: OXXO^R E'ASWYX]\$

## 0"01/!#1

8X K \OMOX^ K\^SMVO\ ?\YPO]]Y\] KXN @O]^K^OWOX^ @OZY\^O\] =Y\K 5\OOWKX 4XQ]^\YW KXN < \$MRKOV 3' 6\OOX ]^\YXQVc NOXc ^RK^ ^Y\^ ^ROY\c \$] \_]OP\_V \$X ^RO M\KP^SXQ YP @O]^K^OWOX^]' BROC KV]Y NOXc ^RK^ ^Y\^ ^ROY\c RK] RKN W\_MR \_]OP\_V ^Y YPPO\ ^Y T\_NQO] aRY PY\W\_VK^O KXN \O`\$]O ^Y\^ NYM^\\$XO' OV^RY\_QR ]YWO YP ^ROS\ M\\$^\$M\$]W] RK`O WO\\$^ a \$^R \O]ZOM^ ^Y ]YWO ^cZO] YP ^Y\^ ^ROY\c \N^ROS\ MOX^\KV K\Q\_WOX^ \$] \_XZO\]\_K]\$`O' >XO ZO\`K]\$`O U\$XN YP ^Y\^ ^ROY\c \$] \$XNOON Ob^\OWOVC `KV\_KLVO e XKWOVC\ K ^ROY\C ^RK^ \$NOX^\$P\$O] ^RO XY\WK^\$`O Z\\$XM\$ZVO] ^RK^ T\_]^\$Pc ^Y\^ NYM^\\$XO' BY LO ZVK\_]\$LVO\ ^RK^ XY\WK^\$`O ^ROY\C W\_]^ LO ZV\_\KV\$]^\$M KXN W\_]^ OXMYWZK]] K \KXQO YP N\$]^\$XM^ \\$QR^]\ Z\\$XM\$ZVO]\ KXN `KV\_P'\$AK\\$\8M8K'XA\\$\8\]\K?@\"\AK\\$K@M8K'XA\\$\8\]\K]8\@'?K'XAKRK\\$K'\$AXNN'KAK\\$NMN\\$

2' AYWO VOQKV ^ROY\SO] K\O ^YY KL]^\KM^ ^Y Z\Y`SNO NYM^\SXKV O SNKXMO

?K\^ 888'  $7 \text{ Y a } ^ROY\c S] \OVO`KX^ ^Y T_NSMSKV YZSXSYX]$ 

- O' ?\SXMSZVO] YP^OX ZVKc KX ObZVSMS^\YVO
- 1' @OVSKXMO YX W\_V^SZVO Z\SXMSZVO] S] T\_]^SPSKLVO
- 2' ?\SXMSZVO] YP^OX ZVKc K RS]^Y\SMKV Y\ LKMUQ\Y\_XN \YVO

 $?K\^8D'$   $7Ya\^ROY\c\ \] \OVO\KX^ \^Y @O]\^K^OWOX^]$ 

- $0' @0]^K^0W0X^1] P\\0[_0X^Vc SX^YU0 XY\\WK^S^0 Z\\SXMSZV0]$
- 1' 9\_NQO] YP^OX \OVc YX LVKMU VO^^O\ Z\Y`\$]\$YX] a \$^RY\_^ N\$]M\_]]\$XQ T\_]^\$Pc\$XQ Z\\$XM\$ZVO]
- 2' @0]^K^0W0X^] RK`0 K NS]^SXM^S`0 \YV0 KXN SXPV\_0XM0

 $?K\^D'$  2YXMV\_]SYX

8' 8, 1/-\$2#1)-,-B(%0,1)&B(%-/50/'2+%,1>&&%/%\$"5 4, '01/-+!,\$6/%%,

 $8X K \o OMOX^ K \o WV = Y \o 4XQ]^Y W KXN < SUO 6 \o OX \o OVOX^VO]] \o K^^KMU ^Y \o ARY WYXMV_NSXQ ^RK^ S^ S] KVWY]^ OX^S \o C_]OVO]] ^Y MY_\^] KXN ^Y @OZY \o ] aRY N \o PYWY a SXQ ObMO\Z^]- fIBJY \ VK a e K] S^ ObS]^] KXN RK] ObS]^ON e S] XY^ ]M \SZ^ON Y \ ZVKXXON' BRO\O S] XY MYRO \OX^ AROY \ K^ AY \ VK a i ] MY\O'''' BY \ VK a S] RKZRKdK \ N^$ 

 $AOMYXN\% S] S^ \setminus OKVVC ^\setminus O ^RK^ YXO MKX YXVC OXNY\setminus ]O _XNO\setminus VCSXQ Z \setminus SXMSZVO] SP ^RY]O Z \setminus SXMSZVO] K \setminus O fQVY \setminus SY_]g/ > \ S] ^RO \setminus O JYWO FK@=I \ YVO ^RK^ Z \setminus SXMSZVO] MKX ZVKC SX T_]^SPCSXQ NYM^\SXO/$ 

 $2YX]$NO\ ]YWO KX^YXcW] YP ^RO KNTOM^$^0 fQ\[Y\$Y_]'g >X0 ]0^ YP KX^YXcW] $] fWON$YM\0g Y\ f_X$WZ\0]]$^0'g BRK^ $] XY^ ^0\c Z\YW$]$XQ' <math display="inline">1_^K ]MYXN ]0^$] fWYN0]^g Y\ fR_WL\[V0'g^C$ 

ObZKXN% Y\ \0]^\SM^ MYWWYX VK a NYM^\SXO% ^ROc K\0 \_]\_KVVc MK\_^SY\_] KLY\_^ \_]SXQ ^RK^ ZY a O\ ^YY KQQ\0]]\$`OVc' BRK^ MK\_^SYX \$] T\_]^SPSKLVO. MY\_\^] K\0 MYQXSdKX^ YP ^ROS\ SX]^S^\_^SYXKV \YVO \OVK^\$`O ^Y ^RO VOQ\$]VK^\$`O L\KXMR KXN YP ^RO XOON ^Y ObO\M\$]O ^ROS\ ZY a O\ \$X K a Kc ^RK^ \$]% KXN \$] ]OOX ^Y LO% VOQ\$^SWK^O'

 $< Y\setminus OY^*O\setminus ^RO NYM^\setminus SXKV\setminus_VO]^*RK^*T_NQO]M\setminus OK^*OY\setminus \setminus OMYQXSdOK\setminus 0VOQKV\setminus_VO]^*XY^*WY\setminus KV\setminus_VO]^*BRK^*S]^*T_NQO]\setminus$ 

RK] XY \OK]YX ^Y UXY a ^RK^ ZVKSX^SPP NYO] XY^ KM^\_K

%'' 3 = CA9E; = FE / LCKAGC = 2IAE; AGC = J, J - LJKA>A9: C = AGC = AGC

 $BROY\backslash SO] \ Y\backslash \ Z\backslash SXMSZVO] \ ^RK^ T_]^SPc \ ]ZOMSPSM \ NYM^\backslash SXO] \ MKX \ LO \ ZV_\backslash KVS]^SM'^\$!$   $BRS] \ NYO] \ WKUO \ ^RO \ KXKVc]S] \ WY\backslash O \ MYWZVOb' \ 1_^ fWSbONg \ ^ROY\backslash SO] \ YP \ ^Y\backslash A$   $VKa \ K\backslash O \ ^O\backslash C \ ZVK_]SLVO' \ 2YWZK\backslash O \ ^RO \ WY]^ PKWY_] \ fWSbONg \ ^ROY\backslash C \ YP$ 

 $1\_^ \$^NYO] \ XY^PYWY a ^RK^ ^RO \ Ob\$]^SXQ \ NYM^\$XO ^RK^ \ a O \ K\O ^SXUO\$XQ a \$^R \$] \$^]OVP _XZ\$XM$ZVON\ PY\ K ]^\K$QR^PY\ a K\N \OK]YX' > X WKXc $]]_O]\$^RO \VK\QO]^ KXN WY]^ MYX^\Y ^O\]$KV [_O]^$YX] RK ^O $K\OKNc LOOX ]O^^\VON' 5Y\ ObKWZ\O\ ^RO PY\VY a $XQ Z\YZY]$^$YX] K\O XY a _XN\$]Z_^ON-$ 

- )' ?OYZVO RK`O K VOQKWc Z\Y^OM^ON \$X^O\O]^ \$X K`Y\$N\$XQ OWY^\$YXKV N\$]^\O]]'
- \*' O ZK^\$OX^ RK] KX K\_^YXYWc \\$QR^ ^Y NOM\$NO YX WON\$MKV ^\OK^WOX^ O`OX \$P WON\$MKV Z\KM^\$^\$YXO\] MYX]\$NO\ ^RO NOM\$]\$YX \_X a \$]O'
- +' BY\^ VK a NYO] XY^ SWZY]O KX KPPS\WK^S`O N\_^c ^Y \0]M\_O K ]^\KXQO\' BRO ]O^\VON ]^K^\_] YP WKXc SWZY\^KX^ ^Y\^ S]]\_O] S] YXO \0K]YX a Rc S^\WSQR^ ]OOW ^RK^ @0]^\K^0W0X^] K\O XY^ K^ KVV SXPV\_OXMON Lc P\_XNKW0X^KV Z\SXMSZVO] Y\ ^ROY\S0]' 7 Y a O` 0\% SP MY\_\^] K\O ]OVP&MYX]MSY\_]Vc MRKXQSXQ Y\ \0PY\WSXQ ^RO VK a SX K ]SQXSPSMKX^ a Kc% ^ROc NACC Z\Y` SNO T\_]^SPcSXQ \0K]YX] PY\ ^RO MRKXQO e K] ^ROc ]RY\_\N'

## 8D' 7 - 4 B (% - / 5)0 @%\*%3!,11 - @%01!1%+%,10

 $EO RK^O LOOX KXKVcdSXQ ^RO a Kc] SX a RSMR ^ROY\c\$ SX ^RO ]OX]O YP XY\WK^S^O Z\SXMSZVO]\$ S] \OVO^KX^ ^Y T_NSMSKV NOMS]SYX] KXN VOQKV NYM^\SXO]' 1_^ S^ S] K ]OZK\K^O [_O]^SYX a RO^RO\ @O]^K^OWOX^] NOZOXN YX ^ROY\c SX ^RS] ]OX]O' BRO KX] a O\ S] K [_KVSPSON fcO]'g @O]^K^OWO$ 

%" -L<?=J 1>K=E 3=CP FE %C9;B .=KK=I 2IFMAJAFEJ 8 AK@FLK 'AJ;LJJAE? -LJKA>PAE? 2IAE;AGC=J

 $> XO SWZY^KX^N NSPPO\OXMO LO^aOOX RY a T_]^SPSMK^SYX] K\O ^\OK^ON SX @O]^K^OWOX^] KXN SX T_NSMSKV YZSXSYX] S] ^RO ]ZOMSKV NOPO\OXMO ^RK^ T_NQO] YP^OX KPPY\N ^Y ^RO a Y\U YP ^RO O WO\SMKX ; K a 8X]^S^_^O' 9_NQO] P\O[_OX^VC ]^K\^ a S^R K Z\O]_WZ^SYX ^RK^ ^RO @OZY^O\] KXN Y^RO\ O ; 8 WOWLO\]\% ^R\Y_QR ^RO `O\C VOXQ^RC Z\YMO]] YP M\OK^SXQ KXN \O`S]SXQ @O]^K^OWOX^ N\KP^]\% RK`O MK\OP_WC KXN ^RY\Y_QRVC ObZVY\ON ^RO \OVO`KX^ KV^O\XK^S`O] KXN ^RO K\Q_WOX^] ]_ZZY\^SXQ Y\_XNO\WSXSXQ ^ROW'$ 

 $1\_^ ^RS] \ Z\ KM^SMO \ MO\ ^KSXVc \ NYO] \ XY^ Z\ Y^ O ^RK^ ^RO \ T_NQO \ NYO]Xi^ MK\ O KLY\_^ a RO^RO\ ^RO \ ^NO^KX^ VOQKV \ _VO RK] \ K \ Z\ SXMSZVON \ T_]^SPSMK^SYX' 8^ WO\ OVC \ _XNO\]MY\ O] \ ]YWO YL^SY_] \ OKVS^SO]' 9_NQO] \ a RY NOMSNO MS^SV MK]O] RK^ OK^ MMSNO R$ 

NOMS]S`O aOSQR^ SX WY]^ YP ^RO ]^K^O] KXN ^O\\S^Y\SO] YP ^RO CXS^ON A^K^O] KXN SX PONO\KV MYWWYX VK a'

 $O\,\text{MMY} \setminus NSXQVc\,\text{M} \land RO\,\,O\,\,;\,8\,\,XOON]\,\,\text{MY}\,\,LO\,\,]\,YWO\,a\,RK^{\wedge}\,\,MK\_^{\wedge}SY\_]\,\,SX\,\,\backslash\,OMYWWOXNSXQ$  $K \setminus VO \land RK \land S] MYX \land Y \land O \land SPPO \land OX \land J \land K \land O \land SPPO \land VOQKV \land KNS \land SYX]$ 

ADD@ 8ADH:AN 6I L=6I ?J9<:H 6G: 9D>C<! 6C9 L=6I I=:N H6N 67DJI L=6I I=:N 6G: 9D>C<# .I I=: H6B: I>B:! =DL:K:G! L: HIG>K: ID EGDK>9: >CI:AA:8IJ6A 8D=:G:C8: ID I=>H 7D9N D; A6L# 1=JH! L: :M6B>C: CDI DCAN I=: =DA9>C<H>C C6GGDL 9D8IG>C6A 86I:<DG>:H! 7JI 6AHD I=: 8DCH>HI:C8N D; I=DH: =DA9>C<H L>I= BDG: <:C:G6A IDGI A6L EG>C8>EA:H#!"

?\YPO]]Y\] 4XQ]^\YW KXN 6\00X Z\YZO\\c YLTOM^ ^Y fQ\KXN ^ROY\SO]g ^RK^ Z\_\ZY\^ ^Y NON\_MO KW YP ^Y\^ NYM^\SXO P\YW K ]SXQVO\ RSQR\c QOXO\KV Z\SXMSZ\VO\ ]\_MR K] \_^S\S\K\SKXS]W Y\ O\S]^Y^O\SKX MY\\OM^S` O T\_]^SMO' 1\_^ T\_]^SPSMK^SYX] MKX LO WY\O WYNO]^ KXN X\_KXMON' BROC MKX LO SXN\_M^S` O K] a OW K] NON\_M^S` O' 8XNOON\ ^RO WY]^ ZO\]\_K]S` O T\_]^SPSMK^SYX] SX WY\KVS^C KXN VK a MYX^KSX OVOWOX^] YP LY^R WO^RYN] YP \OK]YXSXQ\ ^YQQVSXQ LO^ a OOX ZVK\_]SLVO QOXO\KV Z\SXMSZ\VO] KXN ZVK\_]SLVO T\_NQWOX^] KLY\_^ Y\_^MYWO] SX ]ZOMSPSM MK]O]'\*\*) 8X ^RS] O]]KC\ 8 RYZO ^Y RK` O ]RY a X ^RK^ K ZV\_\KVS^C YP Z\SXMSZ\VO] MKX KXN SXNOON W\_]^ LO SX`YUON ^Y T\_]^SPC ^RO Y\_^MYWO] KXN NYM^\SXO] YP