsFf VG[S, DvZsJf DJHA HFCZ DFICTL VIWSFZL  
5F; GL VG[NOTZL p5, aW DFICTL 5ZL 5FOJFGL HMUJF. KP H[DJHA OMBUMJFOGL hZMF GS, GL ISDTGM GF6A EZJFGM  
5]:TFJ NOTZL ZSOGF VFWFZ[ SZ], K[ VG[ T[DJHA GS, 5ZL 5FOJFDA VFJ], KP VZHNfZG[S, Z OMBUMJFO DF8GM SM.  
5]:TFJ SZ], GYL TYF T[VU[VZHNfZ 5F; YL S, Z OMBUMJFOGF GF6AJ; ], , JFDA VFJ], GYLP VFYL S, Z OMBM AFAT[GL  
VZHNfZGL V5L, V: YFG[ KP VFYL VZHNfZG[ VFZP8LPVF. PGF SFI NFGL HMUJF. DJHA GF6A, JFDA VFJ] K[ VG[ T[  
DJHAGL DFICTL 5ZL 5FOJFDA VFJ], KP ; NZ V5L, VZHL VUJSM. IJQFI [SFI JFCL SZJFGL ZC[TL GYLP

CJSD

VZHNfZGL TFP\_! q\_ (qZ\_! \$ GL VZHLYL DFUJFDA VFJ], NOTZL p5, aW CSLST, 1FL DFICTL 5ZL  
5FOJFDA VFJ], KP VFYL VZHNfZ[S, Z OMBUMJFOGL GS, M AFAT[GL ZHJFT EZ], F GF6FSLI VJH DJHA DFICTL 5ZL  
5FO], KP V5L, VZHL VUJSM. SFI JFCL SZJFGL ZC[TL G CMI V5L, VZHL NOTZ[SZJFDA VFJ] KP

GRJ]: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, Ff  
V5L, B VFIO; Z VG  
SFI 5F, S . HGZ s5LzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! f HFCZ DFICTL VIWSFZL VG[0%l jBL . HGZ sHPSPRF(WZLfs5LzD hMGfPPPPPHF6 TYF VD, DF8P  
SZF DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HJGL . HGZzLs5LzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
DF8P

s#f VF; LP GFQ, VFIO; Z VG[VFZP8LPVF. P; ], 5]TPPPPPPHF6 DF8P

s\$F zL ZDx SP HFULO4 TMMGL V5L, VZHL VUJ[p5ZGL IJUTGACJSD wJFZF SZJFDA VFJ], IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; [ZT v #)5 ___)P OMGo_Z&! vZ*( &! (! v(Zv(#
---	---	---

V5L, VZHL G~~PSMC/WZ/FAP/GR~~)\_qZ\_! \$  
 TFP\_#v\_)vZ\_! \$

VZHNfZ ov zL ZDIX SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[5; MG, VMIO; Z TYF HFCZ DFICTL VIWSFZL VG[  
 GFI A IC; FAGLX sJ]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov VFZP8LPVF. PV\$8 C9/ ZFHI VFI MUDAYI[, VZHLGF VG; WFGDAUFWLGUZ UI[,  
 ; [ZT DG5FGF VIWSFZLqSDRFZLVM EFZF YTAJFCG BR"AFATP

; NE"ov V+[GL VZHNfZGL TFP\_#q\_)qZ\_! \$ GL ~~SMC/WZ/FAP/GR~~)\_qZ\_! \$P

p5Zf\$T IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP\_)q\_\*qZ\_! \$GL HFCZ DFICTL VIWSFZL  
 Dwl :Y SRZIG[ DFICTL DFUTL VZHL ; [8= hMG BFT[ SZJFDA VFJ[, P H[ ; [8= hMG TZOYL 5+ GR  
 ; LPhDqVFZP8LPVF. PqVP! ! #S4TFP! \$q\_\*qZ\_! \$ YL ; [ZT DCFGUZ5FI, SFGF HNFvHNF HFCZ DFICTL VIWSFZLVMG[  
 IGI T ; DI VJIWDA VZHL TANL, SZJFDA VFJ[, P H[GF VG; WFG[ V+[YL 5+ GRJ]: 8 hMGqVFZP8LPVF. P; [, q\*ZZ4  
 TFP\_&q\_(qZ\_! \$ YL IGI T ; DI VJIWDA VZHNfZG[ DFICTL 5ZL 5FOJFDA VFJ[, TYF GS, M AFAT[-FP\$&qv EZL  
 DFICTL D[/JJF H6FJ[, P H[ VU[ VZHNfZ[ TFPZ! q\_(qZ\_! \$GF ZMH GF6A EZ5F. SZL DFICTL D[/J[, KP VFYL  
 VZHNfZG[DFUJFDA VFJ[, DFICTL HFCZ DFICTL VIWSFZL TZOYL DFICTL 5ZL 5FOJFDA VFJ[, KP

p5ZMST AFAT[VZHNfZ[DNF GRZDAIA, MGL GS, VF5JFDA VFJ[, GYL T[UL ZH\FT SZL 5YD V5L,  
 VZHL SZ[, KP H[ VU[ VZHNfZG[ VPVDP8EJk; "AL, GR\$\*4TFP! \_q\_&qZ\_! \$4 ~FP&4Z\_\_qv GF AL, GL GS, TYF  
 TFP! \*q\_&qZ\_! \$4 ~FP\*45&\_qvGF JfpRZ AL, GL GS, GJLGRN=8LP XFC GFDGF AL, GL GS, 5ZS DFICTL~5[  
 VZHNfZG[ 5ZL 5FOJFDA VFJ[, KP VFD VZHNfZ[ V5L, DA DFU[, SM, DDA AL, GL GS, 5ZL 5FOJFDA VFJ[, CMI 4  
 V5L, VZHL VU[SM. IJXDF SFI "JFCL SZJFGL ZC[TL GYL VG[V5L, VZHL NOTZ[SZJFDA VFJ][KP

CJSD

VZHNfZGL TFP\_)q\_\*qZ\_! \$ GL VZHLYL DFUJFDA VFJ[, DFICTL HFCZ DFICTL VIWSFZL TZOYL 5ZS  
 DFICTL TZLS[5ZL 5FO[, CMI V5L, VZHL VU[SM. IJXDF SFI "JFCL SZJFGL ZC[TL G CMI V5L, VZHL NOTZ[SZJFDA  
 VFJ][KP

GRJ]: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
 V[5[, [8 VFIO; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[5; MG, VMIO; ZsVFZP8LPVF. P; [, f TYF HFCZ DFICTL VIWSFZL VG[GFI A IC; FAGLX  
 s5IzD hMGfPPPPPHF6 TYF VD, DF8P

sZF VF; LP GF0, VFIO; Z VG[VZP8LPVF. P; [, 5[TPPPPPPHF6 DF8P

s#f zL ZDIX SP HFULO4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDA VFJ[, IGSF, ; AA HF6 ; F~P

OLPVDPHZLJF, F  
V5L, B VMOL; Z VG  
SFI 5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl JZFNZ ZM04; ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP~~/GP) ! qZ\_! \$  
TFP\_#v\_)vZ\_! \$

VZHNfZ ov zL ZDIX SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ GFI A IC; FAGLX sJ: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov VFZP8LPVF. PV\$8 C9/ ZFHI VFI MJDAFYTL VZHILG VG; WFGDAUFWIGUZ HTA  
; ZT DG5FGF VIWSFZLqSDRFZLVM EFZF, . HJFTA JFCG TYF TGF BR"AFATP

; NE" ov V+GL VZHNfZGL TFP\_#q\_)qZ\_! \$ GL ~~SMC/WZ/FAP~~/GR) ! qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6fJJFG] S[ VZHNfZGL TFP\_)q\_\*qZ\_! \$GL VZHLYL UFWIGUZ  
ZFHI DFICTL VFI MJDAHJF DF8[VIWSFZLVMq SDRFZLVMGL DHZL AFAT[DFUJFDAVFEJ] DFICTL ; NE[HFCZ DFICTL  
VIWSFZL TZOYL 5+ GRJ:8 hMGqVFZP8LPVF. P; [ q\*##4 TFP\_\*q\_ (qZ\_! \$ YL IGI T ; DI VJIWDAVZHNfZG[DFICTL  
5ZL 5FOJFDAVFEJ]

VZHNfZ[TFP\_#q\_)qZ\_! \$YL DNf GR! DA VIWSFZLqSDRFZLVM BFGUL JFCG, . H. XS[TYF T[VUJ  
BR"SZL XS[ VG[T AFAT[ 5IZ5+GL GS, GL DFU6L SZ], KP H[ VUJ H6fJJFG]S[ BFGUL JFCGM H[ DFICTLGF ; ZT  
DCFGUZ5FI, SFV[SMq8S8YL IGI T SZ], NZ[JFCGM, . HFI K[ VG[T[VUJGL H-ZL DHZL VG[BRGF IZ5M8GL DFICTL  
5ZL 5FOJFDAVFEJ], KP VFYL VZHNfZGL DFUJFDAVFEJ], DFICTL IZ5M8GL DHZLDA BR"AL, MGL IJUTM TDH JFCGGI  
IJUTM ; DFJX VZHNfZG[DFUJ] DFICTLGM Y. HFI KP VFYL VZHNfZ[DFUJ] DFICTL TYF DHZLGF IZ5M8GL GS, M  
; ICT NOTZL p5, aW DFICTL VZHNfZG[5ZL 5FO], CMI VZHNfZGL V5L, VZHL VUJ[SM. IJXQF SFI "JFCL SZJFGL  
ZC[TL GYL VG[V5L, VZHL NOTZ[5ZJFDAVFEJ]KP

CJSD

VZHNfZGL TFP\_)q\_\*qZ\_! \$ GL VZHLYL DFUJFDAVFEJ], DFICTL HFCZ DFICTL VIWSFZL TZOYL  
NOTZL p5, aW CSLST, 1f DFICTL DHZL GS, M ; ICT VZHNfZG[5ZL 5FO], CMI V5L, VZHL VUJ[SM. IJXQF SFI "JFCL  
SZJFGL ZC[TL GYLP TYL V5L, VZHL NOTZ[5ZJFDAVFEJ]KP

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, FF  
V5L, B VFH0; Z VG  
SFI 5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[ GFI A IC; FAGLXs5IzD hMGfPPPPPHF6 TYF VD, DF8P

sZf VF; LP GFQ, VFH0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P

s#f zL ZDIX SP HFULO4 T[MGL V5L, VZHL VUJ[p5ZGL IJUTGFCJSD wJFZF SZJFDAVFEJ], IGSF, ; AA HF6 ; F~P

OLPV|DPHZLJF, F  
V|5|, |8 VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJFOL4  
gl |ZFN|Z ZM04; |ZT v #)5 \_\_\_)P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GR) ZqZ\_! \$  
TFP\_)v\_)vZ\_! \$

VZHNfZ ov zL D|S|XEF. DNG, F, ; FZU

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |8L . HGZ4H|P|P|RF|WZLsXCZ IJSF; q5F6Lq, F. 8qZ: Tff  
sJ|: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov DMHPZFNZ4 ; J|GR! Z548LP5LP: SLD GRZ) sZFN|Zf40FP%, M8 GR! (4; FZU ; M; F| 8L  
VUJGL DFICTL DFUTL VZHLGF DNf GR ! YL \* AFATP

; NE"ov V+|GL VZHNfZGL TFP\_)q\_)qZ\_! \$ GL SMC/WZ/FAP/GR) ZqZ\_! \$P

p5ZFST IJQFI VG| ; NE" AFAT| H6FJJFG|S| VZHNfZ| TFP! (q\_ZqZ\_! \$4TFPZ (q\_ZqZ\_! \$ VG|  
TFPZ! q\_\*qZ\_! \$GF ZMH VZHL SZL4 TFPZ! q\_\*qZ\_! \$GL VFZP8LPVF. P C|P/ U6L DNf GR! YL \* GL DFICTL DFUTL  
VZHL SFI "5F, S . HGZ ZFNZ hMG BFT|SZJFDF\VFJ|, P

H|GF VG|; WFG|ZFNZ hMG TZOYL 5+ GR J|:8 hfG q VFZP8LPVF. P; |, P q &5Z4 TFPZ (q\_\*qZ\_! \$ YL  
O|H BFTFG| V|FXS TANL, SZJFDF\VFJ|, KP T|I; JFI ZFNZ hMGf H|NF H|NF IJEFUMG| :5X"TL DFICTL XCZ  
IJSF; IJEFU TZOYL 5+ GR J|:8 hfG q VFZP8LPVF. P; |, P q \*\$)4 TFP! Zq\_(qZ\_! \$ YL4 , F. 8 IJEFU TZOYL 5+  
GR J|:8 hfG q VFZP8LPVF. P; |, P q\*( )4 TFPZ\_q\_(qZ\_! \$ YL4 ZM IJEFU TZOYL 5+ GR J|:8 hfG q  
VFZP8LPVF. P; |, P q\*( &4 TFP! )q\_(qZ\_! \$YL TDH 5F6L IJEFU TZOYL 5+ GR J|:8 hfG q VFZP8LPVF. P; |, P  
q\*)&4 TFPZ\_q\_(qZ\_! \$ YL NOTZL p5, aW DFICTL 5ZL 5F0JFDF\VFJ|, K|TDH DFICTL VU|H~ZL GS, M DF8|  
GF6F\EZL D|/JJF H6FJJFDF\VFJ|, KP H|VU|VZHNfZ|TFPZ5q\_(qZ\_! \$GF ZMH ~FP5\_qv EZ5F. SZ|, KP H|  
5SL ~FP\$(qv GL DFICTL VZHNfZG|5ZL 5OF| |, KP H|FZ|XCZ IJSF; IJEFU TZOYL DNf GR ! GL DFICTL ~FPZqv  
EZL 5ZL 5F0JF H6FJ|, KP 5ZT|HFCZ DFICTL VIWSFZLV|5ZL 5F0|, GYLP

VZHNfZ|TFP\_)q\_)qZ\_! \$ GF ZMH SFI "5F, S . HGZ VG|V5L, VIWSFZLG|5YD V5L, VZHL  
SZ|, KP H|GL VNZ VZHNfZ|9ZFJ AFAT|ZH|MT SZ|, KP T|VU|HFCZ DFICTL VIWSFZL TZOYL . g:5\$XG SZL  
DFICTL D|/JJF H6FJ|, P H|VU|VZHNfZ|. g:5\$XG SZ|, K|5ZT|. g:5\$XG NZd|FG DFICTL AFAT|SM. IGIN08  
SZ|, GYL TYF DNf GR& GL IJUT D|/ VZHLYL V, FI NL V5L, TASS|ZH|MT SZ|, KP

VZHNfZ|~FPZqv XCZ IJSF; IJEFU TZOYL DFICTL AFAT|EZFI |, H|GL DFICTL 5ZL 5F0|, GYLP H|  
DFICTL HFCZ DFICTL VIWSFZL XCZ IJSF; IJEFU| 5ZL 5F0JFGL ZCXP VZHNfZ| V5L, DF|JHL, g; AFAT| H|  
IZ5M8GL JFT SZ|, K|H|D|/ VZHLYL V5L, TASS|5xG p9FJ|, KP VF I; JFI VZHNfZGL TDGL D|/ VZHLGF  
; NE|NOTZL p5, aW DFICTL GS, M; ICT 5ZL 5F0|, KP TD KTF|VZHNfZG|V; TMOF CMI TM, FUT NOTZL OF. , MG|  
. g:5\$XG SZL XS|KP

CSD

VZHNZGL TFPZ! q\_\*qZ\_! \$ GL VZHLYL DFUJFDFVVFJ, DFICTL 5SL OIZI FN CSSLTDFAH6fjIF  
I; JFI GL DFICTL VU|. g: 5SXG SZL DFICTL AFAT[VZHNZ RSF; 6L SZJF , FUT HFCZ DFICTL VIWSFZLGMVMO;  
SFDSFH NZdIFG VFUMTZM ; DI INGv\*DFADJ/JL . g: 5SXG SZL XS[ KP VZHNZGL VFJL ZHMFT YIYL , FUT  
HFCZ DFICTL VIWSFZLV[VZHNZG|. g: 5SXG 5Z)5F0JF H6FJJFDFVVFJ[KP

VZHNZ[ ~FPZqv EZ5F. SZ, CIUF KTAHFCZ DFICTL VIWSFZL XCZ IJSF; IJEFU TZOYL GIC  
5ZL 5OFI, DFICTL VZHNZG|INGv\*DF5ZL 5F0JF 0%I BL . HGZ VG|HFCZ DFICTL VIWSFZL XCZ IJSF; IJEFU  
ZFNZ hMGG[H6FJJFDFVVFJ[KP

GRJ: 8 hMGqVFP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s OLP VDP HZLJF, F f  
V[5, B VF|O; Z VG|  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG|0%I BL . HGZ4HPSPRFVZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P

sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|HJL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; q5F6LqZ: Tfq  
, f. 8PPPPPPPHF6 TYF VD, DF8P

s#f VF; LP GF0, VF|O; Z VG|VFP8LPVF. P; j, 5|TPPPPPPHF6 DF8P

s\$f zL D\$XEF. DNG, f, ; FZU4 T|MGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZF SZJFDFVVFJ, IGSE, ; AA HF6  
; F~P

OLPVDPHZLJF, F V5[, B VMOL; Z VG[ SFI '5F, S . HGZ		; ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; ZT v #)5 ___)P OMGo_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL GPCSMC/WZ/FAP/GP) #v) \$qZ\_! \$  
 TFP! \_v\_)vZ\_! \$

VZHNfZ ov zL GZXEf. V[GP AYJfZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ VM, 0%i }BL . HGZsXCZ IJSF; fsJ}; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ovID<ST GIMV GR JMO"GRZqZP; PGRZ) &4VDP5LPGR! \$4 %, MB GR#\*! YL \$&\$GL ID<STGL  
 DFICTL AFATP  
 ; NE"ovV+GL VZHNfZGL TFP! \_q\_)qZ\_! \$ GL SMC/WZ/FAP/GP) #v) \$qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG) S[ VZHNfZGL TFP\_5q\_(qZ\_! \$GL AG[ VZHLYL ; C  
 VZHNfZ[ JMO" GRZ4ZP; PGR) &4VDP5LPGR! \$4%, MB GR#\*! YL \$&\$JF/L ID<STGF VPAIP; IP5+S4 I}V[, P; IP4  
 VF. P; LPGAF6F4 VFSFZ6L4 Z: TF AFWSFD4 DHZ %, FG4 ZHFIR9L IJUJ[AFAT[DFICTL DFUTL VZHL 0%i }BL . HGZ4 XCZ  
 IJSF; IJEFU4 ZFNZ hMGG[ SZJFDF VEFJ, P HGF VG; WFG[ V+YL 5+ GR J}; 8hMGq VFZP8LPVF. P; ; q(#Z4  
 TFPZ&q\_(q! \$YL IGIT ; DI VJIWDA ; INuW DFICTL DFUJ, CMI 4 ID<STG) : 508 , MSXG 8fpG %, FGLU : SLD GAZ  
 ; ICTGL IJUTMVF5L ID<STMGL VM/B AFAT[: 508TF SZJF H6FJ, P

VZHNfZ[ TFP! \_q\_)q! \$GL 5YD V5L, VZHLDFA +L; INJ; DAFDFICTL IJGFDKI VF5JFGL ZHJVF  
 SZ, K[ VG[H[DFICTL DFUJFGL G CMI TJ); }RG V5L, DAFSZ, KP VFZP8LPVF. PSFI NFGL HMUJF. VG[IGI D DJHA  
 ; INuW ID<ST ; NE"V5L, VU[HFCZ DFICTL VIWSFZL TZOYL : 508TF DFUJFDF VEFJ[ TM T[ VZHNfZ[ : 508TF SZJFGL  
 CMI KP VFYL VZHNfZ[SZ, ; }RG VFZP8LPVF. PSFI NF ; FY[ ; ] UT GYLP

JWDF VZHNfZ[ID<ST GIMV GRZ4 H[8FSJFDF VEFJ, K[T]; }g8= hMGG[ , UTM 5}G KP VFYL VZHNfZ  
 ; INuW DFICTL ; FY[BMB GIMV GAZ 56 , B, KP VFD VFZP8LPVF. PSFI NFDFA ; INuW BMB GIMV GAZ VU[DFICTL 5ZL  
 5FOJF XSI G CMI : 508TF AFAT[HMUJF. KP TGM 56 VZHNfZ[HFCZ DFICTL VIWSFZLV[ 5F9J, 5+GM 56 VD,  
 SZ, GYLP VFYL VZHNfZGL V5L, VF TASS[8SL XS[TID GYLP

CSD

VZHNfZGL TFP\_5q\_(qZ\_! \$ GL AG[VZHLVM AFAT[ID<STGL : 508TF SI ML DFICTL 5ZL 5FOL XSFI  
 VgI YF GJL VZHL SZLG[DFICTL D/JJF VZHNfZ :JT+ KP

GRJ}; 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, FF  
 V5[, B VFH0; Z VG[  
 SFI '5F, S . HGZ s5lzd hfGvZFNZf  
 ; ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! f HFCZ DFICTL VIWSFZL VG[0%i }BL . HGZ4VM, 0%i }BL . HGZs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[H]GL . HGZs5lzd hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#f VF; IP GF, VFH0; Z VG[VFZP8LPVF. P; ; 5]TPPPPPPHF6 DF8P  
 s\$F zL GZXEf. V[GP AYJfZ4 TMNGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDF VEFJ, IGsf, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA N[JZ; ZM04 TFOJFOL4 gl ]ZFNZ ZM04; [ZT v #) 5 ___) P OMGo_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G[SMC/WZ/FAP/GR) 5qZ\_! \$  
 TFP! \*v\_)vZ\_! \$

VZHNfZ ov zL DCgN#; C VPAÇDEÎ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VM, 0%l [BL . HGZsXCZ IJSF; f sJ[: 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov ; [ZT DCFGUZ5FI, SF CN IJ: TFZDFUJZSFI N[AFWSFDMDFARE, L ZC[, 5FYIDS4  
 DfwI IDS XF/FVM VG[SM, HM; CLT IJUTJFZ DFICTLGF DNF GR! YL & AFATP

; NE"ov V+GL VZHNfZGL TFP! \*q\_)qZ\_! \$ GL SMC/WZ/FAP/GR) 5qZ\_! \$P

p5ZF\$T IJQFI VG[: NE" AFAT[H6FJJFG)S[VZHNfZ]TFP\_\*q\_(qZ\_! \$GL DFICTL DFUTL VZHL  
 GFUIZS ; ]Jnf SgN4 DJU, L; ZF ; [g8= hMG BFT[SZJFDFVFEJ, P H[; [g8= hMG TZOYL 5+ GR ; PhMGq VFZ8LVF. q  
 HFJSq! 5\_)4 TFP\_(q\_(qZ\_! \$ YL HFCZ DFICTL VIWSFZL TDFD hMG SFI NF IJEFUG[TANL, SZJFDFVFEJ, P  
 VZHNfZG[ HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ[:8hMGq VFZP8LPVF. P; [ q() )4  
 TFP\_)q\_)qZ\_! \$ YL DFICTL 5ZL 5FOJFDFVFEJ, KP H[VU[VZHNfZ]TFP! 5q\_)qZ\_! \$GF ZMH DFICTL G D?I FGL  
 VG[SM. 56 5]TEFJ G D?I FGL AFAT[G]SFZ6 H6FJL TFP! 5q\_)qZ\_! \$GF ZMH SFI 5F, S . HGZ4ZFNZ hMGG[5YD  
 V5L, VZHL SZ[, K[ TPDH VZHNfZ[ V5L, VZHLDFA BR" VG[ J8FJ AFATGL 56 NFN DFUJFDFVFEJ, KP  
 VZHNfZGL V5L, GL TFZLB HMTF VZHNfZG[ TFP\_)q\_)qZ\_! \$GF ZMH VF5JFDFVFEJ, DFICTLGL GS, D/[  
 , FUTL GYIP TYL ; NZ DFICTLGL GS, VZHNfZG[5]Go 5ZL 5FOJF HFCZ DFICTL VIWSFZLG[H6FJLVP

C]SD

VZHNfZGL TFP\_\*q\_(qZ\_! \$ GL DFICTL DFUTL VZHL AFAT[ HFCZ DFICTL VIWSFZLV[ 5+  
 GRJ[:8hMGqVFZP8LPVF. P; [ q() )4 TFP\_)q\_)qZ\_! \$YL DFICTL 5ZL 5FOJFDFVFEJ, K[ TPD KTA VZHNfZ  
 V5L, DFA DFICTL G D?I FGL ZH]MFTG[wI FG[ , . INGv\* DA VZHNfZzLG[ 5]Go GS, 5ZL 5FOJF HFCZ DFICTL  
 VIWSFZL VG[0%l [BL . HGZG[H6FJJFDFVFEJ]KP

VZHNfZG[V5L, DAs, DvZ\_ C9/ H[NFN DFUJFDFVFEJ, KP H[VU[S, DvZ\_ C9/ H]L ; tTF  
 ZFHI DFICTL VFI MUG]KP

GRJ[: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPV|DPHZLJF, FF  
 V[5[, [B VF]O; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJFG4  
 s! FHFCZ DFICTL VIWSFZL VG[VM, 0%l [BL . HGZs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[HGL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; IP GFD, VF]O; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$f zL DCgN#; C VPAÇDEÎ4 T]MGL V5L, VZHL VU[p5ZGL IJUTGAC]SD wJFZ SZJFDFVFEJ, IGSE, ; AA HF6 ; F~



OLPV DPHZLJF, F V[5[,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL G~~SMC/WZ/FAP/GP~~) \*qZ\_! \$  
 TFP! )v\_)vZ\_! \$

VZHNfZ ov zL I5S, 5|0k, R§ 3LJF/FsT|+Lv; DFwFG gl |)hf

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZsOLPJLPRF|WZLfsXCZ IJSF; f TYF

HFCZ DFICTL VIWSFZL VG|VFSFZ6L VG|J; ], FT VIWSFZLsVFSFZ6L IJEFUfsJ|; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 8LP5LP! ! sV0FH6f4VDP5LP&4VMP5LPGR\$sGJfVH|Gff TDFD AFWSFDG|; |AWT DNF  
 GR! YL! \* AFATP

; NE"ov V+|GL VZHNfZGL TFP! )q\_)qZ\_! \$ GL ~~SMC/WZ/FAP/GR~~) \*qZ\_! \$P

p5ZF|T IJQFI VG|; NE"AFAT|H6FJJG|S|VZHNfZGL TFP! ! q\_\*qZ\_! \$ YL 8LP5LP! ! sV0FH6f4  
 VDP5LP&4 VMP5LPGR\$sGJfVH|Gff AFAT|AFWSFD TYF VFSFZ6L AFAT|DNF GR! YL! \* GL DFICTL DFUTL VZHL HFCZ  
 DFICTL VIWSFZL ; |ZT DCFGUZ5FI, SFG|; |AMWTL VZHL ZFN|Z hMG BFT|SZJFDFVFEJ, P H|VU|0%| |BL . HGZ VG|HFCZ  
 DFICTL VIWSFZL TZOYL 5+ GRJ|; 8 hMGq VFZP8LPVF. P; |, q&! \_4 TFPZZq\_\*qZ\_! \$ YL VZHNfZG|5|GJF/L HuI F S|  
 8LP5LP:SLD GR! ! sV0FH6f4 VDP5LPGR\_& S|H|:G|C :D|T ; M; F| 8L TZLS|VM/BFI K| H|; M; F| 8L JQFM|H|G| K|T|D|H  
 VF5zL EFZF 5|KJFDFVFEJ, DFICTL AFAT|SM. RMSS; ; A %, MB S|AU, F GAZ NXFJ|, GYL T|YL VF5|DFU|F D|HAGL  
 DFICTL AFAT|JW|:508TF YJL H~ZL CMI ti FZAFN V+[p5, aW Z\$0"D|HA TDNG|DFICTL 5ZL 5FOL XSFX|H|VF5zLGL  
 HF6 ; F~R HI FZ| HFCZ DFICTL VIWSFZL VG| VFSFZ6L VG| J; ], FT VIWSFZL TZOYL 5+ GR  
 J|; 8hMGqVFZP8LPVF. P; |, q&#Z4 TFPZ5q\_\*qZ\_! \$ YL IGI T ; DI VJIWDF|DFICTL 5ZL 5FOL VG|GS, M AFAT|GF6F  
 EZL DFICTL D|J|JF 5|; TFJ SZ|, KP H|VU|VZHNfZ|TFP\_&q\_)qZ\_! \$ YL ~FP! (qv HDF SZFJL VFSFZ6L AFAT|GL  
 DFICTL D|J|, KP

VZHNfZ|TDGL TFP! )q\_)qZ\_! \$ YL 5|YD V5L, VZHL SZL ; NZC|ID<ST AFAT|AU, F GR! GL ; FD|  
 AU, F GR5! 4 AU, F GR#! YL \$Z JrR|GF +6 AU, F AU, F GR&)4AU, F GR5Z GL ; FD|VFD +6 VDP5LP 5Z VF8, F  
 AWF , FUT AFWSFD RF, T|CMI VG|VIWSFZL VM0; D|FA|; L U6LIF SZ|K| T|YL VZHNfZ|B|, F; M|F/L TDFD AU, F TDH  
 SM. ZCL HTM CMI TM T|HJFA VF5JF S, Dv\*s&f C|P/ DFICTLGL DFU6L SZ|, KP VZHNfZ|5MTFGL D| VZHL ; NE|  
 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZLV|DFICTL ; NE|ID<ST AFAT|:508TF DFUJFDFVFEJ, T|SZ|, GYL 5ZT|  
 V5L, D|FAU, FGL IJUTM H6FJ|, KP VZHNfZ|V5L, D|FAU; D|FA|; IGI SFD SZJFGL ZH|VFT SZ|, K|VG|AFWSFD  
 AFAT|GF :Y/ p5Z SFDGL ZH|VFT SZ|, KP VFZP8LPVF. PSFI NFD|:508 T5F; SZL DFICTL VF5JFGL HMUJF. GYIP  
 VFYL VZHNfZ|DFICTL ; NE|p5, aW Z\$0G|J6G SZJ|H~ZL K|T|D|H HFCZ DFICTL VIWSFZLGL :508TFJF/L HJFA  
 5F9|IF 5KL 56 :508TF SZ|, GYIP VFYL VZHNfZ|V5L, TASS|SZ|, ID<STGL :508TF SZ|, K|VG|H|VU|  
 S, Dv\*s&f C|P/ IJGFD| DFICTLGL DFU6L SZ|, KP T|SFI NF ; FY|; ; UT GYIP JWDF|ID<ST AFAT|HFCZ DFICTL  
 VIWSFZLV|IGI T ; DI D|FA5|t|JZ 5F9J|, KP VFYL T|D|HA 56 VZHNfZ S, Dv\*s&f C|P/ IJGFD| DFICTL D|J|JF  
 CSSNFZ AGTF GYIP JWDF|VFZP8LPVF. PSFI NFG| HMUJF. D|HA 56 ; |NuW VG|V5ZTL DFICTL VF5JFGL HMUJF.  
 GYIP

VZHNfZ|V5L, D|FAU, F GR5! GL TYF AU, F GR#! YL \$Z JrR|GF +6 AU, F T|AU, FGF GAZMGL 56  
 :508TF SZ|, GYIP VZHNfZ|V5L, TASS|VF5|, DFICTL T|D|H VFSFZ6L IJEFUGL NOTZ|VFJ|, DFICTL ; NE"VFSFZ6L  
 NOTZ|AU, F GR5! T|I; JFI +6 AU, FGL IJUTM p5, aW Y. XS|TMCMI TM T|D|JL VZHNfZG|HMDFICTL VF5L XSFI  
 T|D|CMI TMS, Dv\*s#f VG|IGI Dv5 C|P/ 5ZL 5F0JFGL ZCP

CSD

VZHNfZGL TFP! ! q\_\*qZ\_! \$ VZHLYL DFUJFDVFEJ, DFICTL 5SL AU, F GR5! VG[TI; JFI GL +6  
AU, FGL IJUT VFSFZ6L NOTZ[VFEJ, DFICTL ; NE"D/JL p5, aW YFI TMTJL DFICTL INGv\*DAVFEZP8LPVF. PV\$8GL  
S, Dv\*s#f VG[IGI Dv5 C9/ 5ZL 5F0JF 0%I BL . HGZ VG[HFCZ DFICTL VIWSFZL ZFNZ hMGG[H6EJJFDVFEJ[KP

GRJ: 8 hMGqVFEZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, ff  
V5, B VFIO; Z VG[  
SFI 5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ sOLPJLPRFVZLfsXCZ IJSF; fs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLsVFSFZ6L IJEFUfPPPPPHF6 DF8P  
s#f DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HJGL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPPHF6 TYF VD,  
DF8P

s\$f VF; LP GF, VFIO; Z VG[VFEZP8LPVF. P; [, 5|TPPPPPPHF6 DF8P

s5f zL I5S, 5P, R\$ 3LJF/F TMMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDVFEJ, IGSF, ; AA HF6 ; F~P

OLPVDPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJF0L4  
gl ] ZFNZ ZM04; [ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPCSMC/WZ/FAP/GP) )qZ\_! \$  
TFPZ\$v\_)vZ\_! \$

VZHNfZ ov zL IJGMN 5DHLEF. S8FZLI F  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZsHPSPRFWZLfs5F6L IJEFUfsJ]; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ovUZSFI Nf; Z AMZLU AFATGF DNF GR! YL \$ AFATP  
; NE"ovV+[GL VZHNfZGL TFPZ\$q\_)qZ\_! \$ GL SMC/WZ/FAP/GR) )qZ\_! \$P

p5ZfST IJQFI VG[; NE"AFAT(H6FJJFG)S[VZHNfZGL TFP\_&q\_(qZ\_! \$GL VZHLYL UZSFI Nf; Z AMZLU  
AFAT[DNF GR! YL \$GL DFICTL DFUTL VZHL dI PSIDxGZzL4; ZSFZL DFICTL VIWSFZLzLG[; YAMWTL VZHL ; [8= hMG BFT[  
SZJFDFVfJ, P H[; [8= hMG TZOYL GR; PhMGqVFZ8LVF. qHFJSq! \$) &4TFP\_\*q\_(q! \$YL 5YD z[6L S, FS4 Dwl :Y SRZLG[  
IGI T ; DI VJIWDA TANL, SZJFDFVfJ, P Dwl :Y SRZL TZOYL ; NZ VZHL 5+ GR; Lq! (Z54 TFP! &q\_(q! \$YL 0%l [BL  
. HGZvpWGF hMG VG[0%l [BL . HGZvCF. OM, IS IJEFUG[TANL, SZJFDFVfJ, P H[ HFCZ DFICTL VIWSFZL CF. OM, S  
IJEFU TZOYL TDFD hMGGF 0%l [BL . HGZ VG[HFCZ DFICTL VIWSFZLG[V[R. 0LqVFPGPq5&4 TFPZ! q\_(q! \$ YL IGI T ; DI  
VJIWDA TANL, SZJFDFVfJ, P HGF VG[; WFG[ 0%l [BL . HGZ VG[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR Jf; 8hMGq  
VFZP8LPVF. P; [ q(Z54 TFPZ&q\_(q! \$YL V+[GF p5, aW Z\$0GL RSf; 6L SZTA DFICTL p5, aW GYL TJL NOTZL p5, aW  
CSLST, 1FL DFICTL 5ZL 5FOJFDFVfJ, KP

VZHNfZ[ TFPZ\_q\_)q! \$GF ZMH IJ, IAT V5L, dI PSIDxGZzL V5L, VIWSFZLG[ SZJFDFVfJ, P H[  
GFUIZS ; J]nf Sjn4 ; [8= hMG BFT[ :JLSEZJFDFVfJ, KP H[; [8= hMG TZOYL V5L, VIWSFZL VG[SFI "5F, S . HGZ  
TDFD hMGGF[V5L, SZJFDFVfJ, KP H[V+[GF IJEFUG[D/] P H[VU[VZHNfZ[D/]J, DFICTLYL GFZFHUL jI ST SZ, K[  
VG[D/] L DFICTLGF Vfp8J0"GAZ VG[TFZLBGM p<, [B SZ, KP H[DFVZHNfZ[T[VU[SFI "JFCL SZL DFICTL 5ZL 5FOJF  
H6FJ, KP VZHNfZG[ VFZP8LPVF. PSFI NFGL S, Dv ZF VG[S, Dv ZJ D]HA NOTZL p5, aW CSLST, 1FL DFICTL 5ZL  
5FOJFGL HMUJF. KP T[D]HA ZFNZ hMGDFDFU, DFICTL ; NEDAFCSLST, 1FL DFICTL VZHNfZG[H6FJ, K[S[; NZ DFICTL  
V+[GF hMGGL RSf; 6L SZTA DFICTL p5, aW GYL VFD VZHNfZG[CSLST, 1FL DFICTL 5ZL 5FO, CMI V5L, VZHL VUJ  
SM. IJXQF SFI "JFCL V5L, TASS[SZJFGL ZC[TL G CMI V5L, VZHL NOTZ[SZJFDFVfJ]KP

CSD

VZHNfZGL TFP\_&q\_(qZ\_! \$GL VZHLYL DFUJFDFVfJ, DFICTL 5SL V+[GF hMGGL ; NZC] DFICTL VUJ  
NOTZL p5, aW CSLST, 1FL DFICTL HFCZ DFICTL VIWSFZL TZOYL 5ZL 5FO, CMI V5L, TASS[SM. SFI "JFCL SZJFGL ZC[TL G  
CMI V5L, VZHL NOTZ[SZJFDFVfJ]KP

GRJf; 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, FF  
V[5[, [8 VF[0; Z VG[  
SFI "5F, S . HGZ s5lzd hFGvZFNZf  
; [ZT DCFGUZ5FI, SFP

GS, ZJFG4  
s! fHFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ sHPSPRFWZLfs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
szf DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HGL . HGZs5lzd hMGvZFNZf5F6L IJEFUPPPPHF6 TYF VD, DF8P  
s#fVF; LP GFD, VF[0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s\$F zL IJGMN 5DHLEF. S8FZLI F4TVMGL V5L, VZHL VUJp5ZGL IJUTGACSD wJZF SZJFDFVfJ, IGSF, ; AA HF6 ; F-P

OLPV DPHZLJF, F V 5 ,  8 VMOL; Z VG  SFI "5F, S . HG Z		;  ZT DCFGUZ5FI, SF 5IüD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL G|SMC/WZ/FAP/GP! \_\_\_qZ\_! \$  
 TFPZ\$v\_)vZ\_! \$

VZHNfZ ov zL ZD|X SP HFU|O

; FDFJF/F ov HFC|Z DFICTL VIWSFZL VG|0%| |BL . HG|Zs; LPALPJ; FJFfsXC|Z IJSF; fsJ|: 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov 8LP5LP:SLD GR! \$s5F, f4V|DP5LP\*) 5\$| ; A %, MB GRZ4ZP; PGR#Z#GF VZHNfZq  
 DFI, SqSaHNfZ EFZF VF5GL SRZLDF\ . gJ0"GR\$) 4 TFP\_ \$q\_ 5qZ\_! #YL ZH|SZ|  
 . d5\$8GF SFI NF C|/GL VZHL AFATP

; NE" ov V+|GL VZHNfZGL TFPZ\$q\_)qZ\_! \$ GL SMC/WZ/FAP/GP! \_\_\_qZ\_! \$P

p5ZF\$T IJQFI VG|; NE" AFAT|H6FJJFG|S|VZHNfZGL TFPZ\_q\_ (qZ\_! \$GL VZHLYL 8LP5LP! \$  
 s5F, f4 V|DP5LP\*) 5\$| ; A %, MB GRZ4 ZP; PGR#Z#GF ID<STNFZ TZOYL . gJ0" GR\$) 4 TFP\_ \$q\_ 5qZ\_! # YL  
 . d5\$8 OL AFAT|GL VZHL ; NE"D|NF GR ! YL & GL DFICTL DFUTL VZHL HFC|Z DFICTL VIWSFZLG| SZJFDF\VFJ| P  
 H|GF VG|; WFG|ZFN|Z hMG TZOYL 5+ GRJ|: 8 hMGqVfZP8LPVF. P; |, q) #54 TFP! \*q\_)qZ\_! \$ YL VZHNfZG| IGI T  
 ; DI VJIWDF\DFICTL 5Z| 5FOL TYF %, FG AFAT|GF6\FEZJF IGI T ; DI VJIWDF\5|:TFJ SZ|, K| H|GF VG|; WFG|  
 VZHNfZ TZOYL TFPZ\$q\_)qZ\_! \$ YL ~FP! 5\$qv EZ5F. SZ|, K|

VZHNfZ| TFPZ#q\_)qZ\_! \$GF ZMH V5L, VIWSFZL ZFN|Z hMG| IGI T ; DI DI FNDF\ DFICTLGL  
 GS, M5ZL 5FOJDF\G VFJTF IJGFD| |DFICTLGL DFU6L SZ|, K| VFZP8LPVF. PSFI NFGL S, Dv\*s#f VG|IGI Dv5  
 D|HA VZHNfZG|INGv#\_DF\ VZHNfZ GF6\FEZ5F. SZL T|ZT DFICTLGL GS, M5ZL 5FOJL HM. VP ; NZ IS;; FDF\  
 VZHNfZ| TFPZ\$q\_)qZ\_! \$GF ZMH GF6\FEZ5F. SZ|, CMJF KTF HFC|Z DFICTL VIWSFZL TZOYL SM. DFICTL  
 VZHNfZG|GIC D/L CMJFGL V5L, TASS|ZH|VFT SZ|, K| H|VIT UELZ AFAT K|

C|SD

VZHNfZGL TFPZ\_q\_ (qZ\_! \$ GL VZHLYL DFUJFDF\ VFJ|, DFICTL ; NE" VZHNfZ|  
 TFPZ\$q\_)qZ\_! \$GF ZMH DFU|, DFICTLGF GF6\FEZ5F. SZ|, CM| 4 ; NZ DFICTL VZHNfZG| TftSFI, S 5ZL 5FOJF  
 TYF T|AFAT|H~ZL TS|NFZL ZFBJF HFC|Z DFICTL VIWSFZLG|; |RT SZJFDF\VFJ|K|

GRJ|: 8 hMGqVfZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, ff  
 V|5|, |8 V|f|0; Z VG|  
 SFI "5F, S . HG|Z s5IzD hf|GvZFN|Zf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFC|Z DFICTL VIWSFZL VG|0%| |BL . HG|Z s; LPALPJ; FJFfs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFC|Z DFICTL VIWSFZL VF; LP. HG|ZzL VG|H|GL . HG|Zzls5IzD hMGvZFN|ZfXC|Z IJSF; PPPHF6 TYF VD,  
 DF8P

s#f VF; LP GF|, V|f|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P

s\$f zL ZD|X SP HFU|O4 T|MMGL V5L, VZHL VU|p5ZGL IJUT|GAC|SD wJFZF SZJFDF\VFJ|, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V 5 ,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5IüD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 g   ZFN Z ZM04;  ZT v #) 5 ___)P OIMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G<sup>PSMC/WZ/FAP/GR</sup>! \_! qZ\_! \$  
 TFPZ5v\_)vZ\_! \$

VZHNfZ ov zL ZlgS| ALP 58|,

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZsOLPJLPRF|WZLfsJ|: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov CMB, cc; |JZ V|j0 :5F. ; cc Z|:8MZg8GL DFICTL AFATP

; NE"ov V+GL VZHNfZGL TFPZ5q\_)qZ\_! \$ GL **SMC/WZ/FAP/GR**! \_! qZ\_! \$P

p5ZFST IJQFI VG|; NE"AFAT|H6FJJFG|S|VZHNfZGL TFP! ! q\_(qZ\_! \$GL VZHLYL TFOJFOL BFT|  
 VFJ|, cc; |JZ V|j0 :5F. ; cc Z|:8MZg8 O|GH TYF XCZ| IJSF; IJEFU EFZF VF5JFDf VFJ|, 5ZDLXGGI GS, VG|  
 N:TFJ|HGL GS, GL DFU6L SZ|, KP HGF; NE|V+|YL 5+ GRJ|:8 hMGqVFZP8LPVF. P; |, q(#)4 TFPZ&q\_(qZ\_! \$ YL  
 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL ZFNZ hMG XCZ| IJSF; IJEFU TZOYL TFP#\_q\_(qZ\_! \$GF ZMH . g:5\$XG  
 SZL DFICTL D|/JJF IGI T; DI VJIWDA5|:TFJ SZJFDAVFJ|, P HIFZ|0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL O|GH  
 IJEFU TZOYL 5+ GRJ|:8 hMGqVFZP8LPVF. P; |, q(#\$4 TFPZ(q\_(qZ\_! \$ YL ~FP! \_(qv EZ5F. SZL DFICTL D|/JJF  
 H6FJ|, PH|VU|VZHNfZ|TFPZ! q\_(qZ\_! \$GF ZMH ~FP! \_(qv EZ5F. SZL DFICTL D|/J|, KP HIFZ|XCZ| IJSF; IJEFU  
 TZOYL . g:5\$XG SZL TFP\_Zq\_)qZ\_! \$GF ZMH ~FP! \_(qv EZ5F. SZL DFICTL D|/J|, KP VFD VZHNfZG|0%| |BL  
 . HGZ VG|HFCZ DFICTL VIWSFZL4O|GH VG|XCZ| IJSF; IJEFU TZOYL VZHNfZG|DFICTL 5ZL 5FOJFDAVFJ|, KP

VZHNfZ| TFPZ5q\_)qZ\_! \$GF ZMH 5YD V5L, VZHL SZL VF5|, L DFICTL p5ZYL OI, T YFI K|S|  
 SM. 56 5\$FZGL O|GHGL DFICTLGL j|J:YF Z|:8MZg8 TZOYL SZJFDAVFJ|, GYL VG|UNF 5F6LGMIGSF, YTMZC|, M, FU|  
 K|T|J|VG|DFG SZ|, K|VG|T|AFAT|V5L, VZHL SZJFDAVFJ|, K|VG|T|AFAT|B|, F; M DFUJFDAVFJ|, KP  
 VFZP8LPVF. PSFI NFGL HMUJF. D|HA VZHNfZG|DFICTL 5ZL 5FOJFGL HMUJF. KP B|, F; FDAVF5|, DFICTLDA YTM  
 GYLP JWDA VZHNfZ|V5L, DA UNF 5F6LGF IGSF, AFAT|GL OZLI FNGL, UTF 5|GGL V5L, TASS|ZH|VFT SZ|, KP  
 V5L, DA VZHNfZGL DFICTL; NE|SM. ZH|VFT GYLP VFYL OIZI FNGL, UTL ZH|VFT, FUT hMGGF; 1FD VIWSFZLG|  
 SZJFGL ZC|KP

CSD

VZHNfZGL TFP! ! q\_(qZ\_! \$ GL VZHLYL DFUJFDAVFJ|, DFICTL ZFNZ hMGGF O|GH TYF XCZ| IJSF;  
 IJEFUGF 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL TZOYL DFICTL 5ZL 5FOJFDAVFJ|, KP VFYL DFICTL; NE|SM.  
 CSD SZJFGM ZC|TMGYLP

VZHNfZ| V5L, DA U8ZGL j|J:YF AFAT| OZLI FN IGSF, GF 5|G AFAT| hMGGF; 1FD VIWSFZLG|  
 V, FI NL ZH|VFT SZJF:JT|+ KP

GRJ|:8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
 V|5|, |B V|j0; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ sOLPJLPRF|WZLfs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|HGL . HGZzls5IzD hMGvZFNZfXCZ| IJSF; VG|O|GH

IJEFUPPPHF6 TYF VD, DF8P

s#f VF; LP GF0, V|j0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P

s\$f zL ZlgS|ALP 58|, 4 T|V|GL V5L, VZHL VU|p5ZGL IJUT|GFCSD wJFZF SZJFDAVFJ|, IGSF, ; AA HF6; F-P

OLPV|DPHZLJF, F  
V|5[, |B VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJFOL4  
gl |ZFN|Z ZM04; |ZT v #)5 \_\_\_)P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP|SMC/WZ/FAP/GR! \_\_ZqZ\_! \$  
TFPZ5v\_)vZ\_! \$

VZHNfZ ov zL ZLgS| ALP 58|,

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZs0LPJLPRF|WZLfsJ|: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov CMB, cc; |JZ V|q0 :5F. ; cc Z|: 8|MZg8GL DFICTL AFATP

; "NE"ov V+|GL VZHNfZGL TFPZ5q\_)qZ\_! \$ GL SMC/WZ/FAP/GR! \_\_ZqZ\_! \$P

p5ZF\$T IJQFI VG|; "NE"AFAT|H6FJJFG|S|VZHNfZGL TFP! Zq\_(qZ\_! \$YL CMB, ; |JZ V|q0 :5F. ;  
Z|: 8|MZg8GL VZHL AFAT| DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL|SZJFDA VFJ|, P H|DA VZHNfZ| ; NZ CMB, DA  
TFP\_#q\_#qZ\_! \$GF ZMH , FU|, VFU TYF T|GL ; FD|; M; FI 8LGF ZCLXMwJFZF VF5JFDA VFJ|, VZHLVMSI FN: TFJ|HMG  
GS, GF 5Z|JFGF VFWFZ|CMB, RF, |SZJFGL 5ZJFGUL VF5L T|GL GS, GL DFU6L SZJFDA VFJ|, P H|GF VG|; WFG|ZFNZ  
hMGGF 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL TZOYL 5+ GRJ|: 8 hMGqVFZP8LPVF. P; |, q(! 4 TFP\_)q\_)qZ\_! \$ YL  
IGI T ; DI VJIWDA VZHNfZG| DFU| F D|HAGL DFICTL V+|GF p5, aW Z\$0" HMTF 5F%T GYLP 5ZT| VZHNfZ| TDGL  
TFP! Zq\_(qZ\_! \$ YL VZHL VF. POLPGR\$\*& VZHLGM ; NZC|XCZ IJSF; IJEFU TZOYL 0%| |BL . HGZ VG|HFCZ  
DFICTL VIWSFZL 5+ GRJ|: 8hMGqVFZP8LPVF. P; |, q(! 4 TFP\_)q\_)qZ\_! \$YL IGI T ; DI VJIWDA VZHNfZG| DFU| F  
D|HAGL DFICTL V+|Z\$0" p5Z 5F%T GYL T|JL GS, ZH|SZ|, KP VF ; FY| 5+ GRJ|: 8hMGqVFZP8LPVF. P; |, q(#\*4  
TFP&q\_(qZ\_! \$ YL VF5|, DFICTL ; NZC|Z|: 8|MZg8G|V+|YL CF, DA SM. 5ZDLXG VF5JFDA VFJ|, GYL T|JL GS, DA  
ZH|SZ|, KP AG|GS, MGL ZH|VFT HMTF NOTZL p5, aW DFICTL GYL T|AG|HJFA AG|VZHLDA; DFI HFI K|TDH 5+  
GR J|: 8hMGq VFZP8LPVF. P; |, q(#\*4 TFP&q\_(qZ\_! \$YL VF5|, HJFA CSLST, 1FL CF, DA 5ZDLXG VF5JFDA VFJ|,  
GYL T|JL DFICTL U6FI P VFYL DFICTL ; "NE"SM. IJ; UTTF GYLP 8|SDA; NZC|Z|: 8|MZg8G|SM. 5ZDLXG VF5JFDA VFJ|,  
GYL T|CSLST, 1FL DFICTL KP

VZHNfZ| TFPZ5q\_)qZ\_! \$GF ZMH VZHLYL HFCZ DFICTL VIWSFZL|V+|GF 5+ GRJ|: 8hMGq  
VFZP8LPVF. P; |, q(! 4 TFP\_)q\_)qZ\_! \$ YL GFZFH Y. 5|YD V5L, VZHL SZ|, KP H|DA VZHNfZ| SM5MZ|XG 5F; [  
VFU , Fu| F AFN CMB, RF, |K|S|AW VYJF TM Vg| SM. V6WFZL W8GF AG|t|FZ|HFGDF, GL B|JFZL YFI t|FZ|56  
SM5MZ|XGGF HJFANFZ BFTF 5F; |VFJF HJFAGL V5|FF VFJX|S|SD T|JM ; JF, 8FS|, KP V|B, |S|VGDFIGT KP t|FZ  
AFN VZHNfZ|CMB, G|VI: TtJ Z\$0"p5Z AM, FT|GYL T|JL V5|FF ; FDfg| DF6; G| D/L XSP DFICTL Z\$0"p5Z p5, aW  
GYL T|VF56F DFICTLGF ; "NE"5ZDLXG ; "NE"H6FJ|, K|S|5ZDLXG VF5|, K|S|GICP H|DA 5ZDLXG VF5|, GYL T|J|  
H6FJ|, KP 5ZDLXG VF5|, GL DFICTL Z\$0"p5Z p5, aW GYL T|J|YFI P GIC S|CMB, G|VI: TtJ SM5MZ|XG Z\$0"p5Z  
GYLP

VZHNfZ|V5L, DA TftSFI, S CMB, AW SZJFGL SFI "JFCL SD G SZJL T|VU|V5L, SZ|, KP H|OIZI FN  
IGJFZ6G|, UTM VG|JCLJ8L 5|G KP VFZP8LPVF. PSFI NFDV VZHNfZG|DFICTL 5ZL 5F0JFGL HMUJF. KP

CSD

VZHNZGL TP! Zq\_ (qZ\_! \$ GL VZHLYL DFUJFDFVFEJ, DFICTL ; NE"NOTZL p5, aW CSLST, 1FL  
DFICTL VZHNZG[5ZL 5FOJFDFVFEJ, KP VFYL DFICTL ; NE"SM. CSD SZJFGMZC[TMGYLP

VZHNZ[ V5L, DAFSZ, L OIZI FN VG[IGJFZ6GF , UTF 5[ GF AFAT[ ; 1FD ; tTFG[V, FI NL ZH[VFT  
SZJF :JT+ KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P  
hFGvZFNzf

sOLPVDPHZLJF, ff  
V5[ B VF[O; Z VG[  
SFI 5F, S . HGZ s5IzD

; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[O%l BL . HGZ sOLPJLPRF[WZLfs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HGL . HGZzls5IzD hMGvZFNzfXCZ IJSF; PPHF6 TYF VD,  
DF8P

s#f VF; LP GF, VF[O; Z VG[VFZP8LPVF. P; [, 5|TTPPPPPPHF6 DF8P

s\$f zL ZlgS]ALP 58[, 4 T[MIGL V5L, VZHL VU[p5ZGL IJUTGFCSD wJFZF SZJFDFVFEJ, IGSF, ; AA HF6 ; F-P

OLPV DPHZLJF, F V 5 ,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL GPSMC/WZ/FAP/GP! \_#qZ\_! \$  
 TFPZ&v\_)vZ\_! \$

VZHNfZ ov zL ISXMZS|DFZ HI |TL, F, H|9JF

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|VM, 0%| |BL . HGZsXCZ IJSF; fsJ|:8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov X\$G Z| l0g; L s8LP5LP! \$s5F, f40FP%, N8 GR##fGF DNF GR ! VG|Z AFATP

; NE"ov V+|GL VZHNfZGL TFPZ&q\_)qZ\_! \$ GL SMC/WZ/FAP/GP! \_#qZ\_! \$P

p5ZF\$T IJQFI VG|; NE" AFAT|H6FJJFG|S|VZHNfZ|TFPZ (q\_ (qZ\_! \$GL VZHLYL DNF GR! YL  
 ZGL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL4 ZFNZ hMG BFT|SZJFDFV|FJ|, P H|VU|HFCZ DFICTL VIWSFZL  
 TZOYL 5+ GRJ|:8hMGqVfZP8LPVF. P; |, q) ##4TFP! \*q\_)qZ\_! \$ YL IGI T ; DI VJIWDFAGF6AEZ5F. SZL GS,  
 D|/JJFGM5|:TFJ SZ|, KP H|VU|VZHNfZ|TFPZ\_q\_)qZ\_! \$GF ZMH -FP\_&qv EZ5F. SZL DFICTL D|/J|, KP  
 VZHNfZ|TFPZ&q\_)qZ\_! \$GF ZMH 5|YD V5L, VZHL SZL SZ|, L DFICTL G D/JF AFAT|ZH|VFT  
 SZ|, KP VFYL VZHNfZGL V5L, D|SZ|, ZH|VFT AFAT|DFICTL ; NE" 5|I 1F IGZL1F6 SZL T|AFATGL DFICTLGL  
 RSF; 6L SZL XS|T|DF8|. g: 5\$XG wJZF RSF; 6L SZL , FUT OF. , D|H~ZL DFICTL D|/JL XSP

C|SD

VZHNfZGL TFPZ (q\_ (qZ\_! \$ GL VZHLYL DFUTL DFICTL VgJ| | HFCZ DFICTL VIWSFZL TZOYL  
 NOTZL p5, aW DFICTL 5ZL 5F0JFDFV|FJ|, K|T|D KTA|VZHNfZGF V; |VMF VU|5|I 1F IGZL1F6 SZL DFICTL ; NE|  
 BFTZL SZL XS| T| VU| INGv\*DA , FUT NOTZL OF. , G|. g: 5\$XG 5Z| 5F0JF 0%| |BL . HGZ VG| HFCZ DFICTL  
 VIWSFZL J|:8hMG|H6FJJFDFV|FJ| K|VG|VZHNfZG| B5 5ZTL GS, M S, Dv\*s#f VG| IGI Dv5 C9/ 5ZL  
 5F0JFGL ZC|XP

GRJ|: 8 hMGqVfZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPV|DPHZLJF, ff  
 V|5|, |B V|I0; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFN|Zf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ40LPJLPRF|WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|H|GL . HGZzLs5IzD hMGvZFN|ZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GF0, V|I0; Z VG|VfZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$F zL ISXMZS|DFZ HI |TL, F, H|9JF4 T|V|GL V5L, VZHL VU|p5ZGL IJUT|GACSD wJZF SZJFDFV|FJ|, IGSF, ; AA HF6  
 ; F~P



<p>OLPVDPHZLJF, F V5L, B VMOL; Z VG SFI 5F, S . HGZ</p>		<p>; ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4 gl J ZFNZ ZMO4; ZT v #) 5 ___) P OMGo_Z&amp;! vZ* (&amp;! (! v(Zv(#</p>
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V5L, VZHL G<sup>PSMC/WZ/FAP/GR!</sup> \_\$qZ\_! \$  
TFPZ&v\_)vZ\_! \$

VZHNfZ ov zL zwWF ; M; FI 8LGF ZCLXM JTL 5D]BzLv; N: I zLVM  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZsOLPJLPRFwZLfsJf; 8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov GRAlv! qAlv&DfJf6HI C[T]DF8[AGFJ], UZSFI Nf; Z AfWSFD Nf SZJF AfATP  
; NE"ov V+GL VZHNfZGL TFPZ&q\_)qZ\_! \$ GL **SMC/WZ/FAP/GR!** \_\$qZ\_! \$P

p5ZfST IJOFI VG[ ; NE" AfAT[ H6FJJFG] S[ VZHNfZGL TFP\_5q\_ (qZ\_! \$YL zL zwWF ; M; FI 8L4  
VMUZ A]HGL ; FD] HCFULZ5Zf4Alv! qAlv& DfJf6HI C[T] DF8[AGFJ], UZSFI Nf; Z AfWSFD Nf SZJF AfAT[DNF  
GR! YL \$ GL DFICTL DfUTL VZHL HFCZ DFICTL VIWSFZL4 ZFNZ hMGDA\SZJFDfVfJ, P HGF VG; WFG[HFCZ DFICTL  
VIWSFZL TZOYL 5+ GRJf; 8 hMGqVfZP8LPVF. P; , q(5\_4 TFPZ(q\_(qZ\_! \$ YL IGI T ; DI VJIWDA VZHNfZG[DFICTL  
5ZL 5FOJFDfVfJ, Kp

VZHNfZ[ TFPZ&q\_)qZ\_! \$GF ZMH 0%I ]BL . HGZ VG[ HFCZ DFICTL VIWSFZL ZFNZ hMG[ VXT0  
HJfAYL GFZFH Y. V5L, VZHL SZ, Kp HDfVZHNfZ; lv! VG[Alv! JrRGMZ:TMdHfZ %, FG D]HA Z5 0BGFZMO  
:Y/ p5Z D/TMGYP

%, MB GRAlv! GL 5FK/ AGFJ, VMB, M SFI Nf; Z ZLT[5MTFGL %, MBGL DFI, SLDfAGFJ, K[TGL DFICTL  
DFU, Kp ; NZ AG[5]G SFI "JfCLG[, UTF 5]G Kp T[AfAT[HFCZ DFICTL VIWSFZLV[SFI "JfCL CFY WZJFDfVfJ, T]J  
H6FJ, Kp VfZP8LPVF. PSFI NFGL HMUJF. D]HA VfZP8LPVF. PDA DFICTL Vf5JFDf; DfJX YFI Kp HDfSFI "JfCLGM  
; DfJX YTMGYL T[SFI "JfCL AfAT[VZHNfZG[DFICTL 5ZL 5FOJFDfVfJ, Kp T[:Y/ T5F; SIF"AFN IGI D D]HAGL  
SFI "JfCL CFY WZJFDf VfJXP VFD VZHNfZG[HFCZ DFICTL VIWSFZL TZOYL NOTZL VG[ CSLST, 1FL DFICTL 5ZL  
5FOJFDfVfJ, Kp SFI "JfCL AfAT[VZHNfZ ; 1FD ; tTFG[V, FI NL ZH]VFT SZJfGL ZC[Kp

CSD

VZHNfZGL TFP\_5q\_ (qZ\_! \$ GL VZHLYL DfUJFDfVfJ, DFICTL VZHNfZG[5ZL 5FOJFDfVfJ, Kp  
TYL DFICTL ; NE"SM. CSD SZJfGMZC[TMGYP

VZHNfZ[V5L, DfSFI "JfCL ; NE"SZ, ZH]VFT AfAT[; 1FD ; tTFG[V, FI NL ZH]VFT SZJf :JT+ Kp

GRJf; 8 hMGqVfZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, Ff  
V5L, B Vf]0; Z VG  
SFI 5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJfGF4  
s! f HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ sOLPJLPRFwZLfs5IzD hMGfPPPPPHf6 TYF VD, Df8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HGL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHf6 TYF VD,  
Df8P  
s#f VF; LP GF, Vf]0; Z VG[VfZP8LPVF. P; , 5]TPPPPPPHf6 Df8P  
s\$F zL zwWF ; M; FI 8LGF ZCLXM JTL 5D]BzLv; N: I zLVM T]VMGL V5L, VZHL VU[p5ZGL IJUTGfCSD wJfZf SZJFDf  
VfJ, IGSF, ; AA Hf6 ; F~P

OLPV DPHZLJF, F V 5[,  8 VMOL; Z VG  SFI "5F, S . HG Z		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #)5 ___)P OMGo_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL G|SMC/WZ/FAP/GP! \_5qZ\_! \$  
 TFP\_! v! \_vZ\_! \$

VZHNfZ ov zL IUZLX WG; |BEF. 58|,

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HG|Zs; LPALPJ; FJfFsJ|:8 hMGf

OZLI FNGL CSLST ov

IJQFI ov CDMVZHNfZ TFPZZq\_\*qZ\_! \$GF ZMH XCZL IJSF; BFTFDVVF5|, L VZHL  
 ZPGRGR! ! ) 5DASIF 5U, F, |JFI FT|AFATGL DFICTL DF8|VG|; FDF 51FG|SM. GMBL;  
 VF5L CMI TMT|GMX|HJFA VF%|MT|GL GS, VF5JF AFATP

; NE"ov V+|GL VZHNfZGL TFP\_! q! \_qZ\_! \$ GL SMC/WZ/FAP/GP! \_5qZ\_! \$P

p5ZfST IJQFI VG|; NE" AFAT|H6FJJFG|S| VZHNfZGL TFP! \$q\_ (qZ\_! \$GL VZHLYL VZHNfZGL  
 TFPZZq\_\*qZ\_! \$GL XCZL IJSF; BFTFDVVF5|, VZHL GR! ! ) 5 AFAT|X|5U, F, |JF T|VU|GL DFICTL DFUTL VZHL  
 TFP! \$q\_ (qZ\_! \$GF ZMH HFCZ DFICTL VIWSFZL ZFNZ hMG XCZL IJSF; IJEFU BFTFDV|SZJFDV|VFJ|, P HGF VG|; WFG|  
 HFCZ DFICTL VIWSFZL TZOYL 5+ GR J|:8 hMGqVFZP8LPVF. P; |, q( )4 TFP\_&q\_)qZ\_! \$ YL VZHNfZG| SFI "JFCL  
 AFAT|GL DFICTL Z\$0"p5Z p5, aW G CMJFG|H6FJ|, KP

VZHNfZ|HFCZ DFICTL VIWSFZL TZOYL D/|, F 5|TEFJYL GFZFH Y. TFP\_! q! \_qZ\_! \$GF ZMH 5|YD  
 V5L, VZHL SZ|, KP V5L, VZHL SZJFG|SFZ6 VZHLGMHJFA I Mu| G D/|, H6FJ|, KP HFCZ DFICTL VIWSFZLV|  
 VZHNfZGL VZHL AFAT| SZ|, L SFI "JFCL S|G SZ|, L SFI "JFCL AFAT|NOTZL p5, aW CSLST, 1FL DFICTL 5ZL 50JFGL ZC|  
 KP 5ZT|HFCZ DFICTL VIWSFZLV|VZHL AFAT|HMSFI "JFCL G SZ|, CMI TMT|VU|CSLST, 1FL DFICTL H6FJJFGL ZC|KP

C|SD

VZHNfZGL TFP\_! q! \_qZ\_! \$ GL VZHL AFAT| NOTZL p5, aW CSLST, 1FL DFICTL INGv\*DA  
 VZHNfZG|5ZL 5F0JF 0%| |BL . HG|Z VG|HFCZ DFICTL VIWSFZLG|H6FJJFDV|VFJ|KP

GRJ|:8 hMGqVFZP8LPVF. PqGR  
 TFZLBoV v vZ\_! 5P  
 hFGvZFN|Zf

sOLPV|DPHZLJF, Ff  
 V|5[, |8 V|F|0; Z VG|  
 SFI "5F, S . HG|Z s5lZD

; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG|0%| |BL . HG|Z s; LPALPJ; FJfFs5lZD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HG|ZzL VG|HG|L . HG|Zzls5lZD hMGvZFN|ZfXCZL IJSF; PPHF6 TYF VD,  
 DF8P

s#f VF; LP GF0, V|F|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P

s\$f zL IUZLX WG; |BEF. 58|, 4 T|MG|L V5L, VZHL VU|p5ZGL IJUT|G|C|SD wJFZF SZJFDV|VFJ|, IGSF, ; AA HF6  
 ; F~P

OLPVDPHZLJF, F  
V5, 8 VMOL; Z VG  
SFI 5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl J ZFNZ ZM04; ZT v #) 5 \_\_\_) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP</sup>/GP! \_&qZ\_! \$  
TFP\_! v! \_vZ\_! \$

VZHNZ ov zL IJGMN 5DHLEF. S8FZLI F  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG(0%l ßL . HGZsHPSPRFWZLfsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ovZFDGUZ IGHWFDF VzD 5F; ICIZVMD Sld5, IFGL AFHDFs; MGI F OXGJF/L ID<STF  
AFATP

; NE"ovV+GL VZHNZGL TFP\_! q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! \_&qZ\_! \$P

p5ZFST IJQFI VG(; NE" AFAT(H6FJJFG)S[VZHNZGL TFP\_)q\_)qZ\_! \$GL SFI 5F, S . HGZ4 ZFNZ  
hMG TYF STFZUFD hMGG(; AMWTL DNF GR! YL \$GL HNL HNL ID<STM AFAT( DFICTL DFUTL VZHL ; 8= hMG BFT  
SZJFDFVFEJ, P H(; 8= hMG TZOYL GR; P hMGqVFZ8LVF. qHFJSq! (\*54TFP! ! q\_)q! \$YL 0%l ßL . HGZ ZFNZ hMG VG  
STFZUFD hMGG( IGI T ; DI VJIWDF TANL, SZJFDF VFEJ, P HDA DNF GR! AFAT( V+GF hMGG( : 5X"TL DFICTL  
DFUJFDF VFEJ, P HDA VZHNZ[ ZFDGUZ IGHWFDF VzD 5F; ICIZVMD Sld5, IFGL AFHDF; MGI F OXGJF/L  
ID<STJF/L AFWSFD AFATGL DFICTL DFUJFDF VFEJ, KP HGF VG; WFG( V+YL 5+ GRJ: 8hMGqVFZP8LPVF. P; j q  
! ! \_Z4 TFP! #q! \_q! \$YL VZHNZG(; NZC)ID<STGL VM/B VG(ID<STGF 8LP5LP: SLD4 VDP5LP4 ; A %, MB GAZ S(a, MS  
GAZ HJF VM/B Y. XS(TJL DFICTL 5ZL 5F0I YL ID<ST AFAT(NOTZL Z\$0"; JML DFICTL 5ZL 5FOL XSFI T[VU(IJUTM  
DFUTM 5+ VZHNZG(5F9JJFDF VFEJ, P 5ZT) VZHNZ VFHING ; JML T[VU(SM. IJUT 5F9J, G CMI ID<ST VU(GL  
DFICTL 5ZL 5FOL XSFI GYLP

VZHNZ(TFP#\_q\_)q! \$GF ZMH dI PSIDxGZzLG(; AMWGL(V5L, Dbl SRZL4 Dwl : Y SRZLV(VF5JFDF  
VFEJ, P H(TFP#\_q\_)q! \$GF ZMH J: 8hMGG(TANL, SZJFDF VFEJ, P VZHNZ(V5L, DA; NZ 5F9J, HJFAYL GFZFH Y.  
5YD V5L, VZHL SZ, KP 5ZT)VZHNZ(HFCZ DFICTL VIWSFZLV(DFU, IJUTM VU(SM. : 508TF V5L, TASS(56  
SZ, GYLP HFCZ DFICTL VIWSFZLV(VZHNZG(; NZC)ID<ST AFATGL IJUTM 5ZL 5F0JF 5+ 5F9J, KP 5ZT)VZHNZ  
VFHING ; JML TJL IJUTM 5ZL 5F0J, G CMJFYL DFICTL 5ZL 5FOL XSFI TID GYLP VFZP8LPVF. PSFI NGL IGI DM VG  
HMJJF. ; NE"; INuW IJUTM F/L VZHL AFAT(IJUT(VZHNZG(5ZL 5F0JFGL CMI K(H(VZHNZ(5ZL 5F0J, GYLP  
VFYL VFEJ ; INuW IJUT VZHNZ(5ZL 5F0JFGL ZCP

CSD

VZHNZ(HFCZ DFICTL VIWSFZL ID<STGL VM/B AFAT(IJUTM 5ZL 5F0JF H6FJJFDF VFEJ KP HYL  
HFCZ DFICTL VIWSFZL WJZF TJL DFICTL 5ZL 5FOL XSFI P VZHNZ( ; NZ ; NE" IJUTM 5ZL 5F0I FYL INGv\*DA  
VZHNZG(TJL DFICTL p5, aW SZJF 0%l ßL . HGZ VG(HFCZ DFICTL VIWSFZL ZFNZ hMGG(H6FJJFDF VFEJ KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, ff  
V5, 8 VF0; Z VG  
SFI 5F, S . HGZ s5lzd hFGvZFNZf  
; ZT DCFGUZ5FI, SF

GS, ZJGF4  
s! fHFCZ DFICTL VIWSFZL VG(0%l ßL . HGZ sHPSPRFWZLfs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; IP. HGZzL VG(HGL . HGZs5lzd hMGvZFNZFXCZ IJSF; IJEFUPPPPHF6 TYF VD, DF8P  
s#fVF; IP GF, VF0; Z VG(VFZP8LPVF. P; j 5TPPPPPPHF6 DF8P  
s\$F zL IJGMN 5DHLEF. S8FZLI F4TMGL V5L, VZHL VU(p5ZGL IJUTGA CSD WJZF SZJFDF VFEJ, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5IüD hMG sZFN[Zf OFPAF, F; FCJA N[JZ; ZM04 TFOJFOL4 gl ]ZFN[Z ZM04; [ZT v #)5 ___)P OMG0_Z&! vZ*( &! (! v(Zv(#
---	---	--

V5L, VZHL G<sup>P</sup>SMC/WZ/FAP/GP! \_\*qZ\_! \$  
 TFP\_! v! \_vZ\_! \$

VZHNfZ ov zL 5]6'DFA[G VG]5S]DFZ R]J, L

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%] [BL . HGZsJLPV|PDMNlfSj]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ; FT hMG ; [ZT DCFGUZ ; [JF; NG CN IJ:TFZDAFDMAF. , 8FJZ SFI N[; Z UZSFI N[; Z  
 V[; PVDP; IPV[DFg] SZ[ CMI H[VUJGL DFICTLGF DNf GR! YL \$ AFATP

; NE"ov V+GL VZHNfZGL TFP\_! q! \_qZ\_! \$ GL SMC/WZ/FAP/GP! \_5qZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[ H6FJJFG]S[ VZHNfZGL TFPZ\_q\_)qZ\_! \$ GF ZMH VZHLYL ; [ZT  
 XCZ CN IJ:TFZDAFVfJ[ DMAF. , 8FJZM AFAT[ID<ST ; [AW[ DNf GR! YL \$ GL DFICTL DFUTL VZHL SIDxGZzLGL  
 ; [AMWTL VZHL ; [g8= hMG BFT[ SZJFDA VfJ[ P T[ ; [g8= hMG TZOYL 5+ GR ; PhMGqVFZ8LVF. qHFJSqZ\_! \*4  
 TFPZZq\_)qZ\_! \$ YL TDFD hMG VG[8FpG %, FGLU IJEFUG[IGI T ; DI VJIWDATANL, SZJFDAVfJ[ Kp

p5ZMST DFICTL DFUTL VZHL AFAT V+YL 5+ GRJ[:8hMGqVFZP8LPVF. P; [; q! \_! \*4  
 TFP\_)q! \_qZ\_! \$ YL IGI T ; DI DA DFICTL ; NE" GF6A EZ5F. SZL DFICTL D/JJF H6FJJFDA VfJ[ Kp 5ZT]  
 VZHNfZ TZOYL GF6AEZ5F. SI "IJGF TFPZ)q\_)qZ\_! \$GF ZMH 5YD V5L, Dwl :Y SRZL BFT[SZJFDAVfJ[ P HDA  
 VZHNfZ[Vf5[ DFICTL]J6'G SZ[ Kp VZHNfZ[V5L, DAfSM. 56 HFTGM 5[ti [Z 5F9JJFGM H[ZHMFT SZ[ Kp H[  
 ; NE"H6FJJFG]S[VZHNfZ[V5L, DAH GF6AEZ5F. SZJFGM H[5]:TFJ HFCZ DFICTL VIWSFZLV[Vf5[ K[T[H6FJ[  
 Kp JWDAV5L, GFZFHV; [p8 VG[5]EfiJT Y. V5L, SZJFG]H6FJ[ Kp H[SM. 56 5[ti [Z G D?I M CMI TMGFZFH  
 S[V; [p8GM 51F ZC[FMGYIP VFD VZHNfZG[GF6AEZL DFICTL D/JJFGM5]:TFJ D/[ K[T[5]T5HINT YFI Kp

VZHNfZ . rK\$ CMI TM HFCZ DFICTL VIWSFZLV[IGI T ; DI VJIWDAfSZ[ 5]:TFJ VG[ FZ GF6A  
 EZ5F. SZL DFICTL D/JJFGL ZC[Kp

C]SD

VZHNfZGL TFPZ\_q\_)qZ\_! \$ YL DFUJFDAVfJ[ DFICTL AFAT[HFCZ DFICTL VIWSFZLV[SZ[ 5]:TFJ  
 VG[ FZ GF6AEZ5F. SZL DFICTL D/JJF :JT+ Kp

GRJ[: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
 V[5[, [B V[10; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[0%] [BL . HGZ sJLPV|PDMNlfS5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzIs5IzD hMGvZFNZf8FJZ IJEFUPPPPHF6 TYF VD, DF8P  
 s#f VF; LP GFp, V[10; Z VG[VfZP8LPVF. P; [; 5]TPPPPPPHF6 DF8P  
 s\$f zL 5]6'Df VG] R]J, L4 T]MGL V5L, VZHL VU[p5ZGL IJUTGAC]SD wJFZF SZJFDAVfJ[ IGsf, ; AA HF6 ; F~P

OLPV DPHZLJF, F V 5 ,  8 VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJF0L4 gl  ZFN Z ZM04;  ZT v #)5 ___)P OIMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL G|SMC/WZ/FAP/GR! |(qZ\_! \$  
 TFP\_ \$v! \_vZ\_! \$

VZHNfZ ov zL ZD|X S|P HFU|O

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG| VM, 0%| |BL . HGZsXCZ IJSF; fsJ|: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov TFP\_! q\_! qZ\_! \$YL Vt| FZ ; |MLDFAOLDM, |XG YTF|AFWSFDM; FD|ID<STNFZ|HFT|  
 DHZ % , FG IJ~wWG|TYF DHZL IJGF|AFWSFD N|Z SZJF VU|VF5|, AFC|WZL5+M  
 AFATP

; NE"ovV+|GL VZHNfZGL TFP\_ \$q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! |(qZ\_! \$P

p5Z|ST IJOFI VG| ; NE" AFAT| H6FJJF|S| VZHNfZGL TFP\_Zq\_)qZ\_! \$GL VZHLYL hMGGF  
 SFI "F+D|ATFP\_! q\_! q! \$YL Y| |, AFWSFDM AFAT|D|NF GR! YL # GL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL  
 ZFNZ hMG BFT|SZJFDF|VEJ|, P H|GF VG|; WFG|0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL TZOYL 5+ GR J|: 8hMGq  
 VFZP8LPVF. P; |, q) (54 TFPZ5q\_)q! \$YL IGI T ; DI VJIWDF|DFICTL 5ZL 5FOL VG|N: TFJ|HL GS, M 5ZL 5FOJF  
 HFCZ DFICTL VIWSFZLV|5|:TFJ SZ|, K|P H|GF ; NE"VZHNfZ|TFP! \$q! \_q! \$GF ZMH ~FP) \$qv EZ5F. SZ|, K|P

VZHNfZ|TFP\_ \$q! \_q! \$GF ZMH HFCZ DFICTL VIWSFZL wJFZF IGI T ; DI DI FNDF|DFU|, L GS, M  
 5ZL 5FOJFDF|G VEJL CMJFYL IJGFD| DFICTLGL GS, MGL DFU6L V5L, D|SZJFDF|VEJ|, K|P 5Z| VZHNfZ|  
 TFP\_ \$q! \_q! \$GF ZMH GF6|EZ5F. SZ|, G CMI T|PH HFCZ DFICTL VIWSFZLV|IGI T ; DI VJIWDF|GF6|EZL  
 5|:TFJ SZ|, CMI 4 VZHNfZ|SZ|, V5L, ; NZC|TFZLB|VFZP8LPVF. PGF SFI NF ; FY[; |; UT GYLP t| FZ AFN VZHNfZ|  
 TFP! \$q! \_q! \$GF ZMH GF6|EZ5F. SZ|, K|P VFYL VZHNfZG|; NZ GS, 5ZL 5FOJFGL ZCP

C|SD

VZHNfZ|TFP\_Zq\_)q! \$GL VZHLYL DFUJFDF|VEJ|, DFICTL 5S| D|NF GR! AFAT|GL DFICTLGL GS, M  
 ; NE"VZHNfZ|GF6|EZ|, CMI VZHNfZG|INGv\*DF|GS, 5ZL 5FOJF 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZLG|  
 H6FJJFDF|VEJ|K|P

GRJ|: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, FF  
 V|5|, |8 VF|0; Z VG|  
 SFI 5F, S . HGZ s5lzd hFGvZFNZf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG|VM, 0%| |BL . HGZs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG|H|GL . HGZs5lzd hMGvZFNZfXCZ IJSF; IJEFUPPPPHF6 TYF VD, DF8|  
 s#fVF; LP GF|, VF|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$F zl ZD|X S|PHFU|O4 T|VMGL V5L, VZHL VU|p5ZGL IJUTG|ACSD wJFZF SZJFDF|VEJ|, IGSF, ; AA HF6 ; F~P

OLPV|DPHZLJF, F  
V|5|, |8 VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJFOL4  
g| |ZFN|Z ZM04; |ZT v #)5 \_\_\_)P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GR! \_)qZ\_! \$  
TFP\_ \$v! \_vZ\_! \$

VZHNfZ ov zL ZD|X SP HFU|LO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG| VM, 0%| |BL . HGZsXCZ| IJSF; fsJ|: 8 hMGF

OZLI FNGL CSLST ov

IJQFI ov TFP\_! q\_! qZ\_! \$YL Vt| FZ ; |MLD|VFZP8LPVF. PV\$8 C9/ SRZLGF Z\$0"5Z  
DFICTL p5, aW GF CMJF VUJGF VZHNfZMG|5F9J|, 5+M|AFATP

; NE" ovV+|GL VZHNfZGL TFP\_ \$q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! \_)qZ\_! \$P

p5Z|ST IJQFI VG| ; NE" AFAT| H6FJJFG| S| VZHNfZGL TFP\_Zq\_)qZ\_! \$GL VZHLYL  
TFP\_! q\_! q! \$YL VFZP8LPVF. PC9/ Z\$0"p5, aW G Y| |, CMI T|JF VFZP8LPVF. PGF 5F9J|, 5+GL GS, M VYJF  
DHZ %, FG TYF ZHFIR9L Z\$0"p5Z p5, aW G CMI T|JF 8LP5|PGAZ4V|DP5|PGAZ4; J|GAZ48LSF GAZ4; A%, M8 GAZ4  
, MSXG GAZ4 ID<STNFZG|GFD ; ICT p5, aW Z\$0GL DFICTL DFUTL VZHL SZJFDF|VFJ|, P H|GF VG| WFG| HFCZ  
DFICTL VIWSFZLV| 5+ GR J|: 8hMGqVFZP8LPVF. P; | q! \_Z! 4TFP#\_q\_)q! \$YL IGI T ; DI VJIWDF| VZHNfZG|  
. g: 5\$XG SZL DFICTL D|/JJF H6FJ|, K|P 5ZT| VZHNfZ|. g: 5\$XG SZL DFICTL D|/J|, GYLP

VZHNfZ|TFP\_ \$q! \_q! \$GF ZMH IGI T ; DI DI FNFDF|VZHNfZ|DFU|, DFICTLGL GS, M5ZL 5F0|, G  
CMI IJGFD| DFU|, DFICTLGL GS, MGL DFU6L SZTL V5L, VZHL SZJFDF|VFJ|, K|P H|HFCZ DFICTL VIWSFZLV|  
VZHNfZG| ; NZC| DFICTL D|/JJF IGI T ; DI VJIWDF| 5|:TFJ SZ|, CMI VZHNfZGL V5L, DF|SZ|, DFU6L  
VFZP8LPVF. P SFI NF ; FY[; |; UT GYL TYF SFI NFSLI ZLT|T|GF ; DYG D/T|GYLP

VFZP8LPVF. PSFI NFGL S, Dv\*s) fGL HMUJF. VG| FZ VFSZ6LGF DI FIN T ; G; FWGMw| FG|ZFB|LG|  
DFUJFDF|VFJ| L VZHNfZGL IJXQF 5\$FZGL DFICTL ; NE" VFZP8LPVF. PGF SFI NFGL S, Dv5sSfGL HFCZ DFICTL  
VIWSFZLGL D|/L ; tTFGL ~V| 56 HFCZ DFICTL VIWSFZL T5F; 6L AFAT| IG6" SZJF ; 1FD K|P T|SFI NF ; FY[  
; |; UT K|P VFYL VZHNfZ|. g: 5\$XG SZL|HFCZ DFICTL VIWSFZLV|SZ|, 5|:TFJ VG| FZ DFICTL D|/JJFGL ZCP

C|SD

VZHNfZ|TFP\_Zq\_)q! \$GL VZHLYL DFUJFDF|VFJ|, DFICTL ; NE" HFCZ DFICTL VIWSFZLV|IGI T  
; DI VJIWDF|SZ|, 5|:TFJ VG| FZ VZHNfZ . rK\$ CMI TM INGv\*DF|VM0; SFDSFH NZd|FG HFCZ DFICTL  
VIWSFZLGM ; 5S" SZL . g: 5\$XG SZL DFICTL D|/JJF :JT|+ K|P VZHNfZGL VFJL DFU6L YI|YL VZHNfZG|  
. g: 5\$XG 5Z|5F0JF 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZLGH6FJJFDF|VFJ|K|P

GRJ|: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
V|5|, |8 VF|0; Z VG|  
SFI 5F, S . HGZ s5lzd hfGvZFNZf  
; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! fHFCZ DFICTL VIWSFZL VG|VM, 0%| |BL . HGZs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|H|GL . HGZs5lzd hMGvZFNZFXCZ IJSF; IJEFUPPPPHF6 TYF VD, DF8|  
s#fVF; LP GF, VF|0; Z VG|VFZP8LPVF. P; | 5|TPPPPPPHF6 DF8P  
s\$F zL ZD|X SPHFU|L04 T|VMGL V5L, VZHL VU|p5ZGL IJUT|G|C|SD wJFZF SZJFDF|VFJ|, IGSF, ; AA HF6 ; F-P

OLPV DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA N[JJZ; ZM04 TFOJF0L4 gl   ZFNZ ZM04; [Z v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GP! ! \_qZ\_! \$  
 TFP\_ \$v! \_vZ\_! \$

VZHNfZ ov zL ZD[X SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZvHPSPRFWZLSXCZ IJSF; fsJ[: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov 8LP5LPZ) sZFNZfGF IJ: TFZDFATPZ (q\_#qZ\_! ! AFN pEF YI |, UZSFI N|AFWSFDM  
 AFATP

; NE" ov V+|GL VZHNfZGL TFP\_ \$q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! ! \_qZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[ H6FJJFG|S| VZHNfZGL TFP\_#q\_) qZ\_! \$GL VZHLYL VZHNfZ  
 8LP5LPZ) sZFNZf IJ: TFZDFATPZ (q\_#qZ\_! ! AFN pEF YI |, UZSFI N|AFWSFD ; NE" GMBL; DGF. CSD IGI DAWW  
 SZJFDFVfJ|, AFWSFDM VG|. gSFZ SZ|, AFWSFDMGL GS, MGL DFU6L SZ|, KP DNF GR! YL \$GL DFICTL DFUTL VZHL  
 ZFNZ hMG BFT[SZJFDFVfJ|, KP HGF VG; WFG[0%| BL . HGZ VG[HFCZ DFICTL VIWSFZL TZOYL 5+ GR J[: 8hMGq  
 VFZP8LPVF. P; | q) ) &4 TFP! ) q\_) q! \$YL IGI T ; DI VJIWDF. g: 5\$XG SZL DFICTL D|/JJF H6FJ|, KP

VZHNfZ[TFP\_ \$q! \_q! \$GF ZMH IGI T ; DI DI FNDFV VZHNfZ[DFU|, DFICTLGL GS, M5ZL 5F0|, G  
 CMI IJGFD| DFU|, DFICTLGL GS, MGL DFU6L SZTL V5L, VZHL SZJFDFVfJ|, KP H|HFCZ DFICTL VIWSFZLV|  
 VZHNfZG[; NZC| DFICTL D|/JJF IGI T ; DI VJIWDF 5:TFJ SZ|, CMI VZHNfZGL V5L, Df SZ|, DFU6L  
 VFZP8LPVF. P SFI NF ; FY[; | UT GYL TYF SFI NFSLI ZLT|TGF ; DSIF D/T|GYLP

VFZP8LPVF. PSFI NFGL S, Dv\*s) fGL HMUJF. VG; FZ VFSFZ6LGF DI FIN T ; G; FWGMw| FG[ZFBLG|  
 DFUJFDFVfJ|, L VZHNfZGL IJXQF 5\$FZGL DFICTL ; NE" HFCZ DFICTL VIWSFZLG| VFZP8LPVF. PGF SFI NFGL  
 S, Dv5sSf DJHA ; NZ DFICTL VU|. g: 5\$XG 5Z| 5F0|, KP T|SFI NF ; FY[; | UT KP VFYL VZHNfZ|. g: 5\$XG  
 SZLG|HFCZ DFICTL VIWSFZLV|SZ|, 5:TFJ VG; FZ DFICTL D|/JJFGL ZCP

CSD

VZHNfZ[TFP\_#q\_) q! \$GL VZHLYL DFUJFDFVfJ|, DFICTL ; NE" HFCZ DFICTL VIWSFZLV| IGI T  
 ; DI VJIWDF SZ|, 5:TFJ VG; FZ VZHNfZ . rK\$ CMI TM INGv\* Df VM0; SFDSFH NZd| FG HFCZ DFICTL  
 VIWSFZLGM ; '5" SZL . g: 5\$XG SZL DFICTL D|/JJF :JT+ KP VZHNfZGL VFJL DFU6L YI|YL VZHNfZG|  
 . g: 5\$XG 5Z| 5F0JF 0%| BL . HGZ VG[HFCZ DFICTL VIWSFZLG|H6FJJFDFVfJ|KP

GRJ[: 8 hMGq VFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, Ff  
 V[5[, [8 VF|0; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! FHFCZ DFICTL VIWSFZL VG|0%| BL . HGZvHPSPRFWZLS5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|H|GL . HGZs5IzD hMGvZFNZFXCZ IJSF; IJEFUPPPPHF6 TYF VD, DF8|  
 s#fVF; LP GF0, VF|0; Z VG|VFZP8LPVF. P; | 5|TPPPPPPHF6 DF8P  
 s\$F zL ZD[X SPHFULO4 T|VMGL V5L, VZHL VU|p5ZGL IJUTGACSD wJFZf SZJFDFVfJ|, IGSF, ; AA HF6 ; F-P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[IZ; ZMO4 TFOJFOL4  
gl ]ZFNZ ZMO4; [ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GP! !! qZ\_! \$  
TFP\_ \$v! \_vZ\_! \$

VZHNfZ ov zL 5LS, 5[0k, RN=3LJF/F

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ4JLPVPMNLsXCZ IJSF; fsJl:8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov8LP5LP! ZsV0FH6f4VDP5LP) \* VG[ ) (GL AFHJFASlp5ZJF/L ID<ST TYF  
8LP5LP#ZsZFNZf4 VDP5LP! ! 54VMP5LPGR (ZJF/L ID<ST AFAT  
; NE"ovV+GL VZHNfZGL TFP\_ \$q! \_qZ\_! \$ GL SMC/WZ/FAP/GP! !! qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG]S[ VZHNfZGL TFP! ! q\_\*qZ\_! \$ GF ZMH HFCZ DFICTL  
VIWSFZL4 ; [ZT DCFGUZ5FI, SFG[ ; AMWTL VZHL SZJFDFVFEJ, P TDF8LP5LP! Z4 V0FH64 VDP5LP) \*v) (GL AFHJF  
ID<STMGF AFWSFD AFAT[ 5ZJFGUL H~ZL N:TFJH VG[ SFI 'JFCL AFATGF IJUTM DFUTL DNF GR! YL ! \*GL DFICTL  
DFUTL VZHL SZJFDFVFEJ, P HGF VG[; WFG[ HFCZ DFICTL VIWSFZL VG[ VFSFZ6L VG[J; ], FT VIWSFZL4 ZFNZ hMG  
TZOYL VF. POLPGR#&\_ AFAT[ 5+ GR Jf:8hMGqVFP8LPVF. P; [ q&##4 TFPZ5q\_&qZ\_! \$ YL VZHNfZG[ IGI T ; DI  
VJIWDF~FP! \$qv4 TFP\_&q\_)qZ\_! \$ GF ZMH EZ5F. SZL DFICTL D/J, KP H[ VZHNfZ[ EZ5F. SZL HFCZ DFICTL  
VIWSFZL VG[0%l [BL . HGZ TZOYL 5+ GR Jf:8hMGqVFP8LPVF. P; [ q&#(4 TFPZ5q\_\*qZ\_! \$ YL IGI T ; DI VJIWDF  
GF6AEZL DFICTL D/JJF 5;TFJ SZ, P HJDFVZHNfZ[VF. POLPGR#&\_DFDNF GR! 5 GMBL; GF ~FP&qv EZL +6 GMBL;  
D/J, KP

VZHNfZGL VF. POLPGR#5)4 TFP! ! q\_\*qZ\_! \$ VZHL AFAT[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR  
Jf:8hMGqVFP8LPVF. P; [ q&\$&4 TFPZ(q\_\*qZ\_! \$ YL IGI T ; DI VJIWDFDFICTL 5ZL 5FOL VG[H~ZL N:TFJH DF8[  
IGI T ; DI VJIWDF5;TFJ SZ, KP HJDFVZHNfZ[~FP! &qv4 TFP\_5q\_! qZ\_! 5GF ZMH EZ5F. SZL 5F8":8B; TPDH  
Vf; [ Dq8GL GS, D/J, K[TPDH HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ TZOYL 5+ GR Jf:8hMGqVFP8LPVF. P; [ q  
&&\_4 TFP#\_q\_\*qZ\_! \$ YL IGI T ; DI VJIWDFDFICTL 5ZL 5FOL N:TFJH DF8[ 5;TFJ SZ, KP H[ VU[ VZHNfZ[  
TFP\_ \$q\_ (qZ\_! \$GF ZMH DNF GR! 5DF~FP\_&qv EZ5F. SZL GMBL; MD/J, KP

VZHNfZ[ p5ZMST VF. POLPGR#5)v#&\_4 TFP! ! q\_\*qZ\_! \$GL VZHL ; NE" TFP\_ \$q! \_qZ\_! \$GF  
ZMH IJ, IAT V5L, SZJFDFVFEJ, KP VFP8LPVF. PSFI NFGL S, Dv! )s! f D]HA IJ, IAT V5L, VU[jI FHAL SFZ6M  
ZH]SZJFGF ZC[KP ti FZ AFN jI FHAL SFZ6Mwi FG[, . V5L, VZHL UFCI ZFBJL S[G ZFBJL T[VU[IG6" SZJFGMZC[  
KP VZHNfZ[TPDGL IJ, IAT V5L, MVJF SM. SFZ6MZH]SZ, GYLP TD KTFVFP8LPVF. PSFI NFGL 5FZNxSTF VG[C]TG[  
UFCI ZFBL V5L, UFCI ZFBJDFVFEJ, KP VZHNfZ[V5L, DAFDFICTLGF TFP\_5q\_ (qZ\_! \$GF ZMH VF5JFDFVFEJ,  
. g:5\$XG AFAT[ EZ, F GF6FGM SM. HJFA D/, GYL T[AFAT[V5L, G]SFZ6 H6FJ, KP H[ VU[ZFNZ hMG TZOYL  
VZHNfZG[ 5+ GR Jf:8hMGqVFP8LPVF. P; [ q! \_\_\_( VG[! \_\_\_) VGSD[ VF. POLPGR#5)v#&\_4 TFP! ! q\_\*qZ\_! \$  
AFAT[ ~FP! &qv EZ5F. SZL DFICTL D/JL XSX[TJF 5+ 5F9JJFDFVFEJ, KP H[ VZHNfZ[ VF. POLGR#5)v#&\_4  
TFP\_5q\_! qZ\_! 5GF ZMH EZ5F. SZL DFICTL D/J, KP VFYL VZHNfZGL V5L, AFAT[CJ[SM. IJJFN ZC[TM G CMI  
V5L, VZHL NOTZ[SZJFDFVFEJ]KP



C]SD

VZHNFZGL TFP\_\*q! ! qZ\_! \$4VF. POLPGR#5) v#&\_ AFAT[SZJFDF\VFJ, VZHL 5\$ . d5\$8 AFAT[  
DFICTL G D?I FGL VZHNFZGL V5L, wI FG[, . VZHNFZG(TFPZ)q\_)qZ\_! \$GF ZMH 5+ 5F9JJFDF\VFJ, P HGF ; NE"  
VZHNFZG(TFP\_5q\_! qZ\_! 5GF ZMH GF6\AEZL DFICTL D/J, CMI V5L, VU(SM. IJJFN ZC(TM G CMI V5L, VZHL  
NOTZ[SZJFDF\VFJ]Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s0LPVDPHZLJF, ff  
V5, B VF]0; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFG4

s! fHFCZ DFICTL VIWSFZL VG(0%l B]L . HGZ4JLPVPDINLs5IzD hMGfPPPPPHF6 TYF VD, DF8P

sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG(H]GL . HGZs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P

s#f HFCZ DFICTL VIWSFZL VG(VFSFZ6L VG(J; ], FT VIWSFZL s5IzD hMGvZFNZfVFSFZ6L BFTPPPHF6 DF8P

s\$FVF; LP GFQ, VF]0; Z VG(VFZP8LPVF. P; ], 5]TPPPPPPHF6 DF8P

s5f zL I5S, 5P], RN=3LJF/f4 T]VMGL V5L, VZHL VU]p5ZGL IJUT[GAC]SD wJFZF SZJFDF\VFJ, IGSF, ; AA HF6 ; F~P

OLPVDPHZLJF, F  
V[5[, B VMOL; Z VG[  
SFI "5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gl ] ZFNZ ZMO4; ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>P</sup>SMC/WZ/FAP/GP! ! ZqZ\_! \$  
TFP! \$v! \_vZ\_! \$

VZHNfZ ov zL ZDX SP HFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ VM, 0%l }BL . HGZsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov . d5ß8GF SFI NF C9/ VFJ, VZHLVM; FD[ID<STG[IGI DLT SZJFGM. gSFZ SZTF  
CSD 5+ GDGFvcKc AFATP

; NE" ovV+GL VZHNfZGL TFP! \$q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! ! ZqZ\_! \$P

p5ZfST IJOFI VG[ ; NE" AFAT[ H6FJJFG} S[ VZHNfZGL TFP\_#q\_)qZ\_! \$GL VZHLYL ; FT[  
hMGDA VF5JFDF VFJ, GMBLXM GDGFvcKcGL GS, M IJUJ[ AFAT[ DNf GR! YL #GL DFICTL DFUTL VZHL HFCZ  
DFICTL VIWSFZL Dwl :Y SRZL4 ; ZT DCFGUZ5FI, SFG[SZJFDF VFJ, P H[0%l }BL . HGZ VG[ HFCZ DFICTL VIWSFZL  
; }8= hMG TZOYL 5+ GR; PhMGqVFZ8LVF. qHFJSq! \*\*54 TFP\_&q\_)q! \$YL ; ZT DCFGUZ5FI, SFG TDFD hMG  
TYF GFIA XCZ IJSF; VIWSFZL Dwl :Y XCZ IJSF; IJEFUG[ IGI T ; DI VJIWDF TANL, SZJFDF VFJ, P  
VFZP8LPVF. PSFI NFGL S, Dv&s#f DJHA TANL, Y. VZHIG[INGv5DFDFICTL 5ZL 5FOJF DF8JWFZFGM; DI D/  
KP VFYL DFICTL INGv#5DF 5ZL 5FOJFGL ZCP HGF VG; WFG[ HFCZ DFICTL VIWSFZLV[ 5+ GR J: 8hMGq  
VFZP8LPVF. P; q! \_&\$4 TFP\_(q! \_q! \$GF 5+YL DFICTL 5ZL 5FOJF TYF GS, M VU[GF6AEZJFGM 5: TFJ HFCZ  
DFICTL VIWSFZL TZOYL SZJFDF VFJ, KP

VZHNfZ[HFCZ DFICTL VIWSFZLV[IGI T ; DI DIFNF AFN DFICTLGL GS, M 5B[YTL ZSD EZJF VU[  
HFCZ DFICTL VIWSFZLV[ 5+ 5F9J, CMI IJGFDkI 5ZL 5FOJF ZHMFT SZ, KP VZHNfZGL ZHMFT wIFG[, [TF  
HFCZ DFICTL VIWSFZLV[SZ, 5: TFJ ; DI VJIW AFATGM CMI VZHNfZGL V5L, G; DYG D/[KP H[SFI NF ; FY  
; ; UT KP VFYL VZHNfZG[VZFP8LPVF. PSFI NFGL S, Dv\*s&f C9/ ; NZ DFICTL IJGFDkI 5ZL 5FOJFGL ZCP

CSD

VZHNfZ[ TFP\_#q\_)q! \$GL VZHLYL DFUJFDF VFJ, DFICTL 5SL V+GF SFI "f+ C9/ HFCZ  
DFICTL VIWSFZLV[SZ, 5: TFJ VG; FZ DJHAGL DFICTL IGI T ; DI VJIW AFN SZ, CMI VFZP8LPVF. PSFI NFGL  
S, Dv\*s&f C9/ INGv\*DF VZHNfZG[ IJGFDkI 5ZL 5FOJF 0%l }BL . HGZ VG[ HFCZ DFICTL VIWSFZLG[ ZFNZ  
hMGG[H6FJJFDF VFJ]KP

VZHNfZG[IGI T ; DI VJIWDF DFICTL 5ZL 5FOJFDF VFJ] TM 0%l }BL . HGZ VG[ HFCZ DFICTL  
VIWSFZLG[TSNFZL ZFBJF H6FJJFDF VFJ]KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, Ff  
V[5[, B VFH0; Z VG[  
SFI "5F, S . HGZ s5lzd hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJFGf  
s! fHFCZ DFICTL VIWSFZL VG[VM, 0%l }BL . HGZs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; IP. HGZzl VG[HGL . HGZs5lzd hMGvZFNZFXCZ IJSF; IJEFUPPPPHF6 TYF VD, DF8[  
s#fVF; IP GF, VFH0; Z VG[VZFP8LPVF. P; q! 5]TPPPPPPHF6 DF8P  
s\$F zL ZDX SPHFULO4 TMGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZ SZJFDF VFJ, IGSE, ; AA HF6 ; F-P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[JJ; ZM04 TFOJF0L4  
gl ]ZFNZ ZM04; [Z v #)5 \_\_\_)P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP</sup>/GP! ! #qZ\_! \$  
TFP! \$v! \_vZ\_! \$

VZHNfZ ov zL DCgN+; 'C VP A|CDE8'

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ GFI A VFZMuI VIWSFZLsJ[: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov VDIM[dI PSIDxGZzLG[; AMWL T[VM; D1F TFP#! q\_5qZ\_! \$ YL XCZEZGL RFZ[TZO  
UZSFI N[Bfn5NFY"JRF6 SZTL ; \YFVMIJ~wW SFI "JFCL SZJF TYF Vgl DNF GR! YL  
\$ AFATP

; NE"ovV+GL VZHNfZGL TFP! \$q! \_qZ\_! \$ GL <sup>SMC/WZ/FAP</sup>/GR! ! #qZ\_! \$P

p5ZF\$T IJQFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZGL TFP\_Zq\_)qZ\_! \$GL VZHLYL TDGL  
TFP#! q\_5q! \$4 TFP! )q\_\*q! \$4 TFP! ! q(q! \$4 TFP! Zq\_(q! \$GF ZMH dI PSIDxGZzLG[SZ[, VZHL AFAT[DNF GR!  
YL \$ 5\$! DNF GR! DfA5BF DNF ! YL 5 GL DFICTL DFUTL VZHL dI ]GPSIDxGZzLG[; AMWTL Dwl :Y SRZL BFT[  
SZJFDA VFJ[, P H[ 5YD z6L S, FS" VG[ HFCZ DFICTL VIWSFZL Dwl :Y SRZL wJZF 5+ GR; lqZ\_\*\$4  
TFP\_#q\_)q! \$ YL IGI T ; DI VJIWDA HFCZ DFICTL VIWSFZL VG[0%I B[ . HGZ TDFD hMGG[TANL, SZJFDA  
VFJ[, P HGF VG[ WFG[ GFI A VFZMuI VIWSFZL VG[ HFCZ DFICTL VIWSFZL J[:8hMG TZOYL 5+ GR J[:8hMGq  
VFZP8LPVF. P; [ q! \_#Z4 TFP\_! q! \_q! \$ YL IGI T ; DI VJIWDA VZHNfZG[DFICTL 5ZL 5F0JFDA VFJ[, K[

VZHNfZ[ TFP! #q! \_q! \$GF ZMH IGI T ; DI AFN DFICTL 5ZL 5F0[, GYL VG[ . ZFN5JJS DFICTL  
K[5FjI F CMUFGZ ZH\FT SZ[, K[TYF GIC 5ZL 5F0[, DFICTL S, Dv\*s&f C9/ 5ZL 5F0JF TPDH DFICTL K[5FJGFZ  
HFCZ DFICTL VIWSFZL IJ~wW SFI "JFCL SZJFGL NFN DFUJFDA VFJ[, K[ HFCZ DFICTL VIWSFZL TZOYL VZHNfZG[  
IGI T ; DI VJIWDA DFICTL 5ZL 5F0JFDA VFJ[, K[ VZHNfZ[GIC DFICTL 5ZL 5F0[, AFAT[V5L, TASS[SM.  
IJUTJFZ ZH\FT SZ[, GYL TPDH VZHNfZGL DJ/ VZHLDf; FDFgl ZLT[ Bfn 5NFYMGZ TPDH RMDf; FDA YTL  
RSF; 6LGL IJUTM DFUJFDA VFJ[, K[TpL DFICTL HFCZ DFICTL VIWSFZL TZOYL ~8LG SFDULZL YTL CMI K[H[  
H6FJ[, K[ V5L, TASS[HFCZ DFICTL VIWSFZL 5F; [Y V5L, ; NE"IJUTM DFUTF T[VM TZOYL DNF GRZ AFAT[  
HFCZ DFICTL VIWSFZLGF . PRFPOMS8Z ; HI NF; GFI A VFZMuI VIWSFZL VG[Op ; p8L VMO; Z JLPVFZPA|CDE8'  
VZHNfZ[DNF GRZDA SDRFZLGF CMNFGZ GFDGL DFICTL DFUJ, T[56 H6FJ[, K[TPDH DCZAFG SIDxGZzLGF VFNX  
p5, L VIWSFZLGF J[:8hMG VFZMuI IJEFU JMOGF ; [5ZJF. hZzLGF :8F0 wJZF IJIJW Z\$0" HJF S[! fBF6L5L6LGL  
, FZL qCMB, qZ[:8MZg8 R\$LU :SMD sZf TDFS] hJAX :SMD s#f%, F:8LS hJAX :SMD s\$f0:8ALG hJAX IJUJ[VJFZGJFZ  
D/[ ; [RG DJHA SZJFDA VFJ[, K[TPDH ~8LG OZHDA 56 JMO" wJZF IGI IDT R\$LU CFY WZL BFDL H6FI FYL  
JCLJ8L BR"J; ], SZJFDA VFJ[K[ TpL 5]TTF V5L, TASS[SZJFDA VFJ[K[

VFD VZHNfZG[V+GF hMG SFI "H+ C9/ , UTL NOTZL VG[CSLST, 1FL DFICTL VZHNfZG[ 5ZL  
5F0JFDA VFJ[, K[

CSD

VZHNFZGL TFP\_Zq\_)q! \$GL VZHLYL DFUJFDF\VFJ[, DFICTL 5SL V+GF SFI \*F+ C9/ VFJTL  
DFICTL HFCZ DFICTL VIWSFZL TZOYL VZHNFZG[IGI T ; DI VJIWDF\ VZHNFZG[5ZL 5F0JFDF\VFJ[, KP VFYL  
V5L, VU[SM. IJXDF SFI "JFCL SZJFGL ZC[TL G CMI V5L, VZHL NOTZ[SZJFDF\VFJ[KP

VZHNFZ[ HFCZ DFICTL VIWSFZL IJ~wW SFI "JFCL SZJFGL ; tTF VFZP8LPVF. PV\$8GL S, DvZ\_  
C9/ ZFHI DFICTL VFI MUG[ CMI H[VU[GL SZ[, CSD SZJFGM ZC[TM GYLP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! &P

sOLPVDPHZLJF, ff  
V5[, B VF[O; Z VG[  
SFI '5F, S. HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4  
s! f HFCZ DFICTL VIWSFZL VG[GFI A VFZMUI VIWSFZIs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZF VF; LP GFD, VF[O; Z VG[VFZP8LPVF. P; [, 5]TTPPPPPPHF6 DF8P  
s#f zL DCqN#: C VP A[CDE84 T[MGL V5L, VZHL VU[p5ZGL IJUT[GfCSD wJFZF SZJFDF\VFJ[, IGSE, ; AA HF6 ; F-P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; [ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[IZ; ZM04 TFOJFOL4  
gl | ZFNZ ZM04; [Z v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP/GR</sup>! ! \$qZ\_! \$  
TFP! 5v! \_vZ\_! \$

VZHNfZ ov zL H; JTI; C VP A|CDE8'

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[OP. HGZsJLPV|PDMNLFsXCZ IJSF; f VG[  
HFCZ DFICTL VIWSFZL VG[5; MG[, VMIO; ZsJ; 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov VDIM[TFP\_ \$q\_ &qZ\_! \$ GF ZMH dI PSIDxGZ TYF JLHL, [; V[0 . g; 5\$; G  
VMO; ZGFVMG[; AMWLG[; PDPGP5FI, SFGF 5I`RD hMG VHZFDZ RMS; S,  
ALPV; PV|GPV[, 4SRZL; FD[Y. ZC[, AFWSFDGL DFICTLGF D]NF GR! VG[Z AFATP

; NE" ov V+GL VZHNfZGL TFP! 5q! \_qZ\_! \$ GL <sup>SMC/WZ/FAP/GR</sup>! ! \$qZ\_! \$P

p5ZFST IJOFI VG[; NE" AFAT[ H6FJJFG] S[ VZHNfZGL TFP\_ \$q\_) qZ\_! \$GL VZHLYL TMM  
TFP\_ \$q\_ &q! \$GF ZMH SZ[, VZHL AFATGL SFI "JFCL; NE" D]NF GR! YL Z DFICTL DFUTL VZHL dI PSIDxGZ zLGL  
; AMWTL VZHL Dwl :Y SRZL BFT[ TFP\_ \$q\_) q! \$GF ZMH SZJFDF VEFJ, P HGF VG[; WFG[ 5YD z[6L S, FS" VG[  
HFCZ DFICTL VIWSFZL Dwl :Y SRZL wJFZF GR; lqZ! \_&4 TFP\_ 5q\_) q! \$YL IGI T; DI VJIWDF\ 0%| [BL . HGZ VG[  
HFCZ DFICTL VIWSFZL ZFNZ hMGG[ TANL, SZJFDF VEFJ, P HGF VG[; WFG[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR  
J; 8hMGq VFZP8LPVF. P; [ q! \_! (4 TFP#\_q\_) q! \$ YL IGI T; DI VJIWDF\ DFICTL 5ZL 5FOL GS, M D/JJFGM  
5]; TFJ SZ[, KP HGF; NE" VZHNfZ[ TFP! #q! \_q! \$GF ZMH GF6F EZL GS, GUv# D/J[, K[ TPDH 5+ GR  
J; 8hMGq VFZP8LPVF. P; [ q! Z\$ (4 TFP! Zq! ! q! \$ YL 56 DCSD; NEGL DFICTL 5ZL 5F0JFDF VEFJ, KP

VZHNfZGL TFP! 5q! \_q! \$GF ZMH SFI NFGL; DI DI FNDF\ SM. 5+ 5F9J[, GYL VG[ ~FP&qv EZL  
DFICTL D/JJF H6FJ[, K[ VG[ VDFZL U[ VZHL AFAT[ SM. 5[ I [Z 5F9J[, GYL VG[ VDFZL VZHL Dwl :Y XCZ  
IJSF; G[ TANL, YI[, GYLP H[YL VDG[ :508 DFICTL D/[ GYL T[UL ZH]VFT SZ[, KP H[ AFAT[ H6FJJFG] S[  
VZHNfZGL D/[ VZHL TFP\_ \$q\_) q! \$GF ZMH 0%| [BL . HGZ ZFNZ hMGG[ SZ[, K[ VG[ H[ Dwl :Y SRZL wJFZF  
TFP\_ 5q\_) q! \$GF ZMH TANL, YI[, KP V[8, [S[ IGI T; DI VJIWDF\ V\$ H INJ; DFATANL, YI[, K[ VFYL TANL,  
VUJGL ZH]VFT 8SL XS[ TPD GYLP JWJDF VZHNfZ[ SFI NFGL; DI DI FNDF\ SM. 5[ I [Z 5F9J[, GYLP HGF; NE"  
H6FJJFG] S[ VZHNfZG[ 5+ GRJ; 8hMGq VFZP8LPVF. P; [ q! \_! (4 TFP#\_q\_) q! \$YL IGI T; DI VJIWDF\ DFICTL  
5ZL 5FOL GF6F EZJFGM 5]; TFJ SZ[, K[ VG[ H[ VU[ VZHNfZ[ GF6F EZL DFICTLGL GS, 56 D/J[, KP VFYL  
V5L, DF\ SFI NFGL; DI DI FNDF\ SM. 5[ I [Z 5F9J[, GYL T[ AFATG[; DYG D/T] GYLP VZHNfZGL Dwl :Y XCZ  
IJSF; G[ TANL, L AFATGL ZH]VFT; NE" H6FJJFG] S[; NZ VZHLDF\ Dwl :Y XCZ IJSF; GM 5] G ZC[, M GYLP VFYL  
VZHNfZGL ZH]VFTG[ 56; DYG D/T] GYLP VFYL VZHNfZGL V5L, AFAT[ ~FP&qv GM GF6F 5ZT VF5JFGL  
ZH]VFT SZ[, KP H[ VU[ VZHNfZ[ ~FP&qv EZ5F. SZL TFP! \$q! \_q! \$GF ZMH GS, D/J[, KP VFYL; NZC] D]NM  
56 V5L, TASS[8SL XS[ TPD GYLP VFD VZHNfZGL V5L, DF\ ZH] SZ[, NFJF VU[ SM. G[ 56; DYG D/T] GYLP T[YL  
V5L, AFAT[ SM. IJXDF SFI "JFCL SZJFGL ZC[TL G CMI V5L, VZHL NOTZ[ SZJFDF VEFJ] KP

CSD

VZHNfZGL TFP\_\$q\_)q! \$GL VZHLYL DFUJFDfVfJl, DFICTL HfCZ DFICTL VIWSFZL TZOYL 5ZL  
5F0JFDfVfJl, CMI V5L, VZHL VU[SM. IJXQf SFI "JfCL SZJfGL ZC[TL GYL VG[V5L, VZHL NOTZ[SZJFDf  
VfJlKp

GRJ: 8 hMGqVfZP8LPVf. PqGR  
TFZLBov v vZ\_! 5P

sOLPVDPHZLJf, ff  
V5l, B VfQ; Z VG[  
SFI '5f, S. HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJfGf4  
s! fHfCZ DFICTL VIWSFZL VG[Q%l Bl. HGZvJLPVpDMNls5IzD hMGfPPPPPHf6 TYf VD, DF8P  
SZf DNNGlX HfCZ DFICTL VIWSFZL Vf; lP. HGZzL VG[H]GL. HGZs5IzD hMGvZFNZfXCZ lJSf; lJEFUPPPPHf6 TYf VD, DF8[  
s#f HfCZ DFICTL VIWSFZL VG[5; MG[ VM0; Z sDCSDf s5IzD hMGfPPPPPHf6 TYf VD, DF8P  
s\$fvf; lP GfD, VfQ; Z VG[VfZP8LPVf. P; j 5lTPPPPPPHf6 DF8P  
s5f zL H; JTI; C Vp AÇDE84 TMlGL V5L, VZHL VU[p5ZGL lJUTGfCSD wJfZf SZJFDfVfJl, lGSf, ; AA Hf6 ; f~P

OLPVDPHZLJF, F  
V5[, B VMOL; Z VG[  
SFI 5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5IüD hMG sZFNZf  
OFPAF, F; FCJA NÜZ; ZMO4 TFOJFOL4  
gl ] ZFNZ ZMO4; ZT v #) 5 \_\_\_) P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GR! ! 5qZ\_! \$  
TFP! &v! \_vZ\_! \$

VZHNfZ ov zL J; FJF SFNTEF. SZ; GEF.

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[GFI A VFZMuI VIWSFZLSJ]; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov Jf: 8hMGDFOMZ 8)OMZ UFOL SRZM , JF VFJ[K[T]SIF SIF . HFZNFZG[S. S. ; F, DA  
8hOZ 5F; SZJFDF VFJ I F CTF TGf DFICTLGF DNF GR! YL # AFATP

; NE" ov V+GL VZHNfZGL TFP! &q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! ! 5qZ\_! \$P

p5ZFST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP! 5q\_)qZ\_! \$GL VZHLYL Jf: 8hMGDF  
OMZ 8)OMZ SRZM , JF AFAT[Smg8fS8 AFAT[DNF GR! YL # DFICTL DFUJFDF VFJ, KP H[ DFICTL DFUTL VZHL  
VZHNfZ[ ZFNZ hMG BFT[ SZJFDF VFJ, P H[ ZFNZ hMG TZOYL 5+ GR Jf: 8hMGq VFZP8LPVF. P; [ q) &Z4  
TFPZZq\_)q! \$ YL DNF GR! AFAT[; M, LO Jf: 8 DGHd84 ; ZT DCFGUZ5FI, SFG[TANL, SZJFDF VFJ, K[T]PH  
V+GF IJEFUG[: 5X<sup>T</sup>L DFICTL 5+ GR Jf: 8hMGq VFZP8LPVF. P; [ q! ! \_\_\_4 TFP! #q! \_q! \$YL IGI T ; DI VJIWDF  
VZHNfZG[DFICTL 5ZL 5FOJFDF VFJ, KP

VZHNfZ[ TFP! &q! \_q! \$GF ZMH IGI T ; DI DA DFICTL 5ZL 5FOJFDF VFJ, GYLP TYL DFICTL  
IJGFDkI 5ZL 5FOJF VG[ IX1ff+DS SFI JFCL SZJF ZHMFT SZJFDF VFJ, KP H[ VU[ H6FJJFG]S[VZHNfZG[  
TFP! #q! \_q! \$GF ZMH DFICTL 5ZL 5FO, K[ VG[VZHNfZ[ TFP! &q! \_q! \$GF ZMH V5L, SZ, KP VFYL DFICTL  
85F, wJZF D/JJFDF S; YI, H6FI K[T]D KTF VZHNfZG[DFICTL G D/L CMI TM 5Go GS, 5ZL 5FOLVP  
VZHNfZG[DFICTL 5Go 5ZL 5FO, CMI V5L, VZHL VU[H6FJ, IJUT VU[TGM 5IF ZC[TM GYLP

CJSD

VZHNfZGL TFP! 5q! \_q! \$YL VZHLYL DFUJFDF VFJ, DFICTL 5SL V+GF SFI 1ff+G[, UTL DFICTL  
HFCZ DFICTL VIWSFZLV[IGI T ; DI VJIWDF 5ZL 5FO, KP 5ZT[VZHNfZGL VHMFTG[wI FG[, . DFICTLGL GS,  
G D?IFG\ H6FJ, KP TM ; NZC] DFICTLGL GS, 5Go VZHNfZG[ 5ZL 5FOJF GFI A VFZMuI VIWSFZL VG[ HFCZ  
DFICTL VIWSFZG[H6FJJFDF VFJ]KP

GRJf: 8 hMGq VFZP8LPVF. PqGR  
TFZLBo v vZ\_! 5P

sOLPVDPHZLJF, Ff  
V5[, B VFQO; Z VG[  
SFI 5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! f HFCZ DFICTL VIWSFZL VG[GFI A VFZMuI VIWSFZLSIzD hMGfPPPPPHF6 TYF VD, DF8P

sZF VF; IP GF, VFQO; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P

s#f zL SFNTEF. SZ; GEF. J; FJF4 T[M]GL V5L, VZHL VU[p5ZGL IJUT]GACSD wJZF SZJFDF VFJ, IGSF, ; AA HF6 ; F~P

OLPVDPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NÜJZ; ZMO4 TFOJFOLA gl ] ZFNZ ZMO4; ZT v #) 5 ___) P OMGo_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL GPCSMC/WZ/FAP/GP! ! &qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNZ ov zL 5SHEF. 5F8L, sD]bl ; VFNs DFIF 8F. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF[WZLSXCZ IJSF; fsJ]; 8 hMGf  
 OZLI FNGL CSLST ov

IJOFI ov UFOG jI j V[5F8Dh84, F, AFU UFOGGL ; FDAD, B . GFJT :8vZFNZ ; ZT BFT[YI],  
 AFWSFD VUJL DFICTL DFUTL VZHLGF DNf GR ! YL Z\_ AFATP

; NE"ov V+GL VZHNZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! ! &qZ\_! \$P

p5ZFST IJOFI VG[ ; NE" AFAT[H6FJJFG]S[ VZHNZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG[0%l ]BL . HGZ4 J]; 8hMG TZOYL VZHNZGL VZHLDA DNf GR! YL Z\_GL DFICTL DFUTL VZHL ; NE[HFCZ  
 DFICTL VIWSFZLV[ 5+ GRJ]; 8hMGqVFZP8LPVF. P; [, q! ! ! Z4 TFP! \$q! \_qZ\_! \$ YL VZHNZG[ IGI T ; DI VJIWDA  
 5tI]; Z 5F9JJFDFVFEJ, KP 5ZT] VZHNZ[INGv#\_DA SM. 5]TEFJ D/, GYL T]H6FJL TFP! \*q! \_qZ\_! \$GF ZMH  
 5YD V5L, VZHL SZJFDFVFEJ, KP

VZHNZGL VZHL wI FG[ , [TF VZHNZ[ DFICTL D/, GYL HFCZ DFICTL VIWSFZLV[ VZHNZG[VF5],  
 DFICTLDA ZFHI ; ZSFZGF 5IZ5+T GR! qZ\_qZ\_)qVF. P GM p<, B SZ, KP HDA VZHNZ[DFU], DFICTL DFICTLGL  
 jI fbl FDFVFEJTL GYIP ; NZ 5IZ5+DA GMBL; IJEFUGL DFICTL AFATGM KP HDA S, D (s! f I; JFI GMBL; IJEFU  
 DFICTL 56 5ZL 5FOJFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZ, K[T]H6FJ, KP VFYL VZHNZG[HFCZ  
 DFICTL VIWSFZLV[H[5IZ5+GM VY'38G SZ, K[T]SFI NF ; FY[ ; ] UT GYL T]H HFCZ DFICTL VIWSFZLV[S, D ZF  
 AFAT[56 SZ, VY'38G BMB]KP S, D ZF V[B, [S[HFCZ DFICTL VIWSFZL 5F; [p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNZG[DFICTL 5ZL 5OFI], H6FTL GYIP JWDFDFICTL +FCLT 51FSFZG[, UTL CM T]F IG6" VU[56 HFCZ DFICTL  
 VIWSFZL SFZF +FCLT 51FSFZG[, ]BLT GMBL; AHFJ, CIJFGL IJUT 56 H6FTL GYL VG[DFICTL VF5JL S[SD T[VU]  
 5ZTM 5]F; SZ, CM T]D H6FT]GYIP

C]SD

VZHNZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNZG[GIC 5ZL 5OFI], DFICTL VU[VFZP8LPVF. PV\$8  
 VgJl [IG6" , [TF 5] +FCLT 51FSFZG[ZH]VET VY[AM, FJL ti FZ AFN DFICTL VF5JL S[SDm T[VU]GM IG6" , ]FGM  
 ZCXP VFYL T[D]HAGL SFI "JFCL SZJF 0%l ]BL . HGZ VG[HFCZ DFICTL VIWSFZLG[H6FJJFDFVFEJ]KP

GRJ]; 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPDPHZLJF, ff  
 V[5[, B VF]0; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF[WZLS5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[H]GL . HGZzLS5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; LP GF, VF]0; Z VG[VFZP8LPVF. P; [, 5]TPPPPPPHF6 DF8P  
 s\$f zL 5SHEF. 5F8L, T]MGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJFZ SZJFDFVFEJ, IGSF, ; AA HF6 ; F~P



OLPVDPHZLJF, F  
V5[, B VMOL; Z VG[  
SFI "5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPCMC/WZ/FAP/GP! ! \*qZ\_! \$  
TFP! \*v! \_vZ\_! \$

VZHNZ ov zL 5SHEF. 5F8L, sD)l ; VFN S DF I F 8F. d; f

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLsXCZ IJSF; fsJl; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov %, MB GR) q&& Zl FG 5[, ; 4 AMZJFOF SMhJl5F; VZFNZ ; ZT BFT[YI l, AFWSFD  
VUJGL DFICTL DFUTL VZHLGF DNf GR! YL Z\_ AFATP

; NE"ov V+GL VZHNZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GP! ! \*qZ\_! \$P

p5ZFST IJQFI VG; NE"AFAT[H6FJJFG)S[VZHNZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
VIWSFZL VG[0%l ]BL . HGZ4 Jf; 8hMG TZOYL VZHNZGL VZHLDf DNf GR! YL Z\_GL DFICTL DFUTL VZHL ; NE]  
HFCZ DFICTL VIWSFZLV[ 5+ GRJf; 8hMGqVfZP8LPVF. P; ; q! ! \*\_4 TFP! \$q! \_qZ\_! \$ YL VZHNZG[IGIT ; DI  
VJIWDA 5t)l; Z 5F9JJFDF VEFJ, KP 5ZT] VZHNZ[ INGv#\_DA SM. 5]TEFJ D/; GYL T]H H6FJL  
TFP! \*q! \_qZ\_! \$GF ZMH 5YD V5L, VZHL SZJFDF VEFJ, KP

VZHNZGL VZHL w)FG[ , [TF VZHNZ[ DFICTL D/; GYL HFCZ DFICTL VIWSFZLV[ VZHNZG[  
VF5[, DFICTLDAZFHI ; ZSFZGF 5IZ5+T GR! qZ\_qZ\_)qVf. P GM p<, B SZl, KP HDA VZHNZ[DFUJ, DFICTL  
DFICTLGL j)fb)FDF VEFJTL GYLP ; NZ 5IZ5+DA GMBL; IJEFUGL DFICTL AFATGM KP HDA S, D (s! f l; JFI  
GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZl, K[T]H6FJl, KP VFYL VZHNZG[HFCZ  
DFICTL VIWSFZLV[H[ 5IZ5+GM VY'38G SZl, K[T]SFI NF ; FY[ ; ] UT GYL T]H HFCZ DFICTL VIWSFZLV[S, D ZF  
AFAT[56 SZl, VY'38G BMB)KP S, D ZF V]B, [S]HFCZ DFICTL VIWSFZL 5F; [p5, aW DFICTLGM; DFJX YFI KP VFYL  
VZHNZG[DFICTL 5ZL 5OFI l, H6FTL GYLP JWDFDFICTL +FCLT 51FSFZG[, UTL CMI T]F IG6" VU[56 HFCZ DFICTL  
VIWSFZL \$ZF +FCLT 51FSFZG[, ]BLT GMBL; AHFJl, CIJFGL IJUT 56 H6FTL GYL VG[DFICTL VF5JL S[SD T[VU]  
5ZTM 5]F; SZl, CMI T]D H6FT]GYLP

C]SD

VZHNZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNZG[GIC 5ZL 5OFI l, DFICTL VU[VfZP8LPVF. PV]8  
VgJl [IG6" , [TF 5]l +FCLT 51FSFZG[ZH]VFT VY[AM, FJL t)FZ AFN DFICTL VF5JL S[SDm T[VU]GM IG6" , ]FGM  
ZC]P VFYL T[D]HAGL SFI "JFCL SZJF 0%l ]BL . HGZ VG[HFCZ DFICTL VIWSFZLG[H6FJJFDF VEFJ]KP

GRJf; 8 hMGqVfZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, Ff  
V5[, B V]l0; Z VG[  
SFI "5F, S . HGZ s5lzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! fHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLs5lzD hMGfPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG[H]GL . HGZzls5lzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
DF8P

s#fVF; LP GFQ, V]l0; Z VG[VfZP8LPVF. P; ; 5]TPPPPPHF6 DF8P

s\$F zL 5SHEF. 5F8L, T]MGL V5L, VZHL VU[p5ZGL IJUT]GFC]SD wJZF SZJFDF VEFJ, IGSF, ; AA HF6 ; f~P

OLPV DPHZLJF, F V 5 ,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5IüD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 g   ZFN Z ZM04;  ZT v #) 5 ___)P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G|SMC/WZ/FAP/GR! ! (qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNfZ ov zL 5SHEF. 5F8L, sD|bl ; |5FNS DF| F 8F. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ40LPJLPRF|WZLsXCZ| IJSF; fsJ|:8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov %, |B GR\$qZZ V|AL ; AF S|d%, |f4TFI JFO|:8|8vZFNZ ; |ZT BFT|Y| |, AFWSFD  
 VU|GL DFICTL DFUTL VZHLGF DNf GR! YL Z\_ AFATP  
 ; NE"ov V+|GL VZHNfZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! ! (qZ\_! \$P

p5Zf\$T IJQFI VG|; NE"AFAT|H6FJJFG|S|VZHNfZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG|0%| |BL . HGZ4 J|:8hMG TZOYL VZHNfZGL VZHLDF|DNf GR! YL Z\_ GL DFICTL DFUTL VZHL ; NE|  
 HFCZ DFICTL VIWSFZLV| 5+ GRJ|:8hMGqVFZP8LPVF. P; |, q! ! ! 54 TFP! \$q! \_qZ\_! \$ YL VZHNfZG|IGIT ; DI  
 VJIWDF 5|t| |Z 5F9JJFDF V|FJ|, KP 5ZT| VZHNfZ| INGv#\_DF SM. 5|TEFJ D|/, GYL T|J| H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5|YD V5L, VZHL SZJFDFV|FJ|, KP

VZHNfZGL VZHL w|FG| , |TF VZHNfZ| DFICTL D|/, GYL HFCZ DFICTL VIWSFZLV| VZHNfZG|  
 VF5|, DFICTLDF|ZFH| ; ZSFZGF 5IZ5|+T GR! qZ\_qZ\_)qVF. P GM p<, |B SZ|, KP H|DF|VZHNfZ|DFU|, DFICTL  
 DFICTLGL j|fbl FDF V|FJTL GYLP ; NZ 5IZ5+DF|GM|BL; IJEFUGL DFICTL AFAT|GM KP H|DF|S, D (s! f |; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJ|X YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJ|X SZ|, K|T|J|H6FJ|, KP VFYL VZHNfZG|HFCZ  
 DFICTL VIWSFZLV|H| 5IZ5+GM VY'38G SZ|, K|T|SFI NF ; FY|; |; UT GYL T|PH HFCZ DFICTL VIWSFZLV|S, D ZF  
 AFAT|56 SZ|, VY'38G B|B|KP S, D ZF V|B, |S|HFCZ DFICTL VIWSFZL 5F; |p5, aW DFICTLGM; DFJ|X YFI KP VFYL  
 VZHNfZG|DFICTL 5ZL 5OF| |, H6FTL GYLP JWDF|DFICTL +FCLT 51FSFZG|, UTL CMI T|J|IG6" VU|56 HFCZ DFICTL  
 VIWSFZL \$FZF +FCLT 51FSFZG|, |BLT GMBL; AHFJ|, C|UJFGL IJUT 56 H6FTL GYL VG|DFICTL VF5JL S|SD T|VU|  
 5ZTM 5| |F; SZ|, CMI T|D H6FT|GYLP

C|SD

VZHNfZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNfZG|GIC 5ZL 5OF| |, DFICTL VU|VFZP8LPVF. PV\$8  
 VgJ| |IG6" , |TF 5|J| +FCLT 51FSFZG|ZH|VFT VY|AM, FJL t|fZ AFN DFICTL VF5JL S|SDm T|VU|GM IG6" , |JFGM  
 ZC|X| VFYL T|D|HAGL SFI |FCL SZJF 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZLG|H6FJJFDFV|FJ|KP

GRJ|:8 hMGqVFZP8LPVF. PqGR  
 TFZLBoV v vZ\_! \$P

sOLPV|DPHZLJF, FF  
 V|5|, |B V|f|0; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFN|Zf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJFGF4  
 s! fHFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ40LPJLPRF|WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; |P. HGZzL VG|HGL . HGZzLs5IzD hMGvZFN|ZfXCZ| IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; |P GFD, V|f|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$F zL 5SHEF. 5F8L, T|MGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZF SZJFDFV|FJ|, IGsf, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4 gl ] ZFNZ ZMO4; ZT v #) 5 ___) P OMGo_Z&! vZ* (&! (! v(Zv(#
--	---	--

V5L, VZHL GP\$SMC/WZ/FAP/GR! ! ) qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNZ ov zL 5SHEF. 5F8L, sD]bl ; VFNs DFf F 8f. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLsXCZ IJSF; fsJl; 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov %, MB GR) q) ! 4) Z AMZJF/F :8E8vZFNZ ; ZT BFT|YI |, AFWSFD VUJGL DFICTL  
 DFUTL VZHLGF DNF GR ! YL Z\_ AFATP  
 ; NE"ov V+GL VZHNZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! ! ) qZ\_! \$P

p5ZFST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNZGL TFP! 5q\_) qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG[0%l ]BL . HGZ4 J:8hMG TZOYL VZHNZGL VZHLD\DNF GR! YL Z\_GL DFICTL DFUTL VZHL ; NE  
 HFCZ DFICTL VIWSFZLV[ 5+ GRJ:8hMGqVFZP8LPVF. P; |, q! ! \_ (4 TFP! \$q! \_qZ\_! \$ YL VZHNZG[IGIT ; DI  
 VJIWDA 5t|l; Z 5F9JJFDA VFJl, KP 5ZT] VZHNZ[ INGv#\_DA SM. 5|TEFJ D/, GYL T]J H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5YD V5L, VZHL SZJFDA VFJl, KP

VZHNZGL VZHL wI FG[ , [TF VZHNZ[ DFICTL D/, GYL HFCZ DFICTL VIWSFZLV[ VZHNZG[  
 VF5[, DFICTLDAZFHI ; ZSFZGF 5IZ5I+T GR! qZ\_qZ\_) qVF. P GM p<, B SZl, KP HDA VZHNZ[DFUJ, DFICTL  
 DFICTLGL jI fbl FDA VFJTL GYLP ; NZ 5IZ5+DA GMBL; IJEFUGL DFICTL AFATGM KP HDA S, D (s! f I; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5FOJFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZl, K[T]J H6FJl, KP VFYL VZHNZG[HFCZ  
 DFICTL VIWSFZLV[H[ 5IZ5+GM VY'38G SZl, K[T]SFI NF ; FY[ ; ] UT GYL T]H HFCZ DFICTL VIWSFZLV[S, D ZF  
 AFAT[56 SZl, VY'38G BMB)KP S, D ZF V]B, [S[HFCZ DFICTL VIWSFZL 5F; [p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNZG[DFICTL 5ZL 5OFI |, H6FTL GYLP JWDA DFICTL +FCLT 51FSFZG[, UTL CMI T]F IG6" VU[56 HFCZ DFICTL  
 VIWSFZL \$ZFZ +FCLT 51FSFZG[, ]BLT GMBL; AHFJl, C]UJGL IJUT 56 H6FTL GYL VG[DFICTL VF5JL S[SD T[VUJ  
 5ZTM 5|f; SZl, CMI T]D H6FT]GYLP

C]SD

VZHNZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNZG[GIC 5ZL 5OFI |, DFICTL VU[VFPZP8LPVF. PV]8  
 VgJl [IG6" , [TF 5]l +FCLT 51FSFZG[ZH]VFT VY[AM, FJL tIFZ AFN DFICTL VF5JL S[SDm T[VUJGM IG6" , ]JFGM  
 ZCXP VFYL T[D]HAGL SFI "FCL SZJF 0%l ]BL . HGZ VG[HFCZ DFICTL VIWSFZLG[H6FJJFDA VFJl]KP

GRJ: 8 hMGqVFZP8LPVF. PqGR TFZLBo v vZ_! \$P	SOLPV DPHZLJF, FF V[5[, B VF]O; Z VG[ SFI "5F, S . HGZ s5IzD hfGvZFNZf ; ZT DCFGUZ5FI, SFP
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GS, ZJGF4  
 s! FHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HGL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GF, VF]O; Z VG[VFPZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$F zL 5SHEF. 5F8L, T]MGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJZFZ SZJFDA VFJl, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA N JZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G!SMC/WZ/FAP/GR! Z\_qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNfZ ov zL 5SHEF. 5F8L, sD]bl ; VFNs DF! F 8F. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF|WZLsXCZ IJSF; fsJl; 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov %, MB GR&qZ5) VfhD V5f8Dg84CHLZF ZMO SA; TFGGL ; FD|vZFNZ ; ZT BFT|YI |  
 AFWSFD VU|GL DFICTL DFUTL VZHLGF DNF GR ! YL Z\_ AFATP  
 ; NE"ov V+|GL VZHNfZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! Z\_qZ\_! \$P

p5ZFST IJQFI VG[; NE"AFAT|H6FJJFG|S|VZHNfZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG[0%l ]BL . HGZ4 J: 8hMG TZOYL VZHNfZGL VZHLDf DNF GR! YL Z\_GL DFICTL DFUTL VZHL ; NE|  
 HFCZ DFICTL VIWSFZLV| 5+ GRJ: 8hMGqVFZP8LPVF. P; |, q! ! ! ! 4 TFP! \$q! \_qZ\_! \$ YL VZHNfZG| IGI T ; DI  
 VJIWDA 5t|l; Z 5f9JJFDFV VFJl, KP 5ZT| VZHNfZ| INGv#\_DA SM. 5|TEFJ D/|, GYL T|J| H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5YD V5L, VZHL SZJFDFVVFJl, KP

VZHNfZGL VZHL w| FG| , |TF VZHNfZ| DFICTL D/|, GYL HFCZ DFICTL VIWSFZLV| VZHNfZG|  
 VF5|, DFICTLDAZFHI ; ZSFZGF 5IZ5|+T GR! qZ\_qZ\_)qVF. P GM p<, B SZl, KP H|DFVZHNfZ|DFU|, DFICTL  
 DFICTLGL j| fbl FDFVVFJTL GYLP ; NZ 5IZ5+DA GMBL; IJEFUGL DFICTL AFATGM KP H|DFAS, D (s! f |; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJX YFI KP

Vf 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZl, K|T|J|H6FJl, KP VFYL VZHNfZG|HFCZ  
 DFICTL VIWSFZLV|H| 5IZ5+GM VY'38G SZl, K|T|SFI NF ; FY|; ; UT GYL T|PH HFCZ DFICTL VIWSFZLV|S, D ZF  
 AFAT|56 SZl, VY'38G BMB|KP S, D ZF V|B, |S|HFCZ DFICTL VIWSFZL 5F; |p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNfZG|DFICTL 5ZL 5OFI |, H6FTL GYLP JWDFDFICTL +FCLT 51FSFZG|, UTL CMI T|JF IG6" VU|56 HFCZ DFICTL  
 VIWSFZL \$ZFZ +FCLT 51FSFZG|, |BLT GMBL; AHFJl, C|UJFGL IJUT 56 H6FTL GYL VG|DFICTL VF5JL S|SD T|VU|  
 5ZTM 5|l F; SZl, CMI T|D H6FT|GYLP

CJSD

VZHNfZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNfZG|GIC 5ZL 5OFI |, DFICTL VU|VFZP8LPVF. PV\$8  
 VgJl |IG6" , |TF 5|l +FCLT 51FSFZG|ZH|VFT VY|AM, FJL t|fZ AFN DFICTL VF5JL S|SDm T|VU|GM IG6" , |JFGM  
 ZCXP VFYL T|D|HAGL SFI "fCCL SZJF 0%l ]BL . HGZ VG|HFCZ DFICTL VIWSFZLG|H6FJJFDFVVFJl|KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

SOLPV|DPHZLJF, FF  
 V[5[, B VF|O; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; ZT DCFGUZ5FI, SFP

GS, ZJFGf  
 s! fHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF|WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; |P. HGZzl VG|HGL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; |P GFp, VF|O; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$f zL 5SHEF. 5F8L, T|MGL V5L, VZHL VU|p5ZGL IJUT|GfCSD wJFZ SZJFDFVVFJl, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V 5 ,  B VMOL; Z VG  SFI "5F, S . HG Z		;  ZT DCFGUZ5FI, SF 5IüD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 g   ZFN Z ZM04;  ZT v #) 5 ___)P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G|SMC/WZ/FAP/GR! Z! qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNfZ ov zL 5SHEF. 5F8L, sD|bl ; |5FNS DF| F 8F. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HG|Z40LPJLPRF|WZLsXCZ| IJSF; fsJ|:8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov %, |B GR\$q! &\_4; |ZT 5|, |; TFI JF04ZFN|Z ; |ZT BFT|YI|, AFWSFD VU|GL DFICTL  
 DFUTL VZHLGF DNF GR! YL Z\_ AFATP  
 ; NE"ov V+|GL VZHNfZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! Z! qZ\_! \$P

p5Zf\$T IJQFI VG|; NE"AFAT|H6FJJFG|S|VZHNfZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG|0%| |BL . HG|Z4 J|:8hMG TZOYL VZHNfZGL VZHLDF|DNF GR! YL Z\_ GL DFICTL DFUTL VZHL ; NE|  
 HFCZ DFICTL VIWSFZLV|5+ GRJ|:8hMGqVFZP8LPVF. P; |, q! ! ! \_4 TFP! \$q! \_qZ\_! \$ YL VZHNfZG|IGIT ; DI  
 VJIWDF 5|t| |Z 5F9JJFDF V|FJ|, KP 5ZT| VZHNfZ| INGv#\_DF SM. 5|TEFJ D|/, GYL T|J| H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5|YD V5L, VZHL SZJFDFV|FJ|, KP

VZHNfZGL VZHL w|FG|, |TF VZHNfZ| DFICTL D|/, GYL HFCZ DFICTL VIWSFZLV| VZHNfZG|  
 VF5|, DFICTLDF|ZFH| ; ZSFZGF 5IZ5|+T GR! qZ\_qZ\_)qVF. P GM p<, |B SZ|, KP H|DF VZHNfZ|DFU|, DFICTL  
 DFICTLGL j|fbl FDF V|FJTL GYLP ; NZ 5IZ5+DF GMBL; IJEFUGL DFICTL AFAT|GM KP H|DF S, D (s! f |; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZ|, K|T|J|H6FJ|, KP VFYL VZHNfZG|HFCZ  
 DFICTL VIWSFZLV|H|5IZ5+GM VY'38G SZ|, K|T|SFI NF ; FY|; |; UT GYL T|DH HFCZ DFICTL VIWSFZLV|S, D ZF  
 AFAT|56 SZ|, VY'38G BMB|KP S, D ZF V|B, |S|HFCZ DFICTL VIWSFZL 5F; |p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNfZG|DFICTL 5ZL 50FI|, H6FTL GYLP JWDFDFICTL +FCLT 51FSFZG|, UTL CMI T|J|IG6" VU|56 HFCZ DFICTL  
 VIWSFZL \$ZFZ +FCLT 51FSFZG|, |BLT GMBL; AHFJ|, C|UJFGL IJUT 56 H6FTL GYL VG|DFICTL VF5JL S|SD T|VU|  
 5ZTM 5|f; SZ|, CMI T|D H6FT|GYLP

C|SD

VZHNfZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNfZG|GIC 5ZL 50FI|, DFICTL VU|VFZP8LPVF. PV\$8  
 VgJ| |IG6" , |TF 5|J| +FCLT 51FSFZG|ZH|VFT VY|AM, FJL t|fZ AFN DFICTL VF5JL S|SDm T|VU|GM IG6" , |JFGM  
 ZCXP VFYL T|D|HAGL SFI |FCL SZJF 0%| |BL . HG|Z VG|HFCZ DFICTL VIWSFZLG|H6FJJFDFV|FJ|KP

GRJ :8 hMGqVFZP8LPVF. PqGR TFZLBov v vZ_! \$P	SOLPV DPHZLJF, FF V 5 ,  B VF 0; Z VG  SFI "5F, S . HG Z s5IzD hfGvZFN Zf ;  ZT DCFGUZ5FI, SFP
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GS, ZJFGF4  
 s! FHFCZ DFICTL VIWSFZL VG|0%| |BL . HG|Z40LPJLPRF|WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HG|ZzL VG|HGL . HG|ZzLs5IzD hMGvZFN|ZfXCZ| IJSF; PPHF6 TYF VD,  
 DF8P  
 s#f VF; LP GF0, VF|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$f zL 5SHEF. 5F8L, T|MIGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZ SZJFDFV|FJ|, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA N JZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GR! ZZ qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNZ ov zL 5SHEF. 5F8L, sD]bl ; VFNs DFf F 8f. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLsXCZ IJSF; fsJl; 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov %, MB GR! q&Z4&#4&\$ OL, 1F V[5F8D]84 5FR CF80L40L:8E8 A\$GL 5F; #ZFNZ ; ZT  
 BFT|YI |, AFWSFD VUJGL DFICTL DFUTL VZHLGF DNf GR! YL Z\_ AFATP  
 ; NE"ov V+|GL VZHNZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! ZZqZ\_! \$P

p5Zf\$T IJQFI VG[; NE"AFAT|H6FJJFG|S|VZHNZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG[0%l ]BL . HGZ4 J:8hMG TZOYL VZHNZGL VZHLDf DNf GR! YL Z\_GL DFICTL DFUTL VZHL ; NE|  
 HFCZ DFICTL VIWSFZLV[ 5+ GRJ:8hMGqVFZP8LPVF. P; | q! ! \_#4TFP! \$q! \_qZ\_! \$ YL VZHNZG| IGI T ; DI  
 VJIWDA 5t|l;Z 5F9JJFDF\ VFJl, KP 5ZT] VZHNZ| INGv#\_DF SM. 5|TEFJ D/, GYL T]J H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5YD V5L, VZHL SZJFDF\VFJl, KP

VZHNZGL VZHL w| FG| , [TF VZHNZ| DFICTL D/, GYL HFCZ DFICTL VIWSFZLV[ VZHNZG|  
 VF5|, DFICTLDAZFHI ; ZSFZGF 5IZ5I+T GR! qZ\_qZ\_)qVf. P GM p<, B SZl, KP H|DF\ VZHNZ| DFU|, DFICTL  
 DFICTLGL j| fbl FDF\ VFJTL GYLP ; NZ 5IZ5+DF\ GMBL; IJEFUGL DFICTL AFATGM KP H|DF\ S, D (s! f l; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZl, K|T]J H6FJl, KP VFYL VZHNZG| HFCZ  
 DFICTL VIWSFZLV[ H| 5IZ5+GM VY'38G SZl, K|T|SFI NF ; FY| ; ] UT GYL TDH HFCZ DFICTL VIWSFZLV[S, D ZF  
 AFAT[56 SZl, VY'38G BMB)KP S, D ZF Vb, [S|HFCZ DFICTL VIWSFZL 5F; [p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNZG|DFICTL 5ZL 5OFI |, H6FTL GYLP JWDF\DFICTL +FCLT 51FSFZG|, UTL CMI T]F IG6" VU[56 HFCZ DFICTL  
 VIWSFZL \$ZFZ +FCLT 51FSFZG|, ]BLT GMBL; AHFJl, CMIJGL IJUT 56 H6FTL GYL VG|DFICTL VF5JL S|SD T|VU|  
 5ZTM 5|l F; SZl, CMI TD H6FT|GYLP

CJSD

VZHNZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNZG|GIC 5ZL 5OFI |, DFICTL VU|VFZP8LPVF. PV\$8  
 VgJl [IG6" , [TF 5]l +FCLT 51FSFZG|ZH]VFT VY|AM, FJL tl FZ AFN DFICTL VF5JL S|SDm T|VU|GM IG6" , ]FGM  
 ZCXP VFYL T|D]HAGL SFI "FCL SZJF 0%l ]BL . HGZ VG|HFCZ DFICTL VIWSFZLG|H6FJJFDF\VFJl|KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPVDPHZLJF, FF  
 V[5[, B VF|O; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG|HGL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; LP GFp, VF|O; Z VG|VFZP8LPVF. P; | 5|TPPPPPPHF6 DF8P  
 s\$f zL 5SHEF. 5F8L, T]MGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZ SZJFDF\VFJl, IGSF, ; AA HF6 ; F~P

OLPV|DPHZLJF, F  
V|5|, |B VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5IüD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJFOL4  
g| |ZFN|Z ZM04; |ZT v #) 5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GR! Z# qZ\_! \$  
TFP! \*v! \_vZ\_! \$

VZHNfZ ov zL 5SHEF. 5F8L, sD|bl ; |5FNS DF| F 8F. d; f

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ40LPJLPRF|WZLsXCZ| IJSF; fsJ|:8 hMGf

OZLI FNGL CSLST ov

IJQFI ov %, |B GR(q#! H.K.G.N V|5f8D|8 ; |HFTBFG :8E8vZFNZ ; |ZT BFT|Y| |, AFWSFD  
VU|GL DFICTL DFUTL VZHLGF DNf GR! YL Z\_ AFATP  
; NE"ov V+|GL VZHNfZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! Z#qZ\_! \$P

p5Zf\$T IJQFI VG|; NE"AFAT(|H6FJJFG|S|VZHNfZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
VIWSFZL VG|0%| |BL . HGZ4 J|:8hMG TZOYL VZHNfZGL VZHLDF|DNf GR! YL Z\_GL DFICTL DFUTL VZHL ; NE|  
HFCZ DFICTL VIWSFZLV| 5+ GRJ|:8hMGqVFZP8LPVF. P; |, q! ! \_\$4TFP! \$q! \_qZ\_! \$ YL VZHNfZG| IG|T ; D|  
VJIWDF 5|t| |Z 5F9JJDF 5FJ|, KP 5ZT| VZHNfZ| INGv#\_DF SM. 5|TEFJ D|/, GYL T|J| H6FJL  
TFP! \*q! \_qZ\_! \$GF ZMH 5|YD V5L, VZHL SZJDF 5FJ|, KP

VZHNfZGL VZHL w|FG|, |TF VZHNfZ| DFICTL D|/, GYL HFCZ DFICTL VIWSFZLV| VZHNfZG|  
VF5|, DFICTLDFZFH| ; ZSFZGF 5IZ5|+T GR! qZ\_qZ\_)qVF. P GM p<, |B SZ|, KP H|DF VZHNfZ|DFU|, DFICTL  
DFICTLGL j|fbl FDF 5FJTL GYLP ; NZ 5IZ5+DF GMBL; IJEFUGL DFICTL AFATGM KP H|DF S, D (s! f |; JFI  
GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZ|, K|T|J|H6FJ|, KP VFYL VZHNfZG|HFCZ  
DFICTL VIWSFZLV|H| 5IZ5+GM VY'38G SZ|, K|T|SFI NF ; FY|; ; UT GYL T|DH HFCZ DFICTL VIWSFZLV|S, D ZF  
AFAT|56 SZ|, VY'38G BMB|KP S, D ZF V|B, |S|HFCZ DFICTL VIWSFZL 5F; |p5, aW DFICTLGM; DFJX YFI KP VFYL  
VZHNfZG|DFICTL 5ZL 5OF| |, H6FTL GYLP JWDF 5FJTL +FCLT 51FSFZG|, UTL CMI T|JF IG6" VU|56 HFCZ DFICTL  
VIWSFZL \$ZFZ +FCLT 51FSFZG|, |BLT GMBL; AHFJ|, C|UJFGL IJUT 56 H6FTL GYL VG|DFICTL VF5JL S|SD T|VU|  
5ZTM 5| |F; SZ|, CMI T|D H6FT|GYLP

C|SD

VZHNfZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNfZG|GIC 5ZL 5OF| |, DFICTL VU|VFZP8LPVF. PV\$8  
VgJ| |IG6" , |TF 5|J| +FCLT 51FSFZG|ZH|VFT VY|AM, FJL t|fz AFN DFICTL VF5JL S|SDm T|VU|GM IG6" , |JFGM  
ZCXP VFYL T|D|HAGL SFI "FCL SZJF 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZLG|H6FJJDF 5FJ|KP

GRJ|:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

sOLPV|DPHZLJF, FF  
V|5|, |B VF|0; Z VG|  
SFI "5F, S . HGZ s5IzD hFGvZFNZf  
; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! FHFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ40LPJLPRF|WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|HGL . HGZzLs5IzD hMGvZFNZfXCZ| IJSF; PPHF6 TYF VD,  
DF8P

s#fVF; LP GF|, VF|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P

s\$f zL 5SHEF. 5F8L, T|MGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZ SZJDF 5FJ|, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl ] ZFNZ ZM04; ZT v #) 5 ___) P OMGo_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GR! Z\$qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNfZ ov zL 5SHEF. 5F8L, sD]bl ; VFNs DFf F 8f. d; f

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLsXCZ IJSF; fsJl; 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov %, MB GR&q! Z ( V# SFNZL 5[, l; 4 NC[, F D: HINGL 5FK/vZFNZ ; ZT BFT|YI l,  
 AFWSFD VU|GL DFICTL DFUTL VZHLGF DNF GR ! YL Z\_ AFATP  
 ; NE"ov V+GL VZHNfZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! Z\$qZ\_! \$P

p5ZFST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG[0%l ]BL . HGZ4 J: 8hMG TZOYL VZHNfZGL VZHLDf\DNF GR! YL Z\_GL DFICTL DFUTL VZHL ; NE|  
 HFCZ DFICTL VIWSFZLV[ 5+ GRJ: 8hMGqVFZP8LPVF. P; l, q! ! ! \$4TFP! \$q! \_qZ\_! \$ YL VZHNfZG[ IGIT ; DI  
 VJIWDA 5t|l; Z 5F9JJFDF\ VFJl, KP 5ZT] VZHNfZ[ INGv#\_DA SM. 5|TEFJ D/l, GYL T]J, H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5YD V5L, VZHL SZJFDF\VFJl, KP

VZHNfZGL VZHL wI FG[ , [TF VZHNfZ[ DFICTL D/l, GYL HFCZ DFICTL VIWSFZLV[ VZHNfZG[  
 VF5[, DFICTLDAZFHI ; ZSFZGF 5IZ5I+T GR! qZ\_qZ\_)qVF. P GM p<, B SZl, KP H|DF\ VZHNfZ[DFUJ, DFICTL  
 DFICTLGL jI fbl FDF\ VFJTL GYLP ; NZ 5IZ5+DA GMBL; IJEFUGL DFICTL AFATGM KP H|DfS, D (s! f l; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZl, K[T]J, H6FJl, KP VFYL VZHNfZG[HFCZ  
 DFICTL VIWSFZLV[H[ 5IZ5+GM VY'38G SZl, K[T]SFI NF ; FY[; ] UT GYL T]H HFCZ DFICTL VIWSFZLV[S, D ZF  
 AFAT[56 SZl, VY'38G BMB)KP S, D ZF Vb, [S[HFCZ DFICTL VIWSFZL 5F; [p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNfZG[DFICTL 5ZL 5OFI l, H6FTL GYLP JWDF\DFICTL +FCLT 51FSFZG[, UTL CMI T]F IG6" VU[56 HFCZ DFICTL  
 VIWSFZL \$ZFZ +FCLT 51FSFZG[, ]BLT GMBL; AHFJl, C]UFGl IJUT 56 H6FTL GYL VG[DFICTL VF5JL S[SD T[VU[  
 5ZTM 5]l F; SZl, CMI T]D H6FT]GYLP

C]SD

VZHNfZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNfZG[GIC 5ZL 5OFI l, DFICTL VU[VFZP8LPVF. PV]8  
 VgJl [IG6" , [TF 5]l +FCLT 51FSFZG[ZH]VFT VY[AM, FJL tIFZ AFN DFICTL VF5JL S[SDm T[VU]GM IG6" , ]FGM  
 ZCXP VFYL T[D]HAGL SFI "fCCL SZJF 0%l ]BL . HGZ VG[HFCZ DFICTL VIWSFZLG[H6FJJFDF\VFJl]KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPV|DPHZLJF, Ff  
 V[5[, B VF]0; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! FHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG[H]GL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; LP GFp, VF]0; Z VG[VFZP8LPVF. P; l, 5]TPPPPPPHF6 DF8P  
 s\$f zL 5SHEF. 5F8L, T]MGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJFZ SZJFDF\VFJl, IGSF, ; AA HF6 ; F~P



OLPV\DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJF0L4 gl ] ZFNZ ZM04; [ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G!SMC/WZ/FAP/GR! Z5qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNfZ ov zL 5SHEF. 5F8L, sD]bl ; VFNs DFf F 8f. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLsXCZ IJSF; fsJl; 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov %, M8 GR\*q! Z& DMRLJF04 GULGF D: hLN 5F; [ZFNZ ; [ZT BFT[YI ], AFWSFD VUJGL  
 DFICTL DFUTL VZHLGF DNF GR ! YL Z\_ AFATP  
 ; NE"ov V+GL VZHNfZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! Z5qZ\_! \$P

p5ZFST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG[0%l ]BL . HGZ4 Jf; 8hMG TZOYL VZHNfZGL VZHLDF\DNF GR! YL Z\_GL DFICTL DFUTL VZHL ; NE!  
 HFCZ DFICTL VIWSFZLV[ 5+ GRJf; 8hMGqVFZP8LPVF. P; [ q! ! \_)4TFP! \$q! \_qZ\_! \$ YL VZHNfZG[ IGIT ; DI  
 VJIWDF 5t1]Z 5F9JJFDF VEFJ, KP 5ZT] VZHNfZ[ INGv#\_DF SM. 5]TEFJ D/[, GYL T]J, H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5YD V5L, VZHL SZJFDF\VEFJ, KP

VZHNfZGL VZHL wIFG[, [TF VZHNfZ[ DFICTL D/[, GYL HFCZ DFICTL VIWSFZLV[ VZHNfZG[  
 VF5[, DFICTLDFZHfI ; ZSFZGF 5IZ5I+T GR! qZ\_qZ\_)qVF. P GMp<, [B SZl, KP HDF\ VZHNfZ[DFU], DFICTL  
 DFICTLGL jI fbl FDF\ VEFJTL GYLP ; NZ 5IZ5+DF\ GMBL; IJEFUGL DFICTL AFATGM KP HDFAS, D (s! f I; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5F0JFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDF\; DFJX SZl, K[T]J, H6FJl, KP VFYL VZHNfZG[HFCZ  
 DFICTL VIWSFZLV[H[ 5IZ5+GM VY'38G SZl, K[T]SFI NF ; FY[; ] UT GYL T]DH HFCZ DFICTL VIWSFZLV[S, D ZF  
 AFAT[56 SZl, VY'38G BMB]KP S, D ZF V[B, [S[HFCZ DFICTL VIWSFZL 5F; [p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNfZG[DFICTL 5ZL 50FI], H6FTL GYLP JWDF\DFICTL +FCLT 51FSFZG[, UTL CMI T]JF IG6" VU[56 HFCZ DFICTL  
 VIWSFZL \$FZF +FCLT 51FSFZG[, [BLT GMBL; AHFJl, CMJFGL IJUT 56 H6FTL GYL VG[DFICTL VF5JL S[SD T[VU[  
 5ZTM5]F; SZl, CMI T]D H6FT]GYLP

CJSD

VZHNfZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNfZG[GIC 5ZL 50FI], DFICTL VU[VFZP8LPVF. PV\$8  
 VgJl [IG6" , [TF 5J] +FCLT 51FSFZG[ZH]VFT VY[AM, FJL tIFZ AFN DFICTL VF5JL S[SDm T[VUJGM IG6" , [JFGM  
 ZCXP VFYL T[D]HAGL SFI "JFCL SZJF 0%l ]BL . HGZ VG[HFCZ DFICTL VIWSFZLG[H6FJJFDF\VEFJ]KP

GRJf; 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \$P

sOLPV\DPHZLJF, ff  
 V[5[, [8 VF]0; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJFGf  
 s! FHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[H]GL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; LP GFp, VF]0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$f zL 5SHEF. 5F8L, T]MIGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJFZF SZJFDF\VEFJ, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gl   ZFNZ ZM04; ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G?SMC/WZ/FAP/GR! Z&qZ\_! \$  
 TFP! \*v! \_vZ\_! \$

VZHNfZ ov zL 5SHEF. 5F8L, sD]bl ; VFNs DFf F 8f. d; f  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLsXCZ IJSF; fsJl; 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ov %, MB GR (qZ& ; L4 ; FAZF V[5F8D]84EFZMB 8SZM; JANFZ :8E8vZFNZ ; ZT BFT[YI l,  
 AFWSFD VU|GL DFICTL DFUTL VZHLGF DNf GR ! YL Z\_ AFATP  
 ; NE"ov V+|GL VZHNfZGL TFP! \*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! Z&qZ\_! \$P

p5ZFST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNfZGL TFP! 5q\_)qZ\_! \$ VZHLYL HFCZ DFICTL  
 VIWSFZL VG[0%l ]BL . HGZ4 J:8hMG TZOYL VZHNfZGL VZHLDf DNf GR! YL Z\_GL DFICTL DFUTL VZHL ; NE f  
 HFCZ DFICTL VIWSFZLV[ 5+ GRJ:8hMGqVFZP8LPVF. P; l q! ! ! #4TFP! \$q! \_qZ\_! \$ YL VZHNfZG[ IGIT ; DI  
 VJIWDA 5t l; Z 5F9JJFDF\ VFJl, KP 5ZT] VZHNfZ[ INGv#\_DF SM. 5|TEFJ D/l, GYL T]J H6FJL  
 TFP! \*q! \_qZ\_! \$GF ZMH 5YD V5L, VZHL SZJFDF\VFJl, KP

VZHNfZGL VZHL wI FG[ , [TF VZHNfZ[ DFICTL D/l, GYL HFCZ DFICTL VIWSFZLV[ VZHNfZG[  
 VF5l, DFICTLDAZFHI ; ZSFZGF 5IZ5I+T GR! qZ\_qZ\_)qVF. P GM p<, B SZl, KP H|DF\ VZHNfZ[DFUJ, DFICTL  
 DFICTLGL jI fbl FDF\ VFJTL GYLP ; NZ 5IZ5+DA GMBL; IJEFUGL DFICTL AFATGM KP H|DF\ S, D (s! f l; JFI  
 GMBL; IJEFU DFICTL 56 5ZL 5FOJFGM; DFJX YFI KP

VF 5IZ5+YL OF. , GMBLUGM 56 DFICTLDA; DFJX SZl, K[T]J H6FJl, KP VFYL VZHNfZG[HFCZ  
 DFICTL VIWSFZLV[H[ 5IZ5+GM VY'38G SZl, K[T]SFI NF ; FY[ ; ] UT GYL TDH HFCZ DFICTL VIWSFZLV[S, D ZF  
 AFAT[56 SZl, VY'38G BMB]KP S, D ZF Vb, [S[HFCZ DFICTL VIWSFZL 5F; [p5, aW DFICTLGM; DFJX YFI KP VFYL  
 VZHNfZG[DFICTL 5ZL 5OFI l, H6FTL GYLP JWDF\DFICTL +FCLT 51FSFZG[, UTL CMI T]F IG6" VU[56 HFCZ DFICTL  
 VIWSFZL \$ZFZ +FCLT 51FSFZG[, ]BLT GMBL; AHFJl, CMIJGL IJUT 56 H6FTL GYL VG[DFICTL VF5JL S[SD T[VU[  
 5ZTM 5]l F; SZl, CMI TD H6FT]GYLP

CJSD

VZHNfZGL TFP! \$q! \_qZ\_! \$ GL VZHLYL VZHNfZG[GIC 5ZL 5OFI l, DFICTL VU[VFZP8LPVF. PV\$8  
 VgJl [IG6" , [TF 5]l +FCLT 51FSFZG[ZHVFT VY[AM, FJL tI FZ AFN DFICTL VF5JL S[SDm T[VU]GM IG6" , ]JFGM  
 ZCXP VFYL T[D]HAGL SFI "fCL SZJF 0%l ]BL . HGZ VG[HFCZ DFICTL VIWSFZLG[H6FJJFDF\VFJl]KP

GRJ: 8 hMGqVFZP8LPVF. PqGR TFZLBov v vZ_! \$P	SOLPV DPHZLJF, FF V[5[, B VF]O; Z VG[ SFI "5F, S . HGZ s5IzD hFGvZFNZf ; ZT DCFGUZ5FI, SFP
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GS, ZJGF4  
 s! FHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ40LPJLPRF\WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG[HGL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; LP GFD, VF]O; Z VG[VFZP8LPVF. P; l, 5|TPPPPPPHF6 DF8P  
 s\$f zL 5SHEF. 5F8L, TMIGL V5L, VZHL VU[p5ZGL IJUT]GACSD wJFZ SZJFDF\VFJl, IGSF, ; AA HF6 ; F~P

OLPV DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA N[JZ; ZM04 TFOJFOL4 gl ] ZFNZ ZM04; [ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL GP**SMC/WZ/FAP**/GP! Z\*qZ\_! \$  
 TFP! (v! \_vZ\_! \$

VZHNfZ ov zL ZD[X SP HFULO  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ40LPJLPRF[WZLSXCZ IJSF; fsJl; 8 hMGf

OZLI FNGL CSLST ov  
 IJQFI ov HP. HGZ ALPV|DPXFCGF SFI "f[+ DAFTP\_! q\_ \$qZ\_! \$YL YI [, SFI "JFCL AFATP  
 ; NE" ov V+GL VZHNfZGL TFP! (q! \_qZ\_! \$ GL **SMC/WZ/FAP/GR!** Z\*qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG) S[ VZHNfZGL TFPZ5q\_) qZ\_! \$GL VZHLYL VZHNfZ  
 TFP\_! q\_ \$qZ\_! \$YL HP. HGZ ALPV|DPXFCGF SFI "f[+ C9/ AFWSFD AFAT[ DHZL IJGFG V+[ DHZ % , FG IJ~wWGF  
 AFWSFD# OLDM, LXG4 . d5[8 OL VG[ IJSF; 5ZJFGUL IJUJ[ AFAT[ DNF GR! YL 5 GL DFICTL DFUJFDFV FJl, P HGf  
 VG[; WFG[ HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ TZOYL DFuI F DJHAGL DFICTLGF Z\$0" IGEFJJFDFV FJTM GYL TYF  
 TjL DFICTL GFDHMJ CMI +FICT jI IST ; AWT Kp TYL HFCZ DFICTL VIWIGI DvZ\_\_5 ; FDFgl JCLJ8L 5IZ5+ SPDS  
 JC; Z\_\_5s5f VFZP8LPVF. P; [, TFP! \$q! ! qZ\_\_5 DJHA4 DFUj, DFICTL DFICTLGL jI FbI FDF; DFJX YTM GYIP  
 s; [XG ZsFfD)Haf Tj) HFCZ SZl, K[ TYF XCZ IJSF; VG[ UC IGDf'6 IJEFU ; IRJF, I4 UFWIGUZ 5+ SPDS  
 5ZRq! \_Z\_\_) q\$&\* \*q5L4 TFP! \_q\_ (qZ\_\_) Gf 5+YL 5IZ5I+T GR ! qZ\_qZ\_\_) qVf. P Df 56 ; NZC] AFATGL  
 :508TF SZJFDFV FJl, K[Tj)H6FJl, Kp

VZHNfZ[ TFP! (q! \_qZ\_! \$GF ZMH V5L, VIWSFZL ZFNZ hMGGA HP. HGZ ALPV|DPXFCGF SFI "f[+ GL  
 SFDULZLGL K[H[ VFZP8LPVF. PV[8 VTUT VFJl K[ TYF DFICTL SRZLGF Z\$0" p5Z p5, aW CMJF KTA(BN8) VYW8G SZL  
 HFCZ DFICTL VIWSFZLV[ DFICTL VF5JFDF. gSFZ SZl, CMJFYL VFZP8LPVF. PV[8 VTUT VFJL DFICTL D[ JJF V5L,  
 SZl, Kp H[VU[; NZ ; NE" AFAT[jI ISTUT GFD VZHNfZ[DFUJFDFV FJl, DFICTL ; NE" VFI MJ[ SZl, V5L, GRZ&\_&  
 VG[#&5 (4 TFP! (q\_) qZ\_! \$GF VFI MJGL CSDGL GS, 56 ZH] SZl, Kp VFD VZHNfZGL ZHjVFT SFI NF ; FY[ ; ] UT  
 Kp VZHNfZ[ SDRFZLGF SM. VUT S[jI ISTUT DFICTL DFUj, GYL 5ZT] TGF SFI "f[+ Df VEFJTL AFWSFD AFATGL DFICTL  
 DFUJFDFV FJl, Kp 5ZT] 5xGMGL IJUT[ H6FI K[ S[ ALPV|DPXFCGL OZH NZdI FG YI [, TDFD XCZL IJSF; G[ , UTL  
 OF. , MdfYL , FUT DFICTL Tq FZ SZJL 50[HGM jI F5 HMTF TjH , FUT Z\$0" V, FI NM SRZL wJFZF IGI T OMD8DFOLHl8,  
 OMDDFsSMD%l [ZDFf p5, aW ZFBJFDFV FJTM G CMI TM VZHNfZG[ ~A~ D], FSFT[AM, FJL . g: 5[XG VF5L DFICTL VU[  
 , FUT GS, MGL : 508 I FNL VFJl jYL DFICTL VF5L XSFI TjD H6FI Kp

CJSD

VZHNfZGL TFPZ5q\_) qZ\_! \$ YL DFUJFDFV FJl, DFICTLGM jI F5 36M CMI INGv\* Df VZHNfZG[  
 . g: 5[XG 5Z] 5F0JF 0%l [BL . HGZ VG[ HFCZ DFICTL VIWSFZLGF H6FJJFDFV FJl Kp

GRJl; 8 hMGq VFZP8LPVF. PqGR  
 TFZLBoV v vZ\_! 5P

sOLPV|DPHZLJF, FF  
 V[5[, [8 VF[0; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SF

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ4HPSPRF[WZLS5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG[HGL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#fVF; LP GfD, VF[0; Z VG[VFZP8LPVF. P; [, 5]TPPPPPPHF6 DF8P  
 s\$F zL ZD[X SPHFULO4 TMIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDFV FJl, IGSF, ; AA HF6 ; f-P

OLPV DPHZLJF, F V 5 ,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5IüD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 g   ZFN Z ZM04;  ZT v #)5 ___)P OMGo_Z&! vZ*( &! (! v(Zv(#
---	---	--

V5L, VZHL G<sup>SMC/WZ/FAP</sup>/GP! Z(qZ\_! \$  
 TFP! (v! \_vZ\_! \$

VZHNfZ ov zL ZD|X SP HFU|LO  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4H<sup>SPRF</sup>WZLsXCZ IJSF; fsJ|: 8 hMGf

OZLI FNGL CSLST ov  
 IJQFI ov 5IüD hMG SRZLGF SFI "f|+ ZFDGUZ BFT|; FIG| F O|XGJF/L ID<STGF YTFUJZSFI N|  
 SMDIX"1 , AFWSFD AFATP  
 ; NE"ov V+|GL VZHNfZGL TFP! (q! \_qZ\_! \$ GL <sup>SMC/WZ/FAP</sup>/GR! Z(qZ\_! \$P

p5ZfST IJQFI VG|; NE" AFAT|H6FJJFG|S|VZHNfZGL TFP\_\$q! \_qZ\_! \$GL VZHLYL VZHNfZ|  
 TFP\_&q\_(qZ\_! \$GF ZMH SFI "5F, S . HGZG|VF5|, 5+ AFAT|X|SFI "JFCL SZL T|VU|D|NF GR! YL # GL DFICTL  
 DFUTL VZHL SZJFDF VEFJ|, P HGF VG|; WFG|HFCZ DFICTL VIWSFZL TZOYL 5+ GR J|: 8hMGq VFZP8LPVF. P; |, q  
 ! ! 5#4 TFP! \*q! \_qZ\_! \$YL HFCZ DFICTL VIWSFZLV|; NZ ID<ST VM/B VU|8LP5LP: SLD GAZ4 VDP5LPGAZ VG|  
 ; A%, M8 GAZ IUJZ|H6FJ| |YL DFICTL 5ZL 5F0JFDF VEFJX|T|J|H6FJ|, P

VZHNfZ| V5L, DF ZFDGUZ IJ:TFZ 8LP5LPZ) DF VEFJ| KP DFU|, DFICTL ZFDGUZ BFT|IGHWFD  
 VFzD 5F; | CIZVMD SMD5, |FGL AFH|DF VEFJ|, K|TYF T|VU|GF OMBMUf0 56 V+|J|: 8hMGGL SRZLV|ZH|SZ|, KP  
 H|YL HJFANFZ VIWSFZL S|SDRFZL ID<STYL JFS0 G CMI T|J|DFGL XSFI GICP VZHNfZG|UJDFU|NMZJF 8LP5LPGAZ4  
 VDP5LPGAZ VG|; A%, M8GL DFU6L SZ|, KP T|YL HJFANFZ VIWSFZL 5F; [DFICTLGL IJUTMD|/JJF V5L, SZ|, KP

C|SD

VZHNfZGL TFP\_\$q! \_qZ\_! \$ GL VZHLYL DFUJFDF VEFJ|, DFICTL VZHNfZ|TFP\_&q\_(qZ\_! \$GF  
 ZMH SFI "5F, S . HGZG|VF5|, 5+ AFAT|SZ|, VYJF G SZ|, SFI "JFCL AFAT|GL IJUTMDFUJFDF VEFJ|, KP H|NOTZL  
 p5, aW CSLST, 1FL DFICTL VZHNfZG| INGv\*DF VFZP8LPVF. PV\$8GL S, Dv\*s&f C0/ IJGFD|k| 5ZL 5F0JF  
 0%| |BL . HGZ VG|HFCZ DFICTL VIWSFZL|H6FJJFDF VEFJ|KP

GRJ|: 8 hMGq VFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
 V|5|, |B V|f|0; Z VG|  
 SFI "5F, S . HGZ s5IzD hfGvZFN|Zf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4H<sup>SPRF</sup>WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG|H|GL . HGZzls5IzD hMGvZFN|ZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#fVF; LP GF0, V|f|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$f zL ZD|X SPHFU|LO4 TM|GL V5L, VZHL VU|p5ZGL IJUTGACSD wJFZF SZJFDF VEFJ|, IGSF, ; AA HF6 ; F-P

OLPV\DPHZLJF, F V[5[, B VMOL; Z VG[ SFI "5F, S . HGZ		; ZT DCFGUZ5FI, SF 5lÜD hMG sZFNZf OFPAF, F; FCJA N\JZ; ZM04 TFOJFOL4 gl ] ZFNZ ZM04; ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL GP~~SMC/WZ/FAP~~/GP! Z) qZ\_! \$  
 TFPZ\_v! \_vZ\_! \$

VZHNFZ ov zL ZDX SP HFUOL  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG\VM, 0%l B. HGZsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov  
 IJQFI ov . d5§8GF SFI NF C9/ VFJ, VZHLVM; FD[ID<STG\IGI DLT SZJFGM. gSFZ SZTA  
 CSD 5+ GDGFvcKc AFATP  
 ; NE"ov V+GL VZHNFZGL TFPZ\_q! \_qZ\_! \$ GL ~~SMC/WZ/FAP~~/GR! Z) qZ\_! \$P

p5ZfST IJQFI VG[ ; NE" AFAT\ H6FJJFG\ S\ VZHNFZGL TFP\_#q\_) qZ\_! \$GL VZHLYL ; ZT  
 DCFGUZ5FI, SFGF TDFD hMG4 Dwl :Y XCZ IJSF; IJEFUGL AFWSFD T\DH . d5§8 OL AFAT\DNF GR! YL ZGL DFICTL DFUTL  
 VZHL HFCZ DFICTL VIWSFZL4 Dwl :Y XCZ IJSF; IJEFUG[SZJFDFV\FJ, P H\; t8= hMG BFT[: JLSFZJFDFV\FJ, P H\; t8= hMG  
 TZOYL 5+ GR ; P hMGqVFZ8LVF. qHFJSq! (! Z4 TFP\_&q\_) qZ\_! \$YL T\H INJ; [GFI A XCZ IJSF; VIWSFZLG\TANL, SZJFDFV  
 VFJ, KP H\HFCZ DFICTL VIWSFZL VG[GFI A XCZ IJSF; VIWSFZL TZOYL GR8LPOLP\VPq&\$! 4 TPI! ) q\_) qZ\_! \$YL TDFD hMGGL  
 TANL, SZJFDFV VFJ, KP HGF VG; WFG\ HFCZ DFICTL VIWSFZL TZOYL 5+ GR J: 8hMGq VFZP8LPVF. P; [ q ! ! \$#4  
 TPI! &q! \_qZ\_! \$YL VZHNFZG(TPI! ) q! \_qZ\_! \$GF ZMH ! o\_\_ S, FS\ . g: 5§XG SZL DFICTL D\JF IGI T ; DI DAF5: TFJ SZ,  
 KP

VZHNFZ\TFPZ\_q! \_qZ\_! \$GF ZMH V5L, VZHL SZL VZHNFZ\VD\SI FN NOTZL RSF; 6L SZJF H6FJ, G CMJF  
 KTRHFCZ DFICTL VIWSFZLV\HFCZ ZHGF INJ; [V\B, [SIZIJFZGF INJ; [NOTZL RSF; 6L SZJF VU\U\ZDFU\NMZJFGM 5\ F; SZ,  
 KP IGI D D\HA IJGFD\k\ DFICTLGL GS, M D\JF HFCZ DFICTL VIWSFZL IJ~wW SFI N; ZGL SFI "JFCL SZJF H6FJ, KP H\VU\  
 VZHNFZ; NZ TFZLB\ . g: 5§XG SZJF UI, 5ZT\NOTZL SRZL AW CMJFG\H6FJL NOTZL RSF; 6L SI F\IJGF 5ZT OZJ\50I\CTP

HFCZ DFICTL VIWSFZLV\VZHNFZG\ . d5§8 VU\IGI T ; DI DAFSZ, 5: TFJ HMTFVZHNFZ[V5L, DAFVD\SM.  
 . g: 5§XG DFU, G CMJFG\NFJF AFAT\ H6Fj\ S\ VZHNFZ DFICTLGL w\FG\ ZFBL VG\ VFZP8LPVF. PSFI NFGL S, Dv\*s) FGL  
 HMUJF. VMG\w\FG\ZFBL VF5JFDFV\FJ, . g: 5§XG SFI NF ; FY[ ; ] UT K[5ZT]HFCZ DFICTL VIWSFZL TZOYL ZHGF INJ; GM  
 p<, B SFDGF EFZ6 VG[SFDULZIG\w\FG\, . ZHFG\TFZLB H6FJ, KP VFD VZHNFZG\T5F; 6L DF8\ALHL TFZLBGL DJNT VF5L  
 VZHNFZG\H6FJJL HM. VP H\HFCZ DFICTL VIWSFZLV\IGI T ; DI DAFSI "JFCL SZ, G CMI IJGFD\k\ . g: 5§XG 5Z\5F0JFG\ZCP

CSD

VZHNFZGL TFP\_#q\_) qZ\_! \$ GL VZHLYL DAFJFDFV\FJ, DFICTL VUJGM 5: TFJ IGI T ; DI DAFSZ, K[5ZT]  
 TPA . g: 5§XGGL TFZLB V9JFOLI FGF ZHGF INJ; GL CMI VZHNFZ . g: 5§XG SZL XS, GYIP T\YL T\DG\ALHL TFZLBGL DJNT  
 VF5L IJGFD\k\ . g: 5§XG 5Z\5F0JF 0%l B. HGZ VG\HFCZ DFICTL VIWSFZLG\H6FJJFDFV\FJ\KP

HFCZ DFICTL VIWSFZL IJ~wW VZHNFZ[V5L, DAF\ZH\VF T SZ, K[T[VU\VFZP8LPVF. PSFI NFGL S, DvZ\_  
 C9/ T\JL ; tTF ZHI DFICTL VFI MUG\CMI 4 V+YL T\AFAT\SM. CSD SZJFGM ZC\TMGYIP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLP\DPHZLJF, FF  
 V[5[, B VF\0; Z VG[  
 SFI "5F, S . HGZ s5lZD hfGvZFNZf  
 ; ZT DCFGUZ5FI, SP

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG\VM, 0%l B. HGZs5lZD hMGfPPPPPHF6 TYF VD, DF8P  
 szf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG\HGL . HGZzls5lZD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#fVF; LP GF, VF\0; Z VG\VFZP8LPVF. P; [ 5\TPPPPPPHF6 DF8P  
 s\$f zL ZDX SPHFUOL4 T\MGL V5L, VZHL VU[p5ZGL IJUT\GACSD wJFZ SZJFDFV\FJ, IGSF, ; AA HF6 ; F-P

OLPV DPHZLJF, F V 5 ,  8 VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #)5 ___)P OIMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL GP|SMC/WZ/FAP/GR! #\_qZ\_! \$  
 TFPZ\*v! \_vZ\_! \$

VZHNfZ ov zL VDT, F, RN|, F, DC|JFUZF  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|VFSFZ6L VG|J; |, FT VIWSFZLsVFSFZ6L IJEFUfsJ|: 8 hMGf  
 VG|HFCZ DFICTL VIWSFZL VG|N|SFG VG|; \YFVMGF IGZL1FS sU|DF: TF IJEFUfsJ|: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov HI H, FZFD XM5LU ; |j8ZDAVfJ|, L ZFN|Z ZM04 TFOJFOL4; |ZTGL N|SFG GR) DFCZL  
 VM8M UZ|H TYF , SL VM8M UZ|HG|U|DF: TF , F. ; g; GL hZMF GS, TYF D|NF GR! YL  
 ! # AFATP  
 ; "NE"ov V+GL VZHNfZGL TFPZ\*q! \_qZ\_! \$ GL SMC/WZ/FAP/GR! #\_qZ\_! \$P

p5Zf\$T IJQFI VG|; NE" AFAT|H6FJJFG|S|VZHNfZGL TFP! 5q\_)qZ\_! \$GL VZHLYL HI H, FZFD  
 XM5LU ; |j8Z4ZFN|Z ZM04 TFOJFOL N|SFG GR) CIZVMD VM8M UZ|HGL U|DF:TF T|DH JZ|FAL, VU|D|NF GR ! YL ! #GL  
 DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL VG|N|SFG VG|; \YFVMGF IGZL1FSG|; AMWTL VZHL pWGF hMG BFT|  
 SZJFDAVfJ|, P H|pWGF hMG TZOYL 5+ GR ; FPhMGq8\$5\$&4 TFP! )q\_)qZ\_! \$YL IGI T ; DI VJIWDAHFCZ DFICTL  
 VIWSFZL VG|O%| |BL . HGZ J|: 8hMGDA|TANL, SZJFDAVfJ|, P

VZHNfZGL VZHL AFAT|HFCZ DFICTL VIWSFZL VG|VFSFZ6L VG|J; |, FT VIWSFZL TZOYL 5+ GR  
 J|: 8hMGqVfZP8LPVf. P; |, q! \_#\*4 TFP\_! q! \_qZ\_! \$ YL ~FP\*\$qV EZ5F. SZL IGI T ; DI DA|DFICTL D|/JJFGM 5|: TFJ  
 SZ|, KP HI FZ| HFCZ DFICTL VIWSFZL VG| N|SFG VG| ; \YFVMGF IGZL1FS ZFN|Z hMG TZOYL 5+ GR  
 J|: 8hMGqVfZP8LPVf. P; |, q! ! \_! 4 TFP! #q! \_qZ\_! \$YL DFICTL TYF ~FP\_(qV EZL N: TFJ|HL DFICTL D|/JJFGM 5|: TFJ  
 SZ|, KP

VZHNfZ| TFP! &q! \_qZ\_! \$GF ZMH SM. 56 DFICTL VF5JFDAVfJ|, GYL T|J|H6FJL V5L, VZHL  
 SZ|, K|TYF T|D|G\$XfGL J/TZ AFAT|ZH|VFT SZ|, KP J|: 8hMGGF VFSFZ6L TYF U|DF: TFGF HFCZ DFICTL VIWSFZL  
 TZOYL VZHNfZG|IGI T ; DI VJIWDA|DFICTL D|/JJFGM 5|: TFJ SZ|, K|5ZT|VZHNfZ|DFICTL G D?I FGL ZH|VFT w| FG|  
 , |TF VZHNfZ| GF6A EZL DFICTL D|/JL XS|, GYL T|J|H6FI KP VFYL VZHNfZG| HFCZ DFICTL VIWSFZLV| ; NZ  
 5|: TFJGL GS, VZHNfZG|5Go 5ZL 5FOJF H6FJLVp

CJSD

VZHNfZGL TFP! 5q! \_qZ\_! \$ GL VZHLYL DFUJFDAVfJ|, DFICTL HFCZ DFICTL VIWSFZL TZOYL  
 IGI T ; DI VJIWDA 5ZL 5FOJFDAVfJ|, K|T|DH T|VU|GF6A EZLG|N: TFJ|HL GS, M D|/JJFGM 5|: TFJ 56 SZ|, KP  
 VZHNfZG|TGL GS, G D|/, CMJFYL ZH|VFT w| FG|, . TGL GS, 5Go 5ZL 5FOJF INGv\*DAHFCZ DFICTL VIWSFZL VG|  
 N|SFG VG|; \YFVMGF IGZL1FS TYF HFCZ DFICTL VIWSFZL VG|VFSFZ6L VG|J; |, FT VIWSFZL|G|H6FJJFDAVfJ|KP

GRJ|: 8 hMGqVfZP8LPVf. PqGR  
 TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, Ff  
 V|5|, |8 V|f|0; Z VG|  
 SFI "5F, S . HGZ s5lZD hfGvZFN|Zf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJFGf4  
 s! fHFCZ DFICTL VIWSFZL VG|N|SFG VG|; \YFVMGF IGZL1FSs5lZD hMGfPPPPPHF6 TYF VD, DF8P  
 sZFHFCZ DFICTL VIWSFZL VG|VFSFZ6L VG|J; |, FT VIWSFZLs5lZD hMGfPPPPPHF6 TYF VD, DF8P  
 s#fVf; |P GF|D, V|f|0; Z VG|VFZP8LPVf. P; |, 5|TPPPPPPHF6 DF8P  
 s\$F zL VDT, F, RN|, F, DC|JFUZF4 T|MGL V5L, VZHL VU|p5ZGL IJUT|GACSD wJFZF SZJFDAVfJ|, IGsf, ; AA HF6 ; F-P

OLPV[DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4 gl ]ZFNZ ZMO4; [ZT v #)5 ___)P OMGo_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL GP**SMC/WZ/FAP**/GP! #! qZ\_! \$  
 TFPZ\*v! \_vZ\_! \$

VZHNfZ ov zL 5'SHS]DFZ GJGLT, F, 58[

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ . PRFPVF; LP, MPVMO; ZsJ[:8 hMGF

OZLI FNGL CSLST ov

IJQFI ov ISXMZ ZP, LI F sVPJMSBfGL IGD6\$GL ; [F AFAT[DNF GR! YL & GL DFICTL DFUTL  
 VZHL AFATP

; NE"ovs! fV+[GL VZHNfZGL TFPZ\*q! \_qZ\_! \$ GL **SMC/WZ/FAP/GR!** #! qZ\_! \$P  
 sZf U]HZFT ZFHI DFICTL VFI MU V5L, GRVv\_) \_! vZ\_! 5GMJRUF/FG C\$DP

p5ZF\$T IJQFI VG[ ; NE" AFAT[ H6FJJFG]S[ VZHNfZGL TFP\_(q\_(qZ\_! \$ GL VZHLYL ISXMZ  
 ZP, LI F sVPJMSBfGL IGD6\$GL; [F AFAT[DNF GR! YL & GL DFICTL DFUTL VZHL ; [8= hMG BFT[SZJFDFVFEJ, P  
 H[ ; [8= hMG TZOYL IGI T ; DI VJIWDF 5+ GR; PhMGqVEZ8LVF. qHEJSq! 5! )4 TFP! ! q\_(q! \$ YL HFCZ  
 DFICTL VIWSFZL VG[ . PRFP, MPVMO; ZG[ TANL, SZJFDF VFEJ, P TMM TZOYL SFI NF BFT[VFP\$Z)4  
 TFP! &q\_(q! \$YL HTGFXS VIWSFZL sJLPAIPOLP; PIJEFUF BFT[IGI T ; DI VJIWDF TANL, SZJFDF VFEJ, P H[  
 HTGFXS VIWSFZLV[GR5LV[R0LqVF. VMh) \*! 4 TFPZ\_q\_(q! \$ YL 0%l Bl . HGZ VG[HFCZ DFICTL VIWSFZL4 ZFNZ  
 hMGG[IGI T ; DI VJIWDF TANL, SZJFDF VFEJ, P H[ VU[ ZFNZ hMG TZOYL 5+ GRJ[:8hMGqVEZ8LPVF. P; [ q  
 (&\*4 TFP\_Zq\_)qZ\_! \$ YL VZHNfZG[DNF GR! YL \$ VG[& 5Z DFICTL RSF; 6L SZTF ccGL, cc CMJFG]H6FJ[, KP

VZHNfZ[TFPZ\_q! \_q! \$GF ZMH V5L, VIWSFZL VG[SFI "5F, S . HGZ4 J[:8 hMGG[IJ, VAT V5L,  
 VZHL SZJFDF VFEJ, KP VEZP8LPVF. P SFI NFGL S, Dv! )s! f DJHA VZHNfZG[DFICTL G D/L CMI VYJF TM  
 D/[ L DFICTL GFZFHUL AFAT[INGv#\_DFV5L, VZHL SZJFGL HMUJF. KP HDFVZHNfZ[IJ, VAT V5L, VZHL  
 VU[ j]FHAL56]56 ZH]SZJFG]ZC[KP VZHNfZGL VZHL AFAT[56 HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI  
 VJIWDFV+[GF hMGG[, UTL DFICTL 5ZL 5F0JFDFVFEJ, KP HGF DNF GR! YL \$ VG[& DFICTL Z\$0"p5Z p5, aW  
 G CMJFG]H6FJ, K[ VYFT ; NZC]JIS, GL ; [F ZFNZ hMG BFT[ , [FI G CMJFYL T]L NOTZL p5, aW DFICTL  
 VZHNfZG[5ZL 5F0JFDFVFEJ, KP TGF SFZ6[ccGL, cc DFICTL H6FJ, KP VZHNfZ[DNF GR5 DAFDFICTL 5ZL 5F0,  
 GYL T]F ; NE[HFCZ DFICTL VIWSFZL V5L, TASS[H6FJ, S[; NZ SFI "JFCL Dp] SFI NF IJEFU C] SJF8"; 4; [ZT  
 DCFGUZ5FI, SF wJFZF YTL CMI ; NZ DFICTL V+[YL 5ZL 5F0JFGL ZC[TL GYLP VFD VZHNfZG[T]DFGF V+[GF SFI "FF+  
 C] /GF DNFMGL NOTZ[p5, aW CSLST, 1FL DFICTL H6FJ, CMI V5L, TASS[CJ]SM. SFI "JFCL SZJFGL ZC[TL G  
 CMI V5L, VZHL NOTZ[SZJFDFVFEJ]KP

CSD

VZHNZGL TFP\_)q\_(qZ\_! \$ GL VZHLYL DFUJFDFVVFJ, DFICTL HFCZ DFICTL VIWSEZL TZOYL  
IGIT ; DI VJIWDFANOTZL p5, aW CSLST, 1fL DFICTL 5ZL 5F0, CMI 4 V5L, TASSISM. SFI JFCL SZJFGL ZC[TL G  
CMI V5L, VZHL NOTZ[SZJFDFVVFJ]Kp

GRJ: 8 hMGqVFP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

s0LPVDPHZLJF, ff  
V5, B VF0; Z VG  
SFI 5F, S. HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4  
s! fGFI A ; IRJzL4 UHZFT DFICTL VFI MU4SD1 MUL EJG4a, MS GR! 4 ALHMDf/4 IGDF6 EJGGL 5FK/4 ; S8zv! \_vV# UFWL GUZ  
5TPPPPHF6 DF8P  
sZf HFCZ DFICTL VIWSEZL VG. PRFPVF; LP, MPVMO; Zs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
s#fVF; LP GF0, VF0; Z VG[VFP8LPVF. P; j, 5TPPPPPPHF6 DF8P  
s\$F zL 5SHSPFZ GJGLT, F, 58, 4 TMIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDFVVFJ, IGSE, ; AA HF6 ; F~P



OLPV|DPHZLJF, F  
V[5[, ]B VMOL; Z VG[  
SFI "5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OFPAF, F; FCJA N]JZ; ZM04 TFOJFOL4  
gl ]ZFNZ ZM04; ]ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G<sup>SMC/WZ/FAP/GR!</sup> #ZqZ\_! \$  
TFPZ)v! \_vZ\_! \$

VZHNfZ ov zL IG, QFEF. EZTEF. ; ]GJF

; FDFJF/F ov s! f HFCZ DFICTL VIWSFZL VG[0%] ]BL . HGZvJLPV|PDMNLSJ: 8 hMGf  
szf HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLSJ: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ovHFCZ DFICTL VIWSFZL VIWIGI DvZ\_\_5 VTU" DFICTL VF5JF AFATGL VZHLGF  
DNF GR! VG[\* AFATP

; NE"ov V+GL VZHNfZGL TFPZ)q! \_qZ\_! \$ GL <sup>SMC/WZ/FAP/GR!</sup> #ZqZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[ H6FJJFG]S[ VZHNfZ[ HFCZ DFICTL VIWSFZL J: 8hMG  
sZFNZf V: ] D]8 V]0 ZLSJZL IJEFU4 TFOJFOLG[ p<, ]B SZTL VZHL , FH5MZ DwI :Y H[ , VF. POLPGR(\_4  
TFP\_ \$q! \_q! \$GF ZMH VZHL VF5[, P H[ HFCZ DFICTL VIWSFZL VG[; LGLI Z H[ , FH5MZ DwI :Y H[ , TZOYL  
HFGGRq; LH] VFZP8LPVF. Pq! \*55qZ\_! \$ YL HFCZ DFICTL VIWSFZL VG[; ]ZT DCFGUZ5FI, SF J: 8hMG sZFNZ  
hMGf V: ] D]8 V]0 ZLSJZL IJEFU4 TFOJFOLG[ TANL, SZJFDF\ VFJ[, P H[ V+ [ J: 8hMG VF. POLPGR& ) (4  
TFP\_(q! \_q! \$ YL D/[, KP HGF VG[ WFG[ ZFNZ hMG TZOYL 5+ GRJ: 8hMGq VFZP8LPVF. P; ] q! ! Z54  
TFP! 5q! \_q! \$ TDH 5+ GR J: 8hMGq VFZP8LPVF. P; ] q! ! ) ) 4TFP#\_q! \_q! \$ YL : , D IJEFUG[ VFIXS TANL,  
SZJFDF\ VFJ[, KP H[ ZFNZ hMGGF H]NF H]NF IJEFUG[ : 5X"TL DFICTL HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[  
J; ], FT VIWSFZL4 5l`RD hMGsZFNZf TZOYL 5+ GRJ: 8hMGq VFZP8LPVF. P; ] q! ! # \$4 TFP! &q! \_qZ\_! \$ YL DNF  
GR! GL DFICTL 5ZL 5FOJFDF\ VFJ[, KP HI FZ[ DNF GR Z YL \* AFAT[V+GL SRZLG[ , FU] 50TL GYLP XCZ IJSF;  
IJEFU TZOYL 5+ GRJ: 8hMGq VFZP8LPVF. P; ] q! Z\_54 TFP#\_q! \_qZ\_! \$ YL DFICTL 5ZL 5FOJFDF\ VFJ[, KP

VZHNfZ[ TFPZ! q! \_qZ\_! \$GF ZMH V5L, VIWSFZLzL VG[ SFI "5F, S . HGZzL 5l`RD  
hMGsZFNZfG[; AMWTL 5YD V5L, VZHL SZ[, KP HYL ; NZ VZHNfZ[ DNF GR! GL DFICTL 5ZL 5FO[, K[ VG[  
AFSLGF DNF GRZ YL \* AFATGL IJUT 5ZL 5FOJF H6FJ[, KP

VZHNfZG[ HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZL TZOYL DNF GR!  
TDH HFCZ DFICTL VIWSFZL VG[0%. HGZ 5l`RD hMGsZFNZf TZOYL DNF GRZ VG[# GL DFICTL 5ZL 5FOJFDF\  
VFJ[, KP VFYL V5L, ; NE[V+YL SM. SFI "JFCL SZJFGL ZC[TL GYLP

CSD

VZHNZGL TFP\_\$q! \_qZ\_! \$ GL VZHLYL DFUJFDFVFEJ, DFICTL DNF GR! YL \* 5SL DNF  
GR! 4Z4# GL DFICTL HFCZ DFICTL VIWSFZL TZOYL 5ZL 5F0JFDFVFEJ, KP VFYL V5L, VZHL VU[SM. SFI"JFCL  
SZJFGL ZC[TL GYLP VFYL V5L, VZHL NOTZ[SZJFDFVFEJ[KP

GRJ: 8 hMGqVFEZP8LPVF. PqGR  
TFZLBov v vZ\_! \$P

s0LPVDPHZLJF, ff  
V5[, B VF10; Z VG[  
SFI '5F, S . HGZ s5IzD hfGvZFNZf  
; ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! fhfcz DFICTL VIWSFZL VG[0%l Bl . HGZ40LPJLPRFWZls5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzl VG[HJL . HGZzls5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD,  
DF8P  
s#f HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLzlsVFSFZ6L IJEFUfPPPPPHF6 TYF VD, DF8P  
s\$fvf; LP GFp, VF10; Z VG[VFEZP8LPVF. P; [, 5]TppppppHF6 DF8P  
s5f V5L, VIWSFZL VG[SFI '5F, S . HGZzls:, D V5UpXG ; [, fppppppHF6 DF8P  
s&f zL IG, pf EZTEF. ; GJF4 T[MGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDFVFEJ, IGSE, ; AA HF6  
; F~P

OLPV|DPHZLJF, F  
V|5[, |8 VMOL; Z VG|  
SFI '5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lÜD hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJF0L4  
gl |ZFN|Z ZM04; |ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GR! ##qZ\_! \$  
TFP\_#v! ! vZ\_! \$

VZHNfZ ov zL X| |DFEF. C; D|BEF. 5RF, sV|DL8ZF4C/O. VWF SFG|Gs; Fw| N|GS gl |hf  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|VM, 0%| |BL . HGZsCfp; LU IJEFUfsJ|: 8 hMGf

OZLI FNGL CSLST ov

IJOFI ov ; |ZT DCFGUZ5FI, SF BFT|K|, F 5FR JOFYL RF, L ZC|, HFCZ AFWSFDM S|H|; |ZTGL  
HFCZ HGTFG|ICTFY|, MSF5% SZJFDFV|JGFZ K|T|JF AFWSFDMGL I FN|VM TYF RF, L  
ZC|, AFWSFDMGF JMO'IJ: TFZ 5|DF6|: Y/M; FYGL IJUTJFZ DFICTL TYF Vg| DNF  
GR! YL!! AFATP

; NE" ov V+|GL VZHNfZGL TFP\_#q! ! qZ\_! \$ GL SMC/WZ/FAP/GR! ##qZ\_! \$P

p5Zf|ST IJOFI VG| ; NE" AFAT| H6FJJFG| S| VZHNfZGL TFP\_5q\_\*qZ\_! \$GL VZHLYL ; |ZT  
DCFGUZ5FI, SFGF HFCZ AFWSFDMGL K|, F 5FR JOFYL RF, TF CMI VG|, MSF5% SZJFDFV|JGFZ CMI T|GL DNF GR!  
YL!! GL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL ; |ZT DCFGUZ5FI, SFG|; AMWTL Dw| :Y SRZL BFT|VF5JFDF  
VFJ|, P H| Dw| :Y SRZL TZOYL 5+ GR; lq! &\_(4 TFP\_Zq\_(qZ\_! \$YL 0%| |BL . HGZ TDFD hMG4 A|H; |, VG|  
Cfp; LUG|TANL, SZJFDFV|J|, P H|VU|HFCZ DFICTL VIWSFZL TZOYL VZHNfZG|SM. DFICTL 5ZL 5F0|, H6FTL  
GYLP

VZHNfZ| TFP! #q\_(qZ\_! \$GF ZMH V5L, VIWSFZL4 ; |ZT d| |GI; 5, SM5MZ|XGG| V5L, VZHL  
SZ|, KP H| Dw| :Y SRZL BFT| :JLSFZ|, KP Dw| :Y SRZL TZOYL 5+ GR; lqZ\*Z#4 TFP\_! q! ! qZ\_! \$YL V5L,  
VIWSFZL VG| SFI '5F, S . HGZsCF. OM, S|C|D JMBZ JS"; qOG|HqVFZOL0q: 8|8, F. 8qA|H; |, qCfp; LUq5L5LHlq; , D  
V5U|XG ; |, qALVFZ8LV|: 48H0S4JSXIM54TDFD hMGfG|TANL, SZJFDFV|J|, KP H|V+GF hMGG|56 D/|, KP  
V5L, TASS| 56 HFCZ DFICTL VIWSFZL TZOYL VZHNfZG| V+GF SFI '1f|+ C|/GL DFICTL HFCZ DFICTL  
VIWSFZLV|5ZL 5F0|, GYLP T|YL VZHNfZG|VFJL DFICTL IJGFD|I 5ZL 5FOJFGL ZCP

C|SD

VZHNfZGL TFP\_5q\_\*qZ\_! \$GL VZHLYL DFUJFDFV|J|, DFICTL HFCZ DFICTL VIWSFZL TZOYL  
5ZL 5FOJFDFV|J|, G CMI VFZP8LPVF. PV|S8GL S, Dv\*s&f C|/ IJGFD|I INGv\*DF5ZL 5FOJF 0%| |BL . HGZ  
VG|HFCZ DFICTL VIWSFZL Cfp; LU IJEFU ZFNZ hMGG|H6FJJFDFV|J|KP

GRJ|: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
V|5[, |8 VF|0; Z VG|  
SFI '5F, S . HGZ s5lzd hfGvZFN|Zf  
; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! fHFCZ DFICTL VIWSFZL VG|VM, 0%| |BL . HGZs5lzd hMGfPPPPPHF6 TYF VD, DF8P  
szf DNGLX HFCZ DFICTL VIWSFZL VF; IP. HGZzl VG|H|GL . HGZzls5lzd hMGvZFN|ZfXCZ IJSF; PPHF6 TYF VD, DF8P  
s#fVF; IP GF|, VF|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s\$F zL X| |DFEF. C; D|BEF. 5RF, TM|GL V5L, VZHL VU|p5ZGL IJUTG|ACSD wJFZF SZJFDFV|J|, IGSF, ; AA HF6 ; F-P

OLPV\DPHZLJF, F V[5], [8 VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5IüD hMG sZFNZf OFPAF, F; FCJA N[UZ; ZM04 TFOJFOL4 gl ] ZFNZ ZM04; [ZT v #) 5 ___) P OMG0_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G<sup>SMC/WZ/FAP</sup>/GP! #5qZ\_! \$  
 TFP! \_v! ! vZ\_! \$

VZHNfZ ov zL IJGMNEF. 5[DHLEF. S8FZLI F  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZsHPSPRF\WZLfsJ]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ZFDGUZ BFT[8pZFD VFzDGL ; FDUF/L ID<STDFCF, DFYTF\AFWSFD TYF Vgl  
 DNF GR! YL ( AFATP  
 ; NE"ov V+GL VZHNfZGL TFP! \_q! ! qZ\_! \$ GL <sup>SMC/WZ/FAP</sup>/GP! #5qZ\_! \$P

p5ZFST IJQFI VG[; NE" AFAT[H6FJJFG]S[VZHNfZGL TFP! 5q\_)qZ\_! \$GL VZHLYL ZFDGUZ  
 BFT[8pZFD VFzDGL ; FDUF/L ID<STDFCF, DFYTF\AFWSFD TYF Vgl DNF GR! YL (GL DFICTL DFUTL VZHL  
 ; [8= hMG BFT[SZJFDF\VFJ], P H[; [8= hMG TZOYL 5+ GR; PhMGqVFZ8LVF. qHEJSq! )Z&4 TFP! &q\_)qZ\_! \$YL  
 0%l ]BL . HGZ ZFNZ hMG TYF I, XFI T hMGG[TANL, SZJFDF\VFJ], P H[ VU[ HFCZ DFICTL VIWSFZL TZOYL 5+  
 GRJ]: 8hMGqVFZP8LPVF. Pq! \_(#4TFP! \_q! \_q! \$YL IGI T ; DI VJIWDF\ VZHNfZG[; NZ ID<STGL VM/B H[UL S[  
 8LP5LP:SLD GAZ4 OFI G, %, MB GAZ4 ; A %, MB GAZ IJUZ[H6F]I [YL DFICTL 5ZL 5F0JFGL T[ FZL NXFJ], L KP

H[VU[VZHNfZ[TFP\_5q! ! q! \$GF ZMH Dwl :Y SRZL BFT[dI ]GPSIDxGZzL VG[V5L, VIWSFZLG[  
 ; AMWTL 5YD V5L, VZHL SZJFDF\VFJ], P H[Dwl :Y SRZL TZOYL 5+ GROLq\*\*\_4TFP\_5q! ! q! \$ YL ZFNZ  
 hMGG[TANL, SZJFDF\VFJ], P VZHNfZ[V5L, DF\DNF GR! YL \*DF ; NZ ID<STGL VM/B H[UL S[8LP5LP:SLD GAZ4  
 OFI G, %, MB GAZ4 ; A %, MB GAZ IJUZ[H6F]I [YL DFICTL 5ZL 5F0L XSF\X[V], [VDM VZHNfZG[VFJF pOFJ4 5FI F  
 IJCM6F HJFA VF5[, 4VFGFYL VU]: 508 YFI K[S[5I' RD hMGsZFNZf E[8FRFZYL ANANT], FU[K[TU]H6FJ], KP  
 VZHNfZG[DFUJFDF\VFJ], DFICTL XCZ IJSF; IJEFU TZOYL ID<ST VM/BF6 VU[IJUTM 5ZL 5F0JF H6FJ], KP  
 H[VU[VZHNfZ TZOYL ID<ST VM/BF6 ; 'NuW DFICTL AFAT[SM. :508TF SZJFDF\VFJ], GYLP H[YL V5L, VZHL  
 VU[SM. SFI "JFCL SZJFGL ZC[TL GYLP

CJSD

VZHNfZGL TFP! 5q\_)q! \$ GL VZHLYL DFUJFDF\VFJ], DFICTL AFAT[VZHNfZ[ID<ST VM/BF6  
 VU[SM. :508TF SZJFDF\VFJ], GYLP H[YL V5L, VZHL VU[SM. SFI "JFCL SZJFGL ZC[TL G CMI 4 V5L, VZHL  
 NOTZ[SZJFDF\VFJ]KP

GRJ]: 8 hMGqVFZP8LPVF. PqGR  
 TFZLBo v vZ\_! 5P

sOLPV\DPHZLJF, FF  
 V[5], [8 VF[0; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJFGF4  
 s! fHFCZ DFICTL VIWSFZL VG[0%l ]BL . HGZ4 HPSPRF\WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[H]GL . HGZzLs5IzD hMGvZFNZfXFCZ IJSF; PPHF6 TYF VD, DF8P  
 s#fVF; LP GFD, VF[0; Z VG[VFZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$f zL IJGMN 5[DHLEF. S8FZLI F4 TMIGL V5L, VZHL VU[p5ZGL IJUT[GAC]SD wJFZ SZJFDF\VFJ], IGSF, ; AA HF6 ; F~P

OLPV|DPHZLJF, F  
V|5[, |B VMOL; Z VG|  
SFI "5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5lüd hMG sZFN|Zf  
OFPAF, F; FC|A N|JZ; ZM04 TFOJFOL4  
gl |ZFN|Z ZM04; |ZT v #)5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G|SMC/WZ/FAP/GP! #&qZ\_! \$  
TFP! \_v! !vZ\_! \$

VZHNfZ ov zL GZ|XEF. V|GPAYJFZ

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG| GFI A VFZMuI VIWSFZlsJ|: 8 hMGf VG|  
HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZs; LPALPJ; FJffsJ|: 8 hMGf

OZLI FNGL CSLST ov

; NE"ov V+|GL VZHNfZGL TFP! \_q! !qZ\_! \$ GL SMC/WZ/FAP/GP! #&qZ\_! \$P

p5ZF\$T ; NE" AFAT| H6FJJFG| S| VZHNfZGL TFP\_ \*q! !qZ\_! \$ GA ZMH GD|GF ccHccGL V5L,  
VZHL Dwl :Y SRZL BFT| SZJFDA VFJ|, P H| 5+ GROLq\*\* (\$4TFP\_ \*q! !qZ\_! \$ YL V+|GF J|: 8hMGG| TANL,  
SZJFDA VFJ|, P H|V+|GF hMGDF|V5L, VZHL G|SMC/WZ/FAP/! #&4 TFP! \_q! !qZ\_! \$ YL GMMF| |, P H|GL ; FY|  
IAOF6 SZJFDA VFJ|, GD|GMS VG|GD|GMU ZH|SZJFDA VFJ|, P H|AG| V, UvV, U VF. POLPYL GMMF| |, CMI 4  
VZHL ; FY| ; | UT G CMI 4 V5L, VZHL VU|SM. SFI "JFCL SZJFGL ZC|TL GYLP

C|SD

VZHNfZGL TFP\_ \*q! !qZ\_! \$ GL V5L, VZHL ; FY|ZH|SZ|, 5+m ; | UT G CMI 4 V5L, VZHL  
NOTZ|SZJFDA VFJ|K|P

GRJ|: 8 hMGqVfZP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, Ff  
V|5[, |B V|f|0; Z VG|  
SFI "5F, S . HGZ s5IzD hfGvZFN|Zf  
; |ZT DCFGUZ5FI, SFP

GS, ZJGF4

s! fHFCZ DFICTL VIWSFZL VG|GFI A VFZMuI VIWSFZls5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZfHFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ4 ; LPALPJ; FJfs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
s#FDNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|H|GL . HGZzls5IzD hMGvZFN|ZfXCZ IJSE; PPHF6 TYF VD,  
DF8P  
s\$fVF; LP GFD, V|f|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
s5fzL GZ|XEF. V|GPAYJFZ4 T|MIGL V5L, VZHL VU|p5ZGL IJUT|G|FC|SD wJFZF SZJFDA VFJ|, IGSF, ; AA HF6 ; F-P

OLPV DPHZLJF, F V[5[, [8 VMOL; Z VG[ SFI '5F, S . HGZ		; [T DCFGUZ5FI, SF 5IüD hMG sZFN[Zf OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4 gl ]ZFNZ ZMO4; [T v #)5 ___)P OMGo_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GP! #\*qZ\_! \$  
 TFP! #v! ! vZ\_! \$

VZHNfZ ov zL HI 8FS

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%l [BL . HGZsH[PSPRF[WZLfsJ]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ; [T DCFGUZ5FI, SFGF ZFNZ hMGGF ZFDGUZ IJ: TFZDFADZ, LWZ V[5F8Dj8GL  
 AFH]DF4 ; T 8pZFD VfzDGL ; FD[RF, L ZC[, AFWSFD AFATP

; NE"ov V+GL VZHNfZGL TFP! #q! ! qZ\_! \$ GL SMC/WZ/FAP/GP! #\*qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZGL TFPZZq\_)qZ\_! \$GL VZHLYL ; [T  
 DCFGUZ5FI, SFGF ZFNZ hMGGF ZFDGUZ IJ: TFZDFADZ, LWZ V[5F8Dj8GL AFH]DF4 ; T 8pZFD VfzDGL ; FD[RF, L  
 ZC[, AFWSFDGL DFICTL DFUTL VZHL ZFNZ hMG BFT[ SZJFDF VEFJ, P H[ VU[ HFCZ DFICTL VIWSFZL VG[0%l [BL  
 . HGZ TZOYL 5+ GR J[: 8hMGqVfZP8LPVF. Pq! ! Z\_4 TFP! \$q! \_qZ\_! \$YL IGI T ; DI VJIWDF\ VZHNfZG[ ; NZ  
 ID<STGL VM/B H[UL S[8LP5LP: SLD GAZ4 OFI G, %, MB GAZ4 ; A %, MB GAZ IJUJZ[H6fjI [YL DFICTL 5ZL 5F0JFGL  
 T[ FZL NXFJ], L KP

H[VU[VZHNfZ[TFP! #q! ! q! \$GF ZMH V; TMOSEZS HJFA VF5JFYL SFI '5F, S . HGZ VG[V5L,  
 VIWSFZLzLG[; AMWTL 5YD V5L, VZHL SZJFDF VEFJ, P VZHNfZG[DFUJFDF VEFJ, DFICTL XCZ IJSF; IJEFU  
 TZOYL ID<ST VM/BF6 VU[IJUTM5ZL 5F0JF H6fJ, KP H[VU[VZHNfZ TZOYL ID<ST VM/BF6 ; INuW DFICTL  
 AFAT[SM. :5Q8TF SZJFDF VEFJ, GYLP H[YL V5L, VZHL VU[SM. SFI 'JFCL SZJFGL ZC[TL GYLP

CSD

VZHNfZGL TFPZZq\_)q! \$ GL VZHLYL DFUJFDF VEFJ, DFICTL AFAT[ VZHNfZ[ID<ST VM/BF6  
 VU[SM. :5Q8TF SZJFDF VEFJ, GYLP H[YL V5L, VZHL VU[SM. SFI 'JFCL SZJFGL ZC[TL G CMI 4 V5L, VZHL  
 NOTZ[SZJFDF VEFJ]KP

GRJ: 8 hMGqVfZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
 V[5[, [8 V[10; Z VG[  
 SFI '5F, S . HGZ s5IzD hfGvZFNZf  
 ; [T DCFGUZ5FI, SFP

GS, ZJFG4  
 s! fHFCZ DFICTL VIWSFZL VG[0%l [BL . HGZ4 H[PSPRF[WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HJGL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#fVF; LP GF, V[10; Z VG[VfZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$f zL HI 8FS4 TMIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDF VEFJ, IGSF, ; AA HF6 ; F-P

OLPV|DPHZLJF, F  
V[5[, [8 VMOL; Z VG[  
SFI '5F, S . HGZ



; [T DCFGUZ5FI, SF  
5lÜD hMG sZFN[Zf  
OFPAF, F; FCJA N[UZ; ZM04 TFOJF0L4  
gl ]ZFNZ ZM04; [T v #)5 \_\_\_)P  
OMGo\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL G<sup>S</sup>SMC/WZ/FAP/GP! #\*qZ\_! \$  
TFP! #v! ! vZ\_! \$

VZHNfZ ov zL HI 8FS

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ 0%| [BL . HGZsH|PSPRFWZLfsJ[: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ; [T DCFGUZ5FI, SFGF ZFNZ hMGGF ZFDGUZ IJ: TFZDFADZ, LWZ V[5F8D[8GL  
AFH]DF4 ; T 8pZFD VFzDGL ; FD[RF, L ZC[, AFWSFD AFATP

; NE" ov V+GL VZHNfZGL TFP! #q! ! qZ\_! \$ GL SMC/WZ/FAP/GP! #\*qZ\_! \$P

p5ZFST IJQFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZGL TFPZZq\_)qZ\_! \$GL VZHLYL ; [T  
DCFGUZ5FI, SFGF ZFNZ hMGGF ZFDGUZ IJ: TFZDFADZ, LWZ V[5F8D[8GL AFH]DF4 ; T 8pZFD VFzDGL ; FD[RF, L  
ZC[, AFWSFDGL DFICTL DFUTL VZHL ZFNZ hMG BFT[ SZJFDF VEFJ, P H[ VU[ HFCZ DFICTL VIWSFZL VG[ 0%| [BL  
. HGZ TZOYL 5+ GR J[: 8hMGqVFP8LPVF. Pq! ! Z\_4 TFP! \$q! \_qZ\_! \$YL IGI T ; DI VJIWDF VZHNfZG[ ; NZ  
ID<STGL VM/B H[UL S[8LP5LP: SLD GAZ4 OFI G, %, MB GAZ4 ; A %, MB GAZ IJUZ[ H6fjI [YL DFICTL 5ZL 5F0JFGL  
T[ FZL NXFJ], L KP

H[ VU[ VZHNfZ[ TFP! #q! ! q! \$GF ZMH V; TMOSEZS HJFA VF5JFYL SFI '5F, S . HGZ VG[ V5L,  
VIWSFZLzLG[; AMWTL 5YD V5L, VZHL SZJFDF VEFJ, P VZHNfZG[ DFUJFDF VEFJ, DFICTL XCZ IJSF; IJEFU  
TZOYL ID<ST VM/BF6 VU[IJUTM 5ZL 5F0JF H6fJ, KP H[ VU[ VZHNfZ TZOYL ID<ST VM/BF6 ; INuW DFICTL  
AFAT[SM. :508TF SZJFDF VEFJ, GYLP H[YL V5L, VZHL VU[SM. SFI 'JFCL SZJFGL ZC[TL GYLP

CSD

VZHNfZGL TFPZZq\_)q! \$ GL VZHLYL DFUJFDF VEFJ, DFICTL AFAT[ VZHNfZ[ ID<ST VM/BF6  
VU[SM. :508TF SZJFDF VEFJ, GYLP H[YL V5L, VZHL VU[SM. SFI 'JFCL SZJFGL ZC[TL G CMI 4 V5L, VZHL  
NOTZ[SZJFDF VEFJ] KP

GRJ[: 8 hMGqVFP8LPVF. PqGR  
TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
V[5[, [8 V[10; Z VG[  
SFI '5F, S . HGZ s5IzD hfgvZFNZf  
; [T DCFGUZ5FI, SFP

GS, ZJGF4  
s! fHFCZ DFICTL VIWSFZL VG[ 0%| [BL . HGZ4 HPSPRFWZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
sZF DNNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[HJGL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
s#fVF; LP GFD, V[10; Z VG[VFP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
s\$f zL HI 8FS4 TMIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDF VEFJ, IGSF, ; AA HF6 ; F-P

OLPV[DPHZLJF, F V[5[, [B VMOL; Z VG[ SFI "5F, S . HGZ		; [ZT DCFGUZ5FI, SF 5lÜD hMG sZFN[Zf OFPAF, F; FCJA N[UZ; ZMO4 TFOJFOL4 gl ]ZFNZ ZMO4; [ZT v #)5 ___)P OMGo_Z&! vZ* (&! (! v(Zv(#
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V5L, VZHL GP~~SMC/WZ/FAP~~/GP! #(qZ\_! \$  
 TFP! #v! ! vZ\_! \$

VZHNfZ ov zL HI 8FS

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ 0%l [BL . HGZsOLPJLPRF[WZLfsJ]: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov ZFNZ hMGDA\VFJ[, 8LP5LP! \$ TYF OF. G, %, MB GRZ! 458[, 5FSGL AFHJDF4 ZFNZ4  
 ; [ZTJF/L HDLG H[G]J6G ; J[G]GAZ TYF a, MS GAZ KP ; ZSFZzL TZOYL ; 5FNG  
 , [JFDF4 D[S]JFDF\VFJ[, CMI H[GL CF, GL I:YIT HMTFRPPJU[Z]GL DFICTL AFATP

; NE"ov V+[GL VZHNfZGL TFP! #q! ! qZ\_! \$ GL ~~SMC/WZ/FAP~~/GP! #(qZ\_! \$P

p5ZF\$T IJQFI VG[ ; NE" AFAT[ H6FJJFG\ S[ VZHNfZGL TFPZ&q\_)qZ\_! \$GL VZHLYL ZFNZ  
 hMGDA\VFJ[, 8LP5LP! \$ TYF OF. G, %, MB GRZ! 4 58[, 5FSGL AFHJDF4 ZFNZ4 ; [ZTJF/L HDLG H[G]J6G ; J[G]GAZ  
 TYF a, MS GAZ KP ; ZSFZzL TZOYL ; 5FNG , [JFDF4 D[S]JFDF\VFJ[, CMI H[GL CF, GL I:YIT HMTFRPPJU[Z]GL DFICTL  
 DFUTL VZHL ZFNZ hMG BFT[ SZJFDF\VFJ[, P H[ VU[ HFCZ DFICTL VIWSFZL VG[ 0%l [BL . HGZ TZOYL 5+ GR  
 J]: 8hMGqVfZP8LPVF. Pq! ! # (4 TFP! &q! \_qZ\_! \$YL IGI T ; DI VJIWDA\ VZHNfZG[ DFICTL 5ZL 5FOJFDF\VFJ[,  
 KP

H[VU[VZHNfZ[TFP! #q! ! q! \$GF ZMH V; VMOFSFZS HJFA VF5JFYL SFI "5F, S . HGZ VG[V5L,  
 VIWSFZLzLG[; AMWTL 5YD V5L, VZHL SZJFDF\VFJ[, P 5ZT]S. DFICTL AFAT[SI F 51F AFAT[; VMOFSFZS HJFA  
 D/, GYL T[VU[SM. 5J]TF V5L, 5+DA[SZ], GYLP H[YL V5L, VZHL VU[SM. IJXQF SFI "JFCL SZJFGL ZC[TL  
 GYLP

CSD

VZHNfZGL TFPZ&q\_)q! \$ GL VZHLYL DFUJFDF\VFJ[, DFICTL HFCZ DFICTL VIWSFZL VG[ 0%l [BL  
 . HGZ TZOYL IGI T ; DI VJIWDA\5ZL 5FOJFDF\VFJ[, CMI 4 V5L, VZHL VU[SM. IJXQF SFI "JFCL SZJFGL ZC[TL  
 G CMI 4 V5L, VZHL NOTZ[SZJFDF\VFJ]KP

GRJ: 8 hMGqVfZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPVDPHZLJF, Ff  
 V[5[, [B V[10; Z VG[  
 SFI "5F, S . HGZ s5IzD hfGvZFNZf  
 ; [ZT DCFGUZ5FI, SFP

GS, ZJGF4  
 s! fHFCZ DFICTL VIWSFZL VG[ 0%l [BL . HGZ4 H[PSPRF[WZLs5IzD hMGfPPPPPHF6 TYF VD, DF8P  
 sZf DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG[H]GL . HGZzLs5IzD hMGvZFNZfXCZ IJSF; PPHF6 TYF VD, DF8P  
 s#fVF; LP GF, V[10; Z VG[VfZP8LPVF. P; [ 5]TPPPPPPHF6 DF8P  
 s\$F zL HI 8FS4 T[MGL V5L, VZHL VU[p5ZGL IJUT[GRCSD wJFZF SZJFDF\VFJ, IGSF, ; AA HF6 ; F-P



OLPV DPHZLJF, F V 5 ,  B VMOL; Z VG  SFI "5F, S . HGZ		;  ZT DCFGUZ5FI, SF 5lÜD hMG sZFN Zf OFPAF, F; FC A N JZ; ZM04 TFOJFOL4 gl  ZFN Z ZM04;  ZT v #) 5 ___)P OIMG0_Z&! vZ*( &! (! v(Zv(#
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V5L, VZHL GP|SMC/WZ/FAP/GR! #) qZ\_! \$  
 TFP! #v! ! vZ\_! \$

VZHNfZ ov zL X|B . SAF, D|XLZ  
 ; FDFJF/F ov HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ40LPJLPRF|WZ|sXCZ| IJSF; fsJ|: 8 hMGf  
 OZLI FNGL CSLST ov

IJQFI ovZFNZ UFDT/48LSF GR54DSFG GR5#\_4TFxSN C|B, GL ; FD|H|U|fpg0 ^ 5 DF/G|  
 AFWSFD SZL ZC| F K|m JUZ| ID<STGF DNF GR! YL # AFATP  
 ; NE"ovV+|GL VZHNfZGL TFP! #q! ! qZ\_! \$ GL SMC/WZ/FAP/GR! #) qZ\_! \$P

p5ZF\$T IJQFI VG| ; NE" AFAT| H6FJJFG| S| VZHNfZGL TFP! ! q\_ (qZ\_! \$ GL VZHLYL ZFNZ  
 UFDT/4 8LSF GR54DSFG GR5#\_4TFxSN C|B, GL ; FD|H|U|fpg0 ^ 5 DF/G|AFWSFD DHZ SZJFDF|VFJ|, K|T|AFAT|  
 DNF GR! YL #GL DFICTL DFUTL VZHL HFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ ZFNZ hMG| ; |AMWTL VZHL  
 SZJFDF| VFJ|, P HGF VG|; WFG| HFCZ DFICTL VIWSFZL TZOYL 5+ GR J|: 8hMGq|VFZP8LPVF. P; |, q (\*\*4  
 TFP\_\$q\_) qZ\_! \$ YL VZHNfZG| IGI T ; DI VJIWDF ; NZC| DFICTL DNF GR! AFAT| 8LSF GR54 DSFG GR5#\_  
 DFICTL RSF; 6L SZTF p5, aW GYL TYF ; |BZIJhG SZGFZG|GFD H6FJJFDF|VFJ|, KP DNF GRZ . d5\$8 OL EZJF  
 DF8| VFJ|, K| HGL DHZL VU|GL SFI "JFCL CF, 5|UITDF|K|TYF DNF GR# 8LP5LP#\_4VDP5LPGR! Z\$GF ; A %, MB  
 GR! 4Z4#4\$ UF/FGL OF. , . d5\$8 OL VU|ZH|SZJFDF|VFJ|, 45ZT|NOTZ|SZJFDF|VFJ|, KP VFD VZHNfZG| IGI T  
 ; DI VJIWDF DFICTL 5ZL 5F0JFDF|VFJ|, KP

HGF VG|; WFG| VZHNfZ| TFP! #q! ! q! \$GF ZMH 5YD V5L, VZHL SFI "5F, S . HGZ J|: 8hMG|  
 ; |AMWTL V5L, VZHL SZ|, KP V5L, VZHLDF|V5L, G|SFZ6 HJFAv! DF|HZLJF, F ; FC|AGF SFI "f|+ DF|VFJ|K|  
 BFT|SD pWT|ZC| | IODM, LXG DF8|GMBL; |SD GCLm GFZFH Y. V5L, VZHL SZ|, KP

C|SD

VZHNfZGL TFP! ! q\_ (qZ\_! \$ GL VZHLYL DFUJFDF|VFJ|, DFICTL 5\$L DNF GR! DFICTL NOTZL  
 p5, aW GYL HI FZ|SFI "5F, S . HGZGF N|BZ|B C9/ 0%| |BL . HGZ4 H|GI Z . HGZ|DFICTL VF5|, KP H|VU|SM.  
 SFI "JFCL SZJFGL ZC|T|GYLP V5L, VZHL NOTZ|SZJFDF|VFJ|K|

GRJ|: 8 hMGq|VFZP8LPVF. PqGR  
 TFZLBov v vZ\_! 5P

sOLPV|DPHZLJF, FF  
 V|5|, |B V|f|0; Z VG|  
 SFI "5F, S . HGZ s5|zD hfGvZFN|Zf  
 ; |ZT DCFGUZ5FI, SFP

GS, ZJFG4  
 s! fHFCZ DFICTL VIWSFZL VG|0%| |BL . HGZ40LPJLPRF|WZ|s5|zD hMGfPPPPPHF6 TYF VD, DF8P  
 sZF DNGLX HFCZ DFICTL VIWSFZL VF; LP. HGZzL VG|HGL . HGZs5|zD hMGvZFN|ZfXCZ| IJSF; PPHF6 TYF VD,  
 DF8P  
 s#fVF; LP GFD, V|f|0; Z VG|VFZP8LPVF. P; |, 5|TPPPPPPHF6 DF8P  
 s\$f zL X|B . SAF, D|XLZ4 T|V|NGL V5L, VZHL VU|p5ZGL IJUT|GRC|SD wJFZF SZJFDF|VFJ|, IGSE, ; AA HF6 ; F-P