1 (#4\$&56. #7&8 4#2%*7#\$0&

"#\$%&!'()\$*!+%\$,-.*\$&/!0"'+1!\$*!#!2.\$,#&-3!4#&5(6\$73!8-*)\$&!+%\$,-.*\$&/9!"'+!:\$**\$(%!7-%&.#6\$;-*!<*-.,\$7-!&(!
(&5-.*=!#%>!&5-!<2).*)\$&!(?!&.)&59=!"'+!*&.\$,-*!?(.!-@7-66-%7-!\$%!().!#7#>-:\$7!#%>!7(::)%\$&/A?#7\$%B!#7&\$,\$&\$-*!
C5-.-!-D)\$&/!#%>!E)*&\$7-!#.-!#!7(::(%!B(#69!F??(.&*!&(C#.>*!-D)\$&/!(%!#%>!(??!7#:2)*!5#,-!#!6(%B!*&#%>\$%B!
&.#>\$&\$(%!#&!"'+!\$%76)>\$%B!&5-!\$%\$&\$#&\$(%!(?!&5-!"'+!GHIJ!

#>>\$&\$(%3!C-!Q-6\$-,-!().!?\$%>\$%B*!C\$66!Q-!B-%-.#6\$;#Q6-!&(!(&5-.!)%\$,-.*\$&\$-*!C5(!#.-!*&.)BB6\$%B!&(!>-?\$%-!*-.,\$7-! C(.O6(#>!#%>!>-,-6(2!#!7)6&).-!C\$&5\$%!C5\$75!*-.,\$7-!\$*!-D)\$&#Q6/!>\$*&.\$Q)&->!#%>!,#6)->9!

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G5\$*!*&)>/!&((O!#!D)#6\$&#&\$, -3!>-*7.\$2&\$, -!#22.(#75!04(6(.#?\$!^!F,#%*3!RSKf1!C5-.-!&5-!?(7)*!\$*!(%!>-*7.\$2&\$(%!(?!&5-!g-,-./>#/%-**g!(?!?#7)6&/!*-.,\$7-9!I%!&5\$*!C#/3!&5-!B(#6!C#*!&(!>-,-6(2!7(%7.-&-3!:-#%\$\B?)6!>-*7.\$2&\$(%*!\&5#\&!*\&\)#\&-!*-.,\$7-!#7\&\$,\$\&\$-*!C\$\&5\%!\&5-!#7\#>-:\$7!C(.6>*!(?!2#.\&\$7)6\#.!#7\#>-:\$7!)\%\&*9!Z-\$\%B\&\$\\!#\\!#7\#>-:\$7!\%\&-\@\&!\#\\>!2-.?(.:\$\%B!*-.,\$7-!\#7\&\$,\$\&\$-*!7\#..\$-*!2\#.\&\$7)6\#.!:-\#\\\$\\B!\#\\>!,\#6)-3!\#*!\#!.-*)6\&9!G5)*3!C-!\#\\$:->!\&(!\)\%>-.*\&\#\\>!\&5\\$*!?((:\!\&5-!\?\#7)6\&/!C(.06(\#>!\#*\\$B\):-\&\\$\!#\\>!\\$\\!\.-,\$-C\\$\\B!2.(:(\&\\$(\\!\#\\>\!\\.-\)).-\!\#226\\$7\#\\\\$(**\\9!\T):\#\\!*\)QE-7\&*!.-*-\#.75!\#22.(,\#6!C\#*!(\Q\\#\\%\->!?.(:\!\&5-!\"\+!\IHZ!0h_RSYL19!

'*6-%=.*%7!

 $\begin{array}{l} k - @\&3!\$\%\&\$\#6!\&5 - : -*!C - . - !*5\#. - >!C\$\&5!) \%\$, -.*\$\&/!*\&\#O - 5(6> . *!\$\%76) > \$\%B!?\#7) 6\&/3!> - \#\%*3!> - 2\#.\&: -\%\&!75\#.*3!\#\%>!\\ \#**(7\$\#\&-!2.(,(*\&*!?(.!B-\%-.\#\&\%B!\%-C!: - \#\%\%B*3!>\$, -.B\$\%B!-@26\#\%\#\&\$(\%*3!\#\%>!\#: -\%>!().!?\$\%\#6!\&5 - : -*!\#\%>!\\ 7(\%76) *\$(\%*9!G5\$*!C\#*!*5\#. - >!Q(\&5!\&5.()B5!?(.: \#6!2.-*-%\&\#\&\$(\%*!$\%!: --\&\$\%B*!\&(!, \#.\$()*!B.()2*!\#\%>!, \$\#\#!C-QAQ\#*->!*-%\&!\&(!\#66!?\#7) 6\&/9! 4 (:: -%\&*!6-?\&!Q/!?\#7) 6\&/!(\%!\&5-!*)., -/!C-.-!7(>->!?(.!\#B.--: -%\&3!>\$, -.B\$\%B!\\ 2-.*2-7\&\$, -*!(.!-@\#: 26-*3!\%>!)*->!&(!>-?\$\%-!\#!: -\&\#A\&5-: -9!I\%!\#>>\&\$(\%3!\#5-!7(:: -\%*!*-., ->!\&(!.-?\%-!\&5-:-*3!) (??-.!7(\%7.-\&-!\$: 26\$7\#\&\$(\%*3!\#\%>!2.(, \$>-!*\&(.\$-*!\#Q()\&!\&5-!\$: 2\#7\&*!\#%>!\&-\%*\$(\%*!-@2-.\$-\%7->!\$\!?\#7) 6\&/!*-., \$7-!\#7&\$, $\&\$-9!! \end{array}$

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*-.,$7-!#7&$,$&$-*9!G5()B5!&5$*!C#*!:(*&6/!>)-!&(!?--6$%B!(,-.6/!<C#&75->=!#%>!<:$7.(A:#%#B->=!$%!&5-$.!
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!
< P%&O"(&"&345#49%&, &&3,55%3#$B%&%8,9#&$)&,49&(%H"9#?%)#&70$30&7,9L%(&B%96&7%55&4)#$5&M4(A%#&H9%--49%-&
$)39%"-%(&7,9L5,"(&")(&#0%&3,)3499%)#&M%")*3,4)#$)A&M%A")&@,7.&-,?%&8"345#6&"9%&9%84-$)A&#,&(,&-%9B$3%&
7, 9L9=!0?#7) 6\&/1!
"(:-!2#.&$7$2#%&*|>-*7.$0->!&./$%B!&(!7.-#&-!#!7)6&).-!(?!*-..$7-!$%!&5-!>-2#.&:-%&!&5#&!$*!7(%%-7&->!&(!&5-!
)%$,-.*$&/!:$**$(%9!P(.!-@#:26-3!(%-!$%&-.,$-C--!>-?$%->!?#7)6&/!*-.,$7-!#*!<$%&.$%*$7!&(!().!$>-%&$&/!#*!#!
>-2#.&: -%&9=!I&!*--:->!&(!7.-#&-!#!&(6-.#%7-!?(.!:(.-!$%,$*$06-!*-.,$7-9! a-&!$%!&5$*!-??(.&3!&5-.-!C-.-!*-,-.#6!
2#.&$7$2#%&*!%(&->!5(C!*-.,$7-3!-,-%!$?!?&&&$B!$%!&5-!:$**$(%!#%>!$>-%&$&/!(?!&5-!>-2#.&:-%&!#%>!)%$,-.*$&/3!7#%!
 O-!\&\$: -!7(\%*): \$\%B!\#\%>!\%(\&!B-\%-.\#\&-!\&.\#>\$\&\$(\%\#6!?(.:*!(?!*75(6\#.*5\$2!?(.!7(\%*\$>-.\#\&\$(\%!\$\%!2.(:(\&\$(\%!\#\%>!\&-\%).-i!!)))))) 
K[,4k3")&(,&-$A)$8$3")#&7,9L&7$#O&,#0%9-&,9&7$#O&3,??4)$#6&A9,4H-.&M4#&$&6,4&(,)T#&-,?%0,7&A%#&H''$(&#,&(,&$#&
, 9&6, 4&(, )T#&A%#&"&H4M5$3"#$, )&, 4#&, &&$#.&$#&(,%-)T#&3,4)#&8, 9&")6#O$)A&<&?%")&$#&7"-)X#&"&5$)%&, )&?6&DEQN!
0\%\&\dagger.,\$-C!\2\#.\&\$7\$\2\#\\&\1!
P#7)6&/!#6*(!%(&->!&5$*!&-%*$(%!#%>!7(%7-.%!&5#&!*-.,$7-!.-7(B%&&$(%!C()6>!)%>-.:$%-!*75(6#.6/!2.(>)7&$,&&/!#%>!
.-2)&#&$(%i!!
K<)&?6&%IH%9$%)3%.&-430&-%9B$3%&$-&84556&"HH9%3$"#%(&")(&$-&9%3, A)$Z%(&M6&1%")-&")(&1%H"9#?%)#&30"$9-&<#&(,%-&
),#&O,7%B%9&W3,4)#X&#O%&-"?%&"-&%I3%55%)3%&$)&9%-%"93O.&7$))$)A&)%7&A9")#-.&84)($)A&-#4(%)#&9%-%"93O.&%"9)$)A&
9%3, A)$#$, )&8, 9&, 4#-#")($)A&#%"30$)A.&, 9&5%"($)A&"&3, ? ? $##%%&, 8&"&) "#$, ) "5&H9, 8%--$, ) "5&, 9A")$Z"#$, )&PO$5%&#O%&
8,9?-&,8&$)B$-$M5%&-%9B$3%&#0''#&6,4&(%-39$M%&$)&G0%?%\&''9%&$?H,9#'')#&#,&''&(%H''9#?%)#&")(&#0%&{1})$B%9-$#6.&#0%6&
"'9%k), #k"-&$?H,9#")#k#, &$)-#$#4#$, )"5k"3"(%?$3k9%H4#"#$, )k,9k5, )A*#%9?&H9,8%--$, )"5k(%B%5,H?%)#k,8k")k
$)($B$(4"5&"-&"&8"345#6&?%?M%90&<&"?&3,)3%9)%(&#0"#&H%,H5%&70,&"9%&5,,L$)A&8,9&\$)B$-$M5%X&-%9B$3%&#,&3,4)#&
?,9%k"9%k,)%-&70,&"9%k-0,9#&$)&"30$%B%?%)#&,8&#0%k"9%"-&#0"#&?"##%9&?,9%k,9&7,9L&8,9&"&(%H"9#?%)#&30"$9&7$#0&
X5-%!$\(\delta\) \(\delta\) \(\de
2#. &$7$2#%&*!#B.-->!&5#&!?#7)6&/!*-.,$7-!C#*!2((.6/!.-2.-*-%&->!#%>!)%>-.,#6)->3!-*2-7$#66/!$%!.-6#&$(%!&(!:(.-!
76-#.6/!>-?$%->!7.$&-.$#!?(.!&-#75$%
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KGO$-&H9''3#$3%&, 8&''-L$)A&#O%&H%, H5%&7O, &7$55&-''6&6%-.&9''#O%9&#O'')&($-#9$M4#$)A&#O%&7, 9L&%; 4$#''M56&$)&#O%&
(\%H'''9\#?\%)\#\&\$-\&VI'''3\#56\&70''\#\&L\%H-\&7,?\%).\&a</YD.\&'')(\&=CaGbc\&8''345\#6\&89,?\&''(B'')3\$)A0N\&0?\#7)6\&/1!
G5.--!>-2#.&: -%&!6-#>-.*5$2!$%&-.,$-C!2#.&$7$2#%&*!%(&->!&5#&!*(:-!?#7)6&/!#.-!%(&!<B((>!.-2.-*-%&#&$,-*=!&(!2)&!
(%!)%$,-.*$&/!7(::$&&--!(.!<>(%U&!26#/!C-66!C$&5!(&5-.*=!*(!&5-/!.-6$->!(%!?#7)6&/!C5(!C()6>!2-.?(.:!Q-&&-.9!
KGO%49%7"9(&8, 9&M%$)A&"&#%99$M5%&3,55%"A4%&$-&#,&),#&O"B%&")6&%IH%3#"#$,)-&#,&(,&-%9B$3%&[%#&"),#O%9&8,9?&,8&
%IH5, $#"#$, )&, 8&#O%&8"345#6&70, &"9%&?, -#&4)$, 9&?, -#&3, ? ? $##%(&#, &#O%$9&-#4(%)#-QN!0?#7)6&/1!!
P#7)6\(\alpha\/!7(::-\%\dak*!\)#6\(\!\(\frac{1}{2}\)-\.\!\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\[\dak*\]\(\dak*\)\(\dak*\)\[\dak*\]\(\dak*\)\(\dak*\)\[\dak*\]\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)\(\dak*\)
.(6-*!0!&5-!:-%&#6!#%>!2.#7&$7#6!7#2#7$&/!>)-!&(!75$6>7#.-!.-*2(%*$0$6$&$-*3!$%,$*$06-!(.!,$*$06-!>$*#0$6$&$-*3!
75.(%$7!#%>!:-%&#6!$66%-**3!#%>!2(C-.!>/%#:$7*!(%!&5-!Q#*$*!(?!B-%>-.!(.!.#7-!&5#&!:#O-!$&!>$??$7)6&!&(!*#/!q%(Ui!
K < \ell O'' B \% \ell ), \# \$ 3 \% ( \ell ? 6 \ell 3 , 55 \%'' A 4 \% - \ell 7 O, \ell '' 9 \% \ell ), \# \ell / Y D - \ell R H \%, H 5 \% \ell , 8 \ell 3 , 5 , 9 S \ell ), \# \ell , 15 \ell 6 \ell (, \ell ), \# \ell O'' B \% \ell'' ) 6 \ell ; 4'' 5 ? - \ell \ell'' M , 4 \# \ell
- ''6$)A&W),.X&M4#&$#&''57 ''6-&-%%?-&#,&M%&9%3%$B%(&`4-#&8$)%0&<&(,)T#&''57 ''6-&8%%5&0%''9(&70%)&3,??4)$3"#$)A&-430&
3, )85$3#-&70$30&-, ?%#$?%-&5%"(-&?%\#,&30,,-%\&),#\\#,&-"6\\")6\#0\$)AQN!0?\#7)6\&/1!
\>>$&$(\%#6!*-.,$7-3!B$,-\%!\$\\$!6#70!(\?!,\#6)-!\$\\!#\\%)\#6!.-,\$-C*3!:-.\$\!.\#\$*-*3!\#\>!2.(:(\&\$(\%!\#\>!\&-\%).-!2.(7-**3!
*-&*!)2!*(:-!?#7)6&/!?(.!Q#..$-.*!&(!#>,#%7-:-%&9!I%!&#60$%B!#Q()&!2.(:(&$(%!#%>!&-%).-3!(%-!$%&-.,$-C!
2\#.\&\$7\$2\#\%\&!7(::-\%\&->i!
Kd55&<&3")&-"6&8-&70%)&<&7"-&A,$)A&4H&8,9&#%)49%&$#&8%5#&5$L%&70"#&<&7"-&9%"556&M%$)A&?%"-49%(&,)&7"-&-30,5"956&
H9, (43#$B$#6&")(&; 4"5$#6&")(&; 6"0%k, #0%9k-#488k7"-k-, 9#k, 8&5$L%.&"-&5, )A&"-&6.47"-)T#k-39%7$)A&4H&")(&5$L%&O"B$)A&
-#4(%)#-&0''#%&?%&'')(&<&0''(&),#0$)A&#,&-O,7&8,9&-%9B$3%&#0''#&<&7''-&H9,M''M56&8$)%N&&
"(:-!2#.&$7$2#%&*!>-*7.$0->!#7&$,-6/!:-%&(.$%B!E)%$(.!?#7)6&/!#C#/!?.(:!*-..$7-!C5-.-#*!(&5-.*!%(&->!#!%-->!&(!
Q-B$%!&(!,#6)-3!2#/3!#%>!2.(:(&-!?#7)6&/!(%!&5-!Q#*$*!(?!-@7-66-%&!*-.,$7-!#%>!&-#75$%B9!G5-.-!*--:->!&(!Q-!&C(!
68%-*!(?!7(:2-&$%B!&5()B5&!o!C(.0!&5-!#7#>-:$7!*/*&-:!#*!$&!$*!(.!75#%B-!&5-!*/*&-:!-%&$.-6/9!G5-!6#&&-.!#6*(!
```

K < & "? & " ? M\$B "5%) # & "M, 4#& (\$B\$(\$)A&84)3#\$,) -& , &&9% - &"930.&#%" "30\$)A.&") (&-%9B\$3%.&M%3"4-%&&M%5\$%B%�%6&\$) #%9"3#&\$) & -&A)\$\$\$3") #.&%) 9\$30\$)A&7"6-Q&249#0%9.&W-%H"9"#%&M4#&%; 4"5X&(, %-&), #&"57"6-&7, 9LQ&PO\$5%&#&-%%?-&M%-#&#, &"55, 7&H%, H5%&#, &(, �%&7, 9L�%6&(, &")) (&

$$\begin{split} & I\%\&-.\,,\$-C!2\#.\&\$7\$2\#\%\&*!>-*7.\$Q->!?--6\$\%B!*\&)70!\#\%>!)\,\%\#Q6-!\&(!:\#0-!75\#\%B-*!\#*!(22(.\&)\%\&\$\&^*!\#.(*-!?(.!?\#7)6\&/9!)) \\ & P(.!-@\#:26-3!(\%-!>-*7.\$Q->!\#!?\#7)6\&/!:-:Q-.!C5(!C\#*!\%(::\$\%\#\&->!\&(!\#!2.-*\&\$B\$()*!\%\#\&\$(\%\#6!7(:::\$\&\&--!\$\%!\&5-\$.!)) \\ & ?\$-6>!\#\%>!\&5\$*!7.-\#\&->!\#!7(\%)\%>.):!\$\%!5(C!\&(!\#>E)*\&!\&5-\$.!C(.06(\#>!::\$>A*-:-*\&-.9!1-?\$\%\&\$(\%*!(?!*-.,\$7-!\#6(\%-!))) \\ & >\$>!\%(\&!.-*(6,-!\&5-!\$:26-:-\%\&\#\&\$(\%!(?!\#!C(.06(\#>!2(6\$7/!\&5\#\&!7()6>!?6-@\$Q6/!.-*2(\%>!\&(!\&5-!2.(?-**\$(\%\#6!\%-->*!))) \\ & \#\%>!.-C\#.>!-@7-66-\%7-!\$\%!*-.,\$7-!(?!\$\%>\$,\$>)\#6!?\#7)6\&/9!! \\ & 1. \end{split}$$

KGO%&\$--4%&, &&)\$?M5%)%--&\$-&),#&5\$?\$#%(&#,&-%9B\$3%&*&

- K9 4 (%&\$%) ->!.-*-#.75!&5#&!\$*!\$%76)*\$, -!(?!*-.,\$7-!#7&\$,\$&\$-*3!#&&\$\)>-*!#%>!,#6) -*!#**(7\$#&->!C\$&5! 2#.&\$7\$2#&\$%B!\$%!*-.,\$7-!#7&\$,\$&\$-*3!7)..-%&!-@2-.\$-%7-!(?!Q).%()&!#%>!6#7O!(?!.-*().7-*9!\%!(%6\$%-!*).,-/! (.!#!*-.\$-*!(?!?(7)*!B.()2*!7()6>!#**\$*&!\$%!#!Q.(#>-.!7(66-7&\$(%!(?!-@2-.\$-%7-*9!
- R9 4 (%>)7&\$%B!#!.-,\$-C!(.!#%#6/*\$*!(?!>-2#.&: -%&!C(.O6(#>!2(6\$7\$-*!?(.!\$>-%&\$?/\$%B!,\$*\$Q6-!#%>!6-**!,\$*\$Q6-! *-.,\$7-!#7&\$,\$&\$-*!#%>!&5-\$.!#66(7#&\$(%9!

'*%/#B#4(*0&L%-6BB%4=(\$#647&

- K9 G.#70*!&(!2.(: (&\$(%!?(.!&-#75\$%B3!#>: \$%\$*&.#&\$(%3!#%>!*-.,\$7-!&(!-*&#Q6\$*5!,#6)-!\$%!&5-*-!*\$B%\$?\$7#%&!#.-#*! (?!C(.06(#>!&5#&!(,-.6#2!C\$&5!*-.,\$7-!0#%>!&5-!7#.-B\$,\$%B!(?!&5-!)%\$,-.*\$&/19!
- R9 1 -*7.\$2&\$(%!(?!*-.,\$7-!%-->*!&(!.-*2-7&!C\$>-!,#.\$#&\$(%*!\$%!#7#>-:\$7!>-2#.&:-%&*!&5#&!:#O-*!,\$*\$Q6-!, #6)#Q6-!#7&\$,\$&\$-*!(?!3"9%A\$B\$)A3!-%9B\$3%&5%"(%9-0\$H&#O"#&\$-&\$)-#\$#4#\$,)"5&M4\$5(\$)A&^%QAQ.&-O,7-&%I3%55%)3%&")(&\$?H"3#&,)&3,??4)\$#\$%-&-%9B%(_Q!
- _9 k -->!?(.!#!7)6\delta).#6!*5\sigma\langle \langle \
- N9 I%&-B.#&\$(%!(?!<B((>!7\$&\$;-%=!\$%!:-%&(.\$%B!2.(B.#:*!#%>!&.#\$%\$%B!?(.!>-#%*!#%>!75#\$.*9!
- Y9 4.(**A:-%&(.\$%B!#%>!&.#\$%\$%B!(?!>-2#.&:-%&!#%>!7(66-B-[*75((6!6-#>-.*5\$2!#Q()&!C(.06(#>3! 2.(:(&\$(%[&-%).-3!#%>!?#7)6&/!:-%&(.\$%B9!
- f9 G5-!)%\$, -.*\$&/!#*!#!C5(6-3!#%>!#&!&5-!5\$B5-*&!6-, -6*!(?!#>: \$%\$*&.#&\$(%3!%-->!&(!7(%*\$>-.!5(C!&(!*)22(.&! #%>!.-C#.>!-@7-66-%7-!\$%!?#7)6&/!*-.,\$7-9!

L%H%*%4-%7&

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4 (6(.#?$3! b 9!893! ^ !F , #%*3!Z9!0RSKf19! d )#6$&#&$ , -!>-*7.$2&$ , -! : -&5 (>*!$%!5-#6&5!*7$-%7-!.-*-#.759! ' : + 1 J& ' %"5#O& : )B$9, ) ?%)#-&+%-%"930&V&1%-$A)&h, 49) "53&i0N13!KfARY9!! !

4 .$*&3!89! 1 93! ^ !G#%-.3!49! \ 9!0RSS_19!I%&-.2.-&#&$(%[#%#6/*$*! : -&5 (>*!$%!5-.:-%-)&$7!$%&-.2.-&$, -! 25-%(:-%(6(B/9)!@49-$)A&+%-%"9303&je0_13!RSRARSY9!! !

F#B#%!8.3!V9!b93! ^ !c#., -/3!89!49!0RSKY19!"&.-**$%B!()&i!4(%%-7&$%B!.#7-3!B-%>-.3!#%>!*&.-**!C$&5!?#7)6&/! 2.(>)7&$,$&/9!GO%h, 49) "5&,&&'$AO%9&:(43"#$,)3&k10f13!LR_ALYN9!! !

c#., -/3!89!493! ^ !H#%O$%3!"9!"9!0RSKM19!G5-!$%?6)-%7-!(?!7#:2)*!76$: #&-!#%>!).Q#%$;#&$(%!(%!D)--.A*2-7&.): !#%>! &..#%*A*2-7&.): !?#7)6&/!$%&-%&!&(!6-#,-9!
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