



\*1' .)#' .)&##' \*55+.+/7\*4' E#7#&\*4' +110#1' : /+7.#5' /0.' +7' .)#' 1#;#7.)' &#: /&.' ./' <#'  
3\*&\*7.+7E'90&.)#&#T\*'' +7\*./+7\$''

N#' \*41/' C/' " #75' .)#' (/'' " +11+/7' 9/&' : &/E&#11+7E' .)+1' 1\*4+#7.' ./: +C,' +.1' 4#E\*4'  
C/' : 4#T+.' \*75' : /4+.C\*4' 1#71+.+;+.#1' 7/.3+.)1.\*75+7E,' 7/.\*<4@' <@' : &/; +1+/7\*4@'  
\*5/: .+7E'5&\*9.'\*&.+C4#1'U'\*7.#,'U,'V,'RQ,'RR'\*75'RP,'\*75'.)#'\*. \*C)#5'C/' " #7.\*&+#1\$''

N#' \*E&##' 3+.)' .)#' A: #C+\*4' G\* : /&.#0&' .)\*.' +' : /&.\*7.' 10<1.\*7.+; #' +110#1' \*&# 1.44'  
: #75+7E' <#9/&#'.)#' (/'' " +11+/7\$' 27' : \*&.+C04\*&, ' 5&\*9.' \*&.+C4# ' W' /7' #TC#: .+/71' ./'  
+' " 07+.'@' &\*./+7#'' " \*.#&+\*#'+7'&#1: #C.' /9'C&+' #1'075#&+7.#&7\*./+7\*4'4\*3'3+44'&#00+&#'  
90&.)#&#99/&.\$'27'.)+1'&#E\*5,'.)#'? /&5+C'C/07.&+#1'3/045'4+6#'. /&#+.#&\*.#'/0&'10: : /&.'  
9/&'5&\*9.'\*&.+C4# 'W'\*75'&#C\*44'/0&'C/' " +." #7.'./'.)#'G/' #A.\*.0.#'/9'.)#'27.#&7\*./+7\*4'  
(&+' +7\*4' (/0&.S' 075#&4+7+7E'.)#'+' : /&.\*7C#'/9')\*&' /7-1(/)409T248.5039'' //B-1(.+/8670.24

C4\*01#Y' 3/045' <# '01#904' \*75' \* : : &/: &+\* .#'' #\*71' ./ '\*C) #; #' .) +1\$' N# '\*E&##' 3+.)' .)#  
A: #C+\*4'G\* : : /&.#0&+7' .) \*.'10C)' \*' C4\*01# '5/#1'7/.'E/' <#@/75' .)#'&#" +.' /9' .)#'5&\*9.'  
\*&.+C4#1,'7/&'5/#1'+.'E+; #'&+1#'. /') +#&\*&C)+C\*4'&#4\* .+/71)+: 1'<#.3##7'\*7@'&04#1\$'<0.'&\* .)#&  
" #&#4@' 1#: \*&\* .#1' 5+99#&#7.' 4#E\*4' &#E+' #1,' 3)/1#' ; \*4+5+@' \*75' 1#: \*&\* .# 9+#451' /9'  
\* : : 4C\* .+/7'3+44'1.+44'<#': &#1#&; #5\$'N#'.)#&#9/&#10: : /&.' .)#'3/&5+7E' /9'5&\*9.'\*&.+C4#'  
RU\$! +75904' /9' .)#'1+' +4\* &+.#1'<#.3##7'5&\*9.'\*&.+C4#'RU'\*75'5&\*9.'\*&.+C4#'R,': \*&\*E&\* : )'  
P,' </.)' C/7.\*+7+7E' X3+.) /0.' : &#M05+C#Y' C4\*01#1,' 3# ' \*41/' \*E9631.105828 (.) TTT14100.245' \*X3

J#7C#,')#': &/: /1#5'\*&.c4# 'RW'\Z]'C/045')\*; #'.)#': &\*C.c\*4' #99#C.' /9'5+1./&.+7E'.)#'  
<\*4\*7C#'/9'.)#'+7.#&#1.1'/9'.)#'9/&0" 'A.\*.#'\*75'.)#'A.\*.#'/9'.)#'/99+C+\*4\$'N#'\*41/'.\*6#'  
7/.#'/9'.)#'5#4<#&\*./71'/9'.)#'(/" " +1+/7'&#E\*&5+7E'.)+1': &/; +1+/7;'7C405+7E'; #31'  
\*75'5/0<.1'#T: &#11#5' <@' 1/" #' " #' <#&1\$' (/71#00#7.4@,') +1': &/; +1+/7' 1##" 1'./'  
" #&+. '90&.)#&#T\*" +7\*./7\$'

,

D)#'

E/+7E' : \*&.+\*4@' /&' 904@' 075#&' 3\*.#&,' 1#\* 4#; #4' &+1# C\*7' 9/&' +71.\*7C#'+7C&#\*1# 4\*75'  
5#E&\*5\*.+/7,' : #&+/5+C' 94//5+7E,' \*75' C/7.\*" +7\*.+/7' /9' 9&#1) 3\*.#&\$' 2.' +1\*'. )&#\*.' /7'  
" 04.+: 4#' 4#; #41,' 7/.' 4\*1.' 9/&' 1" \*4'+14\*75' 5#; #4/ : +7E' 1.\*.#1,') \*.' ) \*; #' 5/7# 4+.4#'. /'  
C\*01#' C4+" \*.#' C)\*7E#<0.' \*&# 4+6#4@' ./' 1099#&' )#'" /1.' 9&/" '+.\$'

D)#' 2\_ ( ('+1' C4#\* &' /7'. ) \*.' +.' +1' X07#00+; /C\*4'. ) \*.' ) 0" \*7'+7940#7C#') \*1' 3\*&' #5'. )#'  
\*.' " /1: )#&#; /C#\*7'\*75' 4\*75\$Y' 2.' +1'. )#&#9/&#': #&.+7#7'. ) \*.' +7'+.1' 3/&6' /7'. )# 4#E\*4'  
\*1: #C.1' /9' 1#\* 4#; #4' &+1#,' )# ( /" " +11+/7' <0+51' /7' 1#\*B#; #4' &+1# 50#'. /' C4+" \*.#'  
C)\*7E#\*1'\*1'C+#7. +C\*4@': &/; #7'9\*C.\$'

! " # \$ % ! & \$ ( ) \* + & , "

D)#' '? /&5+C' ( /07.&#1' \* &# 4 / / 6+7E' 9 / & 3 \* & 5' . / '#7E\*E+7E' 3+.' )# ( /" " +11+/7' 7#T.'  
@#\* & , \* 9 . # & + . 1 ' A . 05 @ ' a & / 0 : ' \* 55 & # 11 # 1 + 110 # 1 ' & # 4 \* . # 5' . / ' . ) # ' 10 < . / : + C 1' / 9' 1 . \* . # ) // 5 \* 1'  
3#4#\*1'. )#': &/ . # C . + / 7' / 9' : # & 1 / 71' \* 99 # C . # 5' < @ ' 1 # \* B # ; # 4' & + 1 # \$ ' N # ' & # \* 99 + & " ' / 0 & ' 10 : : / & .'  
. / ' . ) # ' \* : : & / \* C ) ' / 9' . ) # # ' 10 < . / : + C 1 , ' . / < # ' + 7 C 4 0 5 # 5' + 7' \* ' 9 + 7 \* 4 + L # 5' 10 < 1 . \* 7 . + ; # ' & # : / & .'  
/ 7' . ) # ' . / : + C' / 9' 1 # \* 4 # ; # 4' & + 1 # \$'

D)#' 9+&1.' 10<./: +C' 3\*1'. )# 4\*3' /9'. )# 1#\*, '5+1C011#5' <@'. )# ( /" " +11+/7'. ) +1' @#\* & \$ ' 27'  
. ) +1' C / 7 . # T . , ' . ) # ' ? / & 5 + C 1' C \* 77 / . ' / ; # & B " : ) \* 1 + L # ' . ) # ' + ' : / & . \* 7 C # ' / 9' . ) # ' ` 7 + . # 5'  
? \* . + / 71' ( / 7 ; # 7 . + / 7' / 7' . ) # ' 8 \* 3' / 9' . ) # ' A # \* , ' 3 ) + C ) ' 1 # . 1' / 0 . ' . ) # ' 4 # E \* 4' 9 & \* " # 3 / & 6'  
3+.) +7' 3) + C ) \* 4 \* C . + ; + . # 1' + 7' . ) # / C # \* 71' \* 75' 1 # \* 1 " " 01 . ' < # ' C \* & # 5' / 0 . \$ - 1' . ) # ' : & + 7 C + : \* 4'  
& # \* . @ / 7' . ) # " ' / 5 # & 7' 4 \* 3' / 9' . ) # ' 1 # \* , ' + . ' ) \* 1' E # # \* . 4 @ C / 7 . & + < 0 . # 5' . / + 7 . # & 7 \* . + / 7 \* 4' : # \* C #'  
\* 75' 1 # C 0 + . @ ' 1 + 7 C # ' + . 1 \* 5 / : . + / 7' + 7' R V U P \$ 2 . ' : & / ; + 5 # 1' : & # 5 + C . \* < + . @ \* 75' 1 . \* < + . @ , ' \* 75' + . 1'  
07+; # & 1 \* 4 \* 75' 07 + # 5' C ) \* & \* C . # & ' 1 ) / 045' < # ' 1 \* 9 # E 0 \* & 5 # 5' \* 75' 1 . & # 7 E . ) # 7 # 5 \$'

8+6#\* 7@' / . ) # & 4 # E \* 4' + 71 . & 0 " # 7 . , ' . ) # ( / 7 ; # 7 . + / 7' 1 ) / 045' < # ' + 7 . # & : & # . # 5' + 7' 4 E ) . ' / 9'  
C ) \* 7 E + 7 E ' C + & C 0 " 1 . \* 7 C # 1 \$ ' D ) \* . ' 1 \* + 5 , ' + . 1 # # " 1' : # # " \* . 0 & # \* ' . . ) + 1' M 0 7 C . 0 & # 9 / & . ) # ' ? / & 5 + C'

C/07.&#1'./':&/7/07C#' /7' .)#':&#C+1#' 4#E\*4' +' :4C\*./71' /9' 1#\*B4#; #4' &+1#' +7' .)#'  
C/7.#T.'/9'` ?(8[ A\$'''

2.'+1' #; +5#7.'9&/" '.)#' 3/&6' /9' .)#' 28 ('A.05@a&/0: '1/'9\*&,'.) \*.'1#; #&\*4'+110#1'1.44'  
7##5'./'<#'#T: 4/&#5'\*75'5+1C011#5\$'N#'.)#&#9/&#3#4C/" #'#T.#75+7E'.)#' 3/&6' /9' .)#'  
(/" " +11+/7,'10C)'\*1'/7'1. \*.#': &\*C.+C#'\*75'

A)/045' +.': &/; #' 01#904,' .)#' ?/&5+C1'\*41/' 10: : /&.' .)#' (/" " +11+/7' " +E).'C\*44'  
0: /7'1C+#7.+9+C'\*75'.#C)7+C\*4'#T: #&.1,'+7'\*1#4#C.+; #'\*75'4" +.#5'" \*77#&\$' N+.)+7' .)#'  
4\*3'/9' .)#'1#\*'.)#&#'+1'\*E&/3+7E'4#E\*4,'1C+#7.+9+C,'\*75'.#C)7+C\*4'+7.#&: 4\*@&\$'

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! " #&\$%! &\$' () \*+&,'''