

## $6] \setminus bS \setminus ba$

- (% GVS US\S'CZ RSPOS ] T bVS a\Wbg\\$S\WVbV aSaa\W\ e \WZ PS VSZR T] [ Gc SaRQ# ) + FS^bS[ PS'#b] J SR\ SaRQ#) B Qb] PS' ) ' (\*%
- ) % GVS: S\S`CZ4 aaS[ PZg#Pg Wa`Sa] Z:b\J\\ --&\)+#RSQMKSR bJ Q\\dS\S O VWVV\$ Z\$dSZ [ SSb\J\U ]T b\VS: S\S`CZ4 aaS[ PZg ]\\ b\VS` \SCZM\Cb\J\\\ ]T b\VS @ \WZ\$\\W[ 7 \SdSZ]^[ S\\b U] CZa Q\R ] b\VS` \WbS`\Cb\J\\ \OZg CU SSR R\SdSZ]^[ S\\b U] CZa T]` ^S`a]\\ a e \W\R\\CP\WZ\S\Z\\alpha\S\Z\\ ]\\@]\\R\Q\#) \* FS^\bS[ PS` )' (\*%
- \*% 5 g Vba`Sa] ZcbVy\ -. &\*0#bVS: S\S`OZ4 aaS[ PZg RSQWRSR b] Q|\dS\S O VVVV\$ZSdSZ [ SSbWVU]\\cQ&SO RVbO[ Q[ S\b]\ GVc`aRQg#)- FS^bS[ PS` )' (\*%
- +% 5 g Wa`Sa] ZcbW/\ -. & (0# bVS : S\ S`OZ 4 aaS[ PZg RSQWRSR b] V] ZR O be ] \$RQg VWVV\$ZSdSZ RWZQ ccS \ R\ bS`O b ] O

] UVONY\ Q

 $( +\% \ GVS \ VWVV\$ZSdSZ[ \ SSbWVU] \ T \ bVS: \ S\backslash \ S' CZ4 \ aaS[ \ PZg \ ] \ \backslash \ c \ QZSO \ RWO[ \ Q \ S\backslash \ b \ e \ WZZ]$ 

- ))% GVS VWVV\$Z\$dSZ RWZY]UcS e WZZ Q]\aWab]T T]c` ^Z\$\Og [ SSbW\Ua Q\R T]c` Wb6`OQbw8S [ cZbWabOYSV]ZRS` `]c\R bOPZ\$a#b] PS VSZR OQQ|`RW\Ub] bVS T]ZZ]e W\UaQV\$RcZ\$1
  - ('O%) % (^%) % CZS\Og [SSbWU!: S\S`OZ4 aaS[PZg; OZZ!A]`bV?Oe\
    5 c WARWU'''
  - ('O% % ^% E]c\RbOPZ\$(!6]\T\$`\$\Q\$E]][ (!6]\T\$`\$\Q\$5c\\R\\U'''
  - \*\$  $^{\%}$  % E]c\RbOPZS) !6]\TS`S\QSE]][ ( !6]\TS`S\QS 5 c\WR\WU'''
  - \*\$- ^% % CZS\ O g [ SSbWU!: S\ S`OZ4 aaS[ PZg; OZZ!A]`bV? Oe \ 5 c WRWU'''
  - (' O% % ^% % CZS\ O g [ SSbWU!: S\ S`OZ4 aaS[ PZg ; OZZ!A]`bV ? Qe \ 5 c WRWU'''
  - $(' O\% \% ^{\circ} \% E] c R b O E * !6] TS S QS E] [ ( !6] TS S QS 5 c W R W U'''$
  - \*\$, %'  $^{\%}$  \( \text{E} \] c\\ R \text{BOPZS} + \!6 \] \\ TS'\ S\\ QS\\ E \] \[ \( ( \!6 \] \\ TS'\ S\\ QS\\ 5 \c\\ WR\WU''' \]
  - \*\$- ^% % CZS\ O g [ SSbWU!: S\ S` OZ4 aaS[ PZg ; OZZ!A]`bV? Oe \ 5 c WRWU'''
- ) \*%  $\triangleleft$  b] Rc Qb] `g abObS[ S\ ba e WZ PS [ ORS Pg bVS C`SaVKS\ b ] T bVS : S\ S`OZ 4 aaS[ PZg#bVS FSQ SbO g\$: S\ S`OZ#bVS C`SaVKS\ b] TbVS 8 Q\ \] [ WQ Q R F] QWZ6 ] c\ QWZ# Q\ S[ WS\ b^S`a] \ W bVS TWZR ] T[ W\ ObV\\ Q\ R RSdSZ]^[ S\ b Q\ R O [ W\ O\ b Ob bVS PSUW\\ WU] TbVS ^ZS\ O g [ SSbWU] \ bVS [ ]`\ WU] TGVc`aRQg#\* B Qb] PS`%
- )+% GVS bVS[Sa]TbVST]c``]c\RbOPZSae WZPSOaT]ZZ]e a1
- $E]c\R bOPZS (1 4 aaSaaWU bVS STISQna ]T WbS`\ObW\\OZ [WYObW\\] ] \ acabOWOPZS \\ RSdSZ]^[S\b O, R WkS\bWgWU `SZSdO, b ^`WY`WbWa W dWse ]T bVS \\ ^`S^OObW\\] ]TbVS^]ab$)'(, RSdSZ]^[S\bTQ] Se ]`Y$
- E]c\RbOPZ\$)1 @SOac`Sa bj S\ac`S`Sa^SQbTj`O,R^`]bSQbW\]TbVS Vc[O,`WbVba]TOZZ[WbO,ba#e WbV^ObWQcZO`STS`S\Q\$ bj e][S\O,RQWAR`S\#Oae SZZ Oa bj ^`SdS\bO,RQ[POb bVS a[cUUZWU]T[WbO,ba O,RbOTWQYWU W\^S`a]\aO,Rbj S\ac`S]`RS`Zg#`SUcZOO,R aOTS[WbObW\]
- $E ] c \ R \ CPZS *1 Fb S \ UVS \ WU ^Ob \ S aVWa O R Q ] ^S OW \ ] \ WbS \ OW \ OZ \\ [ Wb OW \ \# [ SQVO \ W [ a b] STISQWSZZ WbSU OB [ Wb OW \ Wb] \\ RSdSZ ^[ S b^] ZWWS O R^`] [ ] bWU Q VS S QS Ob OZZSdSZ$
- ), % G] OZZ] e T] ` [ OT WY c [ ^O bWQWObW]\\ e WbVW bVS ZW WbSR bWy S OłOWACPZS# abObS[ S\\ ba Wy bVS ^ZS\\ O g [ SSbWyUa O, R bVS `] c\ R bCPZS RWaQc aaVy\\ a e WbZPS ZW WbSR b] T] c` [ Wyc bSa#]\\ bVS c\ RS`abO, RWyU bVOb bVOb e ] cZR \ ] b ^` SQZc RS bVS RWab Wbc bWy\\ ] T [ ] `S Sf bS\ aWdS bSf ba%

). % Fc[[O Wsa]T bVS RSZWYS`ObW\a]T bVS T]c\R\$bCPZ\$ RWAQ:aaV\a e WZZ PS ^\SaS\bSR Pg bVS QVOWa]T bVS \]c\R bCPZ\$a Rc\WU bVS Q\Q\Z\c RWU aSU S\b Ob bVS ^ZS\Og [SSbW\U]T bVS VWLV\\$Z\$dSZ RWZQ U:S]\ bVS ONLS\]]\]T 9\WXQ#+ BQb]PS\% GVS F^SQWZES^\SaS\bObWS]T bVS FSQ SbOg\\$: S\S'OZ]\ < bS\ObW\OZ\@\WOOW\\O R 7 SdSZ\^[S\be WZCZa]PS \Wd\WSR b] a^SOY\%GVS C`Sa\WS\b]T bVS: S\S'OZ4 aaS[PZge e \WZQZ]aS bVS[SSbW\U\%]

)/% 9c`bVS` WT]`[ ObW\ ]\ bVS VWV\\$Z\$dSZR\WZ] U:S W Q\ bO\WSR W bVS\] bS Pg bVS FSQ SbO g\\$: S\ S`OZ ]\ bVS ]`UO\ WOO\\\ ]T bVS V\WV\\$Z\$dSZ R\WZ] U:S ]\ \\ \WbS`\ Ob\\\ OZ [ \\W\Ob\\\ O, R RSdSZ\^[ S\ b!4 &/ &- \)"%

\*(% GVS Qc``S\b ZMb]T a^SOYS`a W QdOXQPZS W `]][ F\$\*'/)%4\g QVQ US ]` Sf QVQ US ]T a^SOYWU aZ ba Q ]\U @S[ PS` FbObSa aV]cZR PS Q[ [ c\WQObSR W e`WWU b] bVS : S\S`OZ 4 aaS[ PZg 4 TIOWa 5 `Q\QV# `]][ F\$\*'/) !S\$[ OXM ^] ZWOY] dOS c\%`UZ

\*, % FbObS[ S\ ba [ CRS W O, g ] T bVS aW ] TINQWZZO, Uc OLSa ] T bVS : S\ S` OZ4 aaS[ PZg OS WbS`^`SbSR Wb] bVS ] bVS` ] TINQWZZO, Uc OLSa%4 \ g a^SOYS` [ Og OZa] [ OYS O abObS[ S\ b W O ZO, Uc OLS ] bVS` bVO, bVS ] TINQWZZO, Uc OLSa%  $\triangleleft$  ac QV QQaSa# W

 $+ (\% \ GVS \ a^SQWZ \ SdS \ b \ ] \ T \ bVS \ C^SaWRS \ b \ ] \ T \ bVS : S \ S^CZ4 \ aaS[ \ PZ_g \ b] \ T] \ ZZ_l \ e \ c^bVS \ STI] \ ba \ [ \ CRS \ b] \ OQWWSdS \ bVS \ @WZS \ VV[ \ 7 \ SdSZ_l^[ \ S \ b : ] \ CZ_l \ e \ WZ \ PS \ VSZR \ ] \ ) , \ FS^bS[ \ PS^ )'(*\#T][ \ 0 \ O\% \ %b] \ ( \ ^\% \ %O_l \ R \ T][ \ * \ ^\% \ %b] \ - \ ^\% \ \#OQQ] \ RWU \ bVS \ T] \ ZZ_l \ e \ WU \ aQVSRc \ ZS1$ 

(' O% % (  $^{\%}$  % E] c\ R bOPZS ( !G`c abSSaVW 6 ] c\ QXZ6 VQ PS`"

 $E]c\RbOPZS)$  !8Q|\][ WQQRF]QWXZ6]c\QXZ6VO[ PS"

\*\$- ^% % E]c\RbOPZ\$ \* !G`cab\$SaVW 6]c\QXZ6 VQ PS`"

 $E]c\ RbCPZS + !8Q\][WQQRF]QWZ6]c\QZ6VQPS"$ 

-\$-%' ^% % 6 Z| aWU^Z\$\ Og [ S\$b\WU!G`cab\$SaVW 6]c\ Q\Z6 VO[ PS`"

+) % GVS ] ^S\ WU ^ZS\ Og [ SSbWU ] T bVS SdS\ b e WZ Q\ a Wab ] T abOsS[ S\ ba Pg bVS C`SaVKS\ b] T bVS : S\ S` OZ4 aaS[ PZg#bVS FSQ SbOg\$: S\ S` OZO, R O\ c[ PS` ] T; SCRa ] T FbOsS ]`: ] dS\ [ S\ b# Oa e SZZOa ] bVS` a^SOYS`a Wd VbSR Pg bVS C`SaVKS\ b%GVS QZ aWU ^ZS\ Og [ SSbWU e WZ Q\ a Wab ] T O^`SaS\ bObW\ ] T bVS ac[ [ O V5a ] T bVS `] c\ R\$bOPZS RSZWS` ObW\ a O, R bVS S\ R]`aS[ S\ b] T bVS ] c bQ[ S\ b%

 $+ * \% GVS `] c \ R\$OPZS RWQ: aaVy \ a e \ WZPS VSZR c \ RS` bVS aQ[SP] OR bVS[S#T] Q: aWU ] \ UO^a O R e SOY \ SaaSa O R bVS OQQSZS`ONY ] T bVS \ W^ZS[S\ bONY ] T bVS \ @ \ WZS \ VY[7 SdSZ]^[S\ b:] OZa# On e SZZ On Z] YWU T] `e O R b] bVS ^] ab$)'(, RSdSZ]^[S\ b OUS RO%4 ZWb] Ta^SOYS` a \ WY]^S\ T]` \ WaQ \ WbVy \ #]\ OTWab$Q[S#TWab$$ 

SdS g QWM2Rn# FcabOWOP2S  $8\$ S Ug T] 4 ZZ# 8 RcQOWW 9 Wab# bWS MS ] ; c\US 6 VOZZS\US Q, R bWS 6 OZZbJ 4 QWW\ ]\ FQ, WODW\ %

+/ %

, (% 4 QQ SRWOW)\\ ] T] TIWWWZ RSZSUOW\\ a Q, R [ S[ PS`a ] T bVS ^O bWsa ] T; SORa ] T FbObS ]`: ] dS`\[ S\ b# I W&\$C`SaWKS\ ba Q, R 6`] e \ C`WQSa ]` C`WQSaaSa e WZ PS QO`WKR ] cb Pg bVS C`] b] Q| Z Q, R ? WOW] \ FS`dW&\$\@WaV\_\\ a&\$TIW&Sa OS`S\_c WSR b] ac P[ Wb bVSW QQQ SRWOW\\ `S\_cSaba Pg ca\WU bVS \ Se ]\ZWS agabS[ # n54 QQ SRWOW\\ n# dW0 bVS e SPaWbS Ob Vbb^a1&\$SQQQ SRWOW\\ \%\\ %\\ bW0 \ GVS C`] b] Q| Z B TIW&S VOa Q| [ [ c\ WQObSR b] OZZ[ WaV\_\\ a&\$TIW&Sa W ASe L]`Y Pg [ SQ a ] T O\] bS dS`POZS ROBSR() =cZg)'(\* ^^] d\ WWWU RSBOW\[ A\$TIW&Sa W ASe L]`Y Pg [ SQ a ] T O\] bS dS`POZS ROBSR() =cZg)'(\* ^^] d\ WWWU RSBOW\[ A\$TIW&Sa W ASe L]`Y Pg [ SQ a ] T O\] bS QQ SR\ OQV\_\\ agabS[ # b] USbVS` e \ WW m c \ WSSZWSa ]\ S4 QQ SR\ OD\\\\ n Q R n9`S\_cS\ bZg 4 aYSR DcSab\\\ an\GVS \ WT]`[ OD\\\ QQ OZa] PS T] c\ R ]\ bVS C`] b] Q| ZQ R ? \ WOW\[ YSC \ C \ PS`dWS !e e e \%\ \%\\below\[ CXR T] ZZ e bVS ^`] QSRc`S`SIS``SR b] \ W bVS UC \ WSZZWSa\%

, ) % ; SCRa ] T FbObS ] ` : ] dS \ [ S\ b# I \WQS\$C Sa\WKS\ ba# 6 `] e \ C`\WQSa ] ` C`\WQSaaSa Q\ R b\WSW a^] caSa e \WZ PS ] TIS`SR I <C ^QaaSa e \WV] cb ^V] b] U O`\Va\%7 S^cbg C`\W\ S @\W\\\bS`a# 6 QP\\\Sb [ \W\\\bS`a Q\ R b\\SW a^] caSa e \WZ PS ^`] d\\\KSR e \\\W\ I <C ^QaaSa e \\\W\\\Y\ b] U O`\Va\%

, \*% GVS e ] `YWU V] c`a ] T bVS QQQ SRWODW\ c\ WY! bSZ\$^V]\ S1)() 0-\*.(/("W\ bVS C`] b] Q| ZO, R ? WOW|\ FS`d WQS W\ bVS RQga ^`W\ b| O, R Rc`WU bVS VWLV\$Z\$dSZ[ SSbWU a O, R bVS U\$\ S`OZR\$PO\$S e WZPS ^] ab\$R ]\ bVS C`] b] Q| ZO, R ? WOW|\ FS`d WQS e SPa WS O, R Ob bVS S\ b`g ] T bVS C`] b] Q| ZB TIWQS abO bWU ]\ Gc SaRQ#\* FS^bS[ PS`)'(\*%

!O' 8 dS'g CS'[ Q, S\ b @ Wa'W\ e WZ PS WacSR T]c` QO Ra ]T]\ S Q|Z|c` T]` QQQSaa b] bVS: S\ S`QZ4 aaS[ PZg; QZZW\ bVS A]`bV? Qe\ 5 c WRWU Q\ R T]c` QO Ra ]TO RWTIS`S\ b Q|Z|c` T]` QQQSaa b] bVS A]`bV? Qe\ 5 c WRWU Z|PPg%GVSaS QO Ra e WZ PS dQZMK T]` bVS S\ bWS ^S W/R ]T bVS VWV\\$Z\$dSZ[ \$S\$b\W\_La Q\ R bVS U\$\ S`QZR\$PO\$S]T bVS a\Wb(\$\$S\WV\V\ aSaa\W\\ ]T bVS: S\ S`QZ4 aaS[ PZg# T][ )\* FS^bS[ PS` b] + B Qb] PS`)'(\*2

 $!P" 8 OQV WbS`U] dS`\[ S\ bOZ ]`UO, WbOSW\ e WZZ PS Wac SR be ] Q! Z! c`$Q! RSR QQSaa QO Ra Q! R SOQV a^SQWZMSR OUS\ Qg e WZZ PS Wac SR ]\ S Q! Z! c`$Q! RSR QQSaa QO R T]` QQSaa b] bVS: S\ S'OZ 4 aaS[ PZg ; OZZ W bVS A]`bV ? Qe \ 5 c WRWUZ W ORRWW\ # SOQV WbS`U] dS`\ [ S\ bOZ]`UO, WbOSW\ Q! R a^SQWZMSR OUS\ Qg e WZ`SQSWIS be ] QO Ra ] TO RWTS`S\ b Q! Z! c`T]` QQSaa b] bVS A]`bV ? Qe \ 5 c WRWUZ PPg2$ 

 $!Q' \quad 4 \ QQSaa \ QO \ Ra\# \ WY `S\_c \ WSR\#e \ WZ \ PS \ Vac \ SR \ b] \ `S^`SaS \ bOWYSa \ ] \ T @ S[ \ PS \ FbObSa\# \ ] \ PaS`dS`a\# \ WbS`U] \ dS` \ [ \ S \ bOZ \ ] `UO \ VNOOWY \ a \ O, R \ a^SQWZMSR \ OUS \ QWSa \ ONS \ QWSa \ ONS \$ 

^O bWQWObWU W ] bVS`QZ] aSR&Sab`WQbSR VWV\\$Z\$dSZ[ SSbWVLh T]`QQQ8aa b]Q\\TS`S\Q8 \ `]][ a W bVS A]`bV ? Q\$\\ 5 c \WR\WU Q R bVS 6]\\TS`S\Q\$ 5 c \WR\WU%

, , % 6 ] Z| c`\$Q| RSR OQQ8aa QO Ra T| ` bVS VWZV\$Z\$dSZ[ SSbWVUa O, R bVS US\ S`OZRSPObS e WZZPS `SORg T| ` Q| ZZSQbW\ Ob bVS C`] b| Q| ZO, R ? WDW] \ FS`d WQS abO bWVU ]\ 9` WKQ# )' FS^bS[ PS` )' (\*#OTBS` (' O% %

 $-' \% @`a\%5 \ O, \ F]] \setminus \$bOSY \ e \ WZV] \ ab \ OP`SOYTOab`SQS^bM/\ ] \setminus bVS \ aSQ| \setminus R \ TZ]]`] T bVS A]`bV? Oe \ 5 c \ WRWU \ W bVS \ O SO CRXOQS\ bb] \ 6 ] \ TS`S\ QS \ E]][ 8 \ W bVS [ ]`\ WU O, R \ O bSO`SQS^bM/\ Ob bVS`Sa\WS\ QS \ W bVS \ OTbS`\]]\ ]\ Gc \ SaRQg#) + FS^bS[ PS`)'(*#Qa e \ SZZOa \ OQ:Zbc`OZ\SdS\ b]\ J \ SR\ SaRQg#), \ FS^bS[ PS`)'(*#W \ V]\]c`] T bVS \ a^] c \ aSa ] T; \ SCRa ] T FbObS ]`: ] \ dS`\[ S\ b#I \ WS\$C`Sa\WS\ ba \ O, R \ 6`] e \ C`\ WQ\Sa\Sa^O\ O \ bWQ\WO\WU \ W \ bVS \ a\ Wb\S\ \ S\ WB\S\ \ D\ \ O\ WQ\Sa\Sa\CO\ B\ O\ WQ\S\ O\ WU\S\ O\ WU\S\ A\ WB\S\ \ D\ \ O\ WQ\Sa\S\ A\ WB\S\ \ D\ O\ WQ\S\ A\ S\ O\ B\ W\ WB\S\ A\ WB\S\ \ D\ W\ O\ W\ W\ O\ W\ W\ O\ W\ W\ O\ W\ W\ S\ A\ WB\S\ \ D\ W\ O\ W\ O\ W\ W\ U\ W \ bVS\ \ A\ WB\S\ \ D\ \ O\ W\ W\ O\ W\ U\ W\ bVS\ \ A\ WB\S\ \ D\ \ O\ W\ O\ W\ O\ W\ U\ W\ bVS\ \ A\ WB\S\ \ D\ \ O\ W\ O\ W\ O\ W\ U\ W\ bVS\ \ A\ WB\S\ \ \ D\ W\ O\ W\ O\ W\ O\ W\ U\ W\ bVS\ \ A\ WB\S\ \ D\ \ O\ W\ O\ W\ O\ W\ U\ W\ bVS\ \ A\ WB\S\ \ D\ \ O\ W\ O\ W\ O\ W\ U\ W\ bVS\ \ A\ WB\S\ \ D\ W\ O\ W\$ 

- --% GVS ] ^S\ WU bW Sa ] TbVS ^SRSab` WO S\ b`O QSa O S Oa T] ZZ] e a1
  - +\* R Fb SSb O, R 9 Wab4 dS\ c S1 O% %b] QZ aS ] TPc aWSaa
  - +- bV Fb SSb Q, R 9 Wab4 dS\ c S1. O% %b] QZ aS ] TPc aWSaa
  - +. bV Fb SSb O, R 9 Wab4 dS\ cS1. O% %b] QZ aS ] TPc aWSaa
- -. % CZSQaS PS Qe O S bWQb QZZ^QQYQUSa P`] c UVb ]\b] bWS ^`S[ WaSa Pg QZZQQbSU]`Wa ] T^S`a]\a#WQZc RWU RSZSUQBSa Q, R abOTI#e WZZPS ac PXSQb b] aSQc`Wg Wa^SQbW\%
- -0%4 QQSaa bj bVS F] cbV 4 \\ Sf Q R bVS ? WFO g 5 c WRRWU ^`WF bj O% %[ Qg PS UOWSR Pg caWU bVS +\*`R Fb`SSb S\ b Q QS Q R ^`] QSSRWU bj bV] aS O SOa dWO bVS FSQ SbO Wb 5 c WRRWU Zj PPg%

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$FOc^ROg O_R Fc_ROg\#(+O_R R_R^*), FS^bS_R^* PS^*$	0 0% %b], ^% %
@]\RQp#(-FS^bS[PS`	0 0% %b] - ^% %
Gc SaROg#(.FS^bS[PS`	0 0% %b] - ^% %
J SR\SaROg#(/ FS^bS[ PS`	0 0% %b] - ^% %
GVc`aROg#(0 FS^bS[ PS`	0 0% %b] - ^% %
9 <b>`WK</b> Qg#)' FS^bS[ PS`	0 0% %b] - ^% %
FOr`RQ#)( FS^bS[ PS`	('O%p %b] - ^%p %
Fc\RQ#)) FS^bS[ PS`	('O% %b] - ^% %
@]\ROg#)*FS^bS[PS`	/ O% %b] - ^% %
Gc SaRQg#) + FS^bS[ PS`	/ O% %b] - ^% %
J SR\SaRQ#), FS^bS[ PS`	/ O% %b] - ^% %
GVc`aROg#) - FS^bS[ PS`	/ O% %b] - ^% %
9 <b>`WK</b> Qp#). FS^bS[ PS`	/ O% %b] - ^% %
FOrc`ROg#)/ FS^bS[ PS	0 0% %b] ( ^% %
$Fc\ RQ\#) \ 0 \ FS^bS[\ PS]$	6 ZJ aSR
@]\ROg#*' FS^bS[ PS`	/%" O% %b] - ^% %
Gc SaROg#( B Qb] PS`	0 0% %b] +%' ^% %
J SR\ SaRQp#) BQj PS`	0 (%) %) +%' ^% %
GVc`aRQg#* B Qb] PS`	0 (%) %) +%' ^% %
9 `WKOg#+ B Qb] PS`	0 0% % % +% ' ^% %

 $5 SUW/WU]/@]/ROg\#. BQJPS`)'(*\#OZZ^OaaQRWSV)bWWQOW/]^SCOW/aeWZCSbc'/bJbWSCOaaQRRWU#QRbW/H/W#`]][HS(''#HA<G4E5cWRWU#QRbWSV]c`a]T]^SCOW/AeWZPST][0OW/bJ+%'^%b'%$ 

 $. +\% @S[PS`a]T bVS [SRWO!P]bV `SaVWRS\bQ]``Sa^] \ RS\ ba e VbV S_cW[S\ b Q] ``SaWS b Q] ``Sa\] \ RS\ ba e VbV ]` e VbV]cb S_cW[S\ b' e V] e VbV b] S\ bS` bVS : S\ S`OZ4 aaS[PZg; OZZW bVS A]`bV?Oe \ 5 c VBRWU[cab caS bVS +- bV Fb`SSb[SRWOSSV \ VbV \ QBSSVV- bbVMMP`OSbVV \ bWO, QS[]c] ]aVBU]VS]SS\ bZU]S]]S a ]S` S\ Sa ]V] SaR$ 

 $S\ b'\ O_i\ QS\ OS\ `S_c\ WSR\ b']\ PS\ \ W^1\ aaSaa\ W\ \ ]\ T\ bVS\ `S_c\ WWSR\ H\ \ WSR\ A\ OWW\ a$Wac\ SR\ U\ ]\ c\ Ra\ ^Oaa\ W\ ]\ `RS'\ b']\ UOW\ OQQSaa\ b']\ bVS\ ^`S[\ WSR\ A\ OWS'\ ]\ `S\#\ WW\ W\ W\ )^1\ bO_i\ b']\ \ WSR\ A\ OWW\ a\ RSQOZ!\ Waac\ SR\ Pg\ bVS\ :\ O\ OUS\ 4\ R[\ WWb OWW\ "\ e\ WZ\ PS\ `S_c\ WSR\ Ob\ bVS\ +-\ bV\ Fb`\ SSb\ O_i\ R\ FSQ]\ R\ 4\ dS\ cS\ dSVWZS\ QVSQY^1\ Wb\ ^`W\ b']\ bVS\ U\ O_i\ bWU\ ]\ Tac\ QV\ OQQSaa\%$ 

 $\label{eq:continuous_continuous$ 

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 $/\left(\%\ 4\ ZZdSVVVVSa\ S\ bS`WU;\ SCR_cObS`a ^`S[\ WaSa\ bVOVVVO\ S\ bS`WVVZ\ QQSb$ 

/-% & W`SQQZSR bVOb bVS FSQ SbOg\$: S\S`OZ#W OZSHS` ROBR(04^`WZ)'(\*#Wd WSR; SCRa]T FbObS]`:]dS`\[S\b b] Q\\aWKS` aW\WU Q\R`ObWlgWU]` QQQSRWU b] [cZbWObS`OZb`SObWaRS^]aWSR e WbV VW Rc`WU bVS US\S`OZRSPObS]TbVS aWbg\$SWVbV aSaaW\\]TbVS: S\S`OZ4 aaS[PZg%

 $\label{eq:continuous_continuous$ 

 $// \% \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \, | \ \ \,$ 

 $\# O ZWhb ]T OZZ [ cZNXODS`OZ b SONWA RS^] a WhSR e WhV bVS FSQ SbOg$: $\ S`OZ O, R ^`] QSRc`OZ WVT]`[ ONW\ QO, PS ] PbOWSR T][ bVS H\ WhSR A ONW\ a G`SOrg 6] ZZSQWV\ e SPaWbS!Vbb^1&&b`SONWA%\ <math>\%$ `U'%

0' %  $\Leftrightarrow$  aV] cZR OZa] PS\] bSR bVO#\W]`RS` b] UOW OQQSaa b] bVS ^`S[ VaSa Rc`\WU bVS )' (\* b' SObg SdS\ b#\ObV}\ OZ [ SRWO [ cab VOdS ^`SdV]caZg ] PbO\WSR ^`]^S` [ SRWO OQQ SRWODW\\ T][ bVS @ SRWO4 QQ SRWOW\\ O, R? WOW]\ H\ Vb%

0( % 8 QQV RSZSUOMY\ aV] c ZR RSaW\ ObS Q\ WRWYWC OZ Qa O Q\ bOQb ^S`a]\ T]` bVS ^c`^] aSa] TbVW SdS\ b%

0) % @ SRWO `S^`SaS\ bOWYSa e WW O dOZWK H\ WSR AOWY\ a U ] c\ Ra ^Oaa e WZ PS OZZ] e SR b] Q| dS` bVS US\ S`OZ RSPOS O, R ] bVS` VWVV\$ZSdSZ [ SSbWUa e WW] c b CRRWWY\ OZOQQ SRWODY\\ %

 $0*\% 4ZZ]bVS`a e V] R] | b VOdS O dOXXX ^Oaa$ 

## 0+% 4 ZZ [ S[ PS`a ] T bVS [ SRWO QQQ [

('\*%GVS [ SRWOQS\b`S T]` OZZ [ SRWOe WZZ PS W 6]\TS`S\QS E]][ (#W, bVS A]`bV ? Qe \ 5 c WZRW\U%

('+%

 $(() \% FbOsS[S \ ba \ W bVS] `WWWOZZO, UcOUS \ W e VWQV bVSg e S`S RSZWIS`SR e WZPS O D WZPZS] \ bVS CO^S`F[Ob^]`bOZOb^O`S`a[Ob% [SSbWUa%]`U%F^SQWZ`S_c SabaT]`O`SQ]`RWU]TbVS WbS^^SbObW \ W] \ S]TbVS aW]TTWQWZZO, UcOUSa aV]cZRPS[ORS W ORdO, QS2 bVS O D O WZPWZMg]T acQV`SQ]`RWUa acPXSQb b] bVS ZW WOOW a ]T`SQ]`RWUTOQWZWAS$ 

 $((*\%?) W.WSR `CRW) abcRW. TOQWAMWA e WAZ PS ^`] d.WKSR b] RSZSUOSA O, R OQQ SRWSR X, c`\ OZWADA# e VS\ OdOWCPZS# Rc`WU bVS US\ S`OZ RSPOS%GVS`S e WAZ PS QVO USA b] Q] dS` bVS ORRWW\\ OZQ] \ b`OQb] `Q| aba T] `OTHS`$V] c`a caS%P] ``ORW, abcRW. OdOWCPWAMG O, R Q| ab SabW. OSA T] `OTHS`$V] c`a caS#Q] \ bOQb bVS 5`] ORQOAD Q, R 6] \ TS`S\ QS Fc^^] `b FSQW\\ !S$[ OWAI `S_cSab$T] `$aS`d WQSA3 c\ %\ `UZ bSZS^V] \ S1)() 0-* 0+/, " Q, R Q] ^g H\ WSR A OW\\ a EORW. !P] PP3 c\ %\ `U# Ye WODY] e a YW$' c\ %\ `U'%$ 

((+% GVS H\ WASR A CAM)\\ a e SPa WAS !VHb^1&&e e e %\ %)`U&CO' e WAZ^`]d\WAS# bV`]cUV O RSRWQOBSR ^]`bOZ e SP ^OLS# Q|dS`OLS ]T bVS : S\S`OZ 4 aaS[PZg [SSbW\Ua#Q\\TS`S\QSa#^`Saa P`WATW\Ua O\R SdS\ba W\ bVS aW\]TTWAMZZO\UcOLSa# W\QCRW\UPQ\YU]c\R W\T]`[ONY\\#^`Saa`SZSOaSa#\Se a ab]`WSa#R]Qc[S\ba#^V]b]U`O`Va O\R

- $((/\%F)[S dWcOZ[SRWOQ]dSCUS[WVVbPS^`]dWsRPg asZsQbSR[SRWO^]]Za]e WUb] Z_JUWbWQa O_R a^OQS Q_J aWsSCWJ/ a%GVS^]]Za O_S`sas`dSR sf QZcaWsSZg T]`H\WSR AObWJ\ a GSZsdWvVJ\ # H\WSR AObWJ\ a ^V]b]UO^VS`a#WbS`\ObWJ\ OZe WS as`dWgSa O_R ^V]b]UO^VS`a#WbS`\ObWJ\ a 6]``Sa^]\RS\ ba 4 aa]QWDWJ\ [Og PS QaYSR b]^`]dWsS]\S]`aSdS`OZ`S^`SaS\bObWsSa%$
- $((0\% GVS) TWVWZ [SRWO QQQ] [^Q gWU O; SCR] TFbOsS]^: ]dS^{[S,b]}` VSCR] TRSZSUOWW #WQZCRWU bVS] TWVWZ^V]b] U O^{VS}#e WZ^{]bPS^S^[WbSRb]^O bWQWOsSW bVS^]]Za%@SRWO QQQ[[^Q gWU; SCRa] TFbOsS]^: ]dS^{[S,beWZPS CPZSb]}Q]dS^ bVS QQWTWWa]TbVSWRSZSUOWW WbVS SdS\bW]^S\bJ bVS^Saa%$
- ()'%BTWWWZ^V]b]UO^VS`aO\R bSZ\$d\WY\\Q Se a e\WZ\VOdS O\]^^]`bc\\Wg b]Q]dS`b\VS\abO\S[S\b]T\b\VSW; SOR]T\FbO\S]`:]dS`\[S\b]`\VSOR]T\RSZ\$UO\\\]\ O`]b\O\WUPO\WT][\b\VS\^`SaaP]]b\Va\ac``]c\\R\\U\b\VS:S\S`O\Z4\aaS[\PZg;\OZ2\\Be\WU

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GSZ\$^V]\S1)() 0-\*,'\*\* 8\$[ OMZ VSZ\\$R\$aY3 c\%\`U FSQ:`Wog  $7 S^cbg 6 WWW @ WWOSZ5`] e \ S$  $GSZS^V] \ S10(. *-. 0)(($  $8 ( OMP) e \ S) 3 c \ C \ U$ ? WScbS\O, b @ OZWRO @ Q6 ] `[ OQY !FSQc`\bg8dS\bCZO\\WUH\\b\"  $GSZS^V] \setminus S1)() 0-*.')/$ @SRWD ; cO=W0, U!C`Saa FS`dW05"  $GSZS^V[\ S1)(\ 0-*0-, *$ 6] ZZWSb9 WXO^ AXWUO !@SSbWUa 6 ] dS`CUS"  $GSZS^V] \setminus S1)() 0-*,/,'$ <aCPSZS 5`] gS`!4 QQ SRWOW\\"  $GSZS^V[\ \ ] \ (\ ) \ 0-*-0*+$ 90f1)() 0-\*+-+) 7 Od VR J ]] RVS !5 `] ORQQab O, R H \ VbSR AONY∖a GSZSdWW\\"  $GSZS^V[\ S1)(\ 0-*0*00$ =Q  $\ WZS @ Q6 \ ] \ R !C Saa 6 ] \ TS S \ QSa"$  $GSZS^V] \setminus S1)() 0-*..'.$ 8\$[ OXZI [ QQ]`R3 c\%)`U  $4 \ R$ Se AgS 5 ] CRQQabQ, R 6 ] \ TS S\ QS Fc^^] b COb WOY @ ] ``Wa | \  $GSZS^{V} \setminus S1)() 0-*'+'.$ FSQW/\ 6 O'N VOZ[ OabS '\ZO CSbS`F[WW  $GSZS^V \setminus S10(.*-.,/,*$  $J S \setminus S FQM WRb$ 

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