

UCL

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! "#\$%\$&' ()*+, -' . ")&/+)01" &

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(#\$!&' ((%\$!2\$3' 2\$!, ' /!' !1%\$' (\$%, #' %%\$!*!=!) +AO)1%' +(, !\$+(\$%) +1!(#\$!, \$%C)3\$!3&' , , @' +2!' &, *!' !
1%\$' (\$%, #' %%\$!*!=!) *5(AO)1%' +(, !\$-\$%, \$+(\$2!) +!(#\$!, \$%C)3\$!3&' , , !(#' +!(#\$!\$' %\$)\$%2\$3' 2\$@
2\$O*+, (%' () +1!(#' (!(\$!\$, 3' & (*%# 2!, (%\$+1(\$#+\$2!

< A*B)2ACD@5!99!M99!

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@\\$9%+) ' I)2' . &+. &"')

a'(')k'PK!

F)2)+1AV ->.....![[9!

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FJ?@)AK)@=>F! ?)=DB)KJGC*! ?))

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6)15%\$!9f!F\$1)*+'&+\$(!O)1%'()*+!*=&!9\A; e!4\$' %!*&2,!)+!(#\$!4\$' %,!!

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"' . &\$!9!f!H#%\$!*=%\$1)*+'&!O)1%+(,!1\$2!9\A;e!/#*!'%%)C\$2!)+"!

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6) 15%\$!; !f!W%* - *%() * +!* =!#) 1#&4A\$253' (\$2!%\$1)* + ' &!O) 1%' +(,! 1\$2!!

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" .. &\$!; !f!F\$1)*+' &(%' +,)() *+!%' (\$, !=*%!2)=\$%\$+(!O)1%' +(!1%*5-,!!

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"' . &\$! [!!O# '% 3(\$%), ()3,!)+!; LL9!*!=!(#*, \$!O)1%' ()+1!*5(!*!=\${' 3#!

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" .. &\$!e!f!H#%\$!*!=O)1% + (,! 1\$2!9\A;]!=%*O!\$' 3#!%\$1)* +!(# (!!

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" .. &\$!] !A!"%'+ ,)) * + !%' (\$, !* =!(#* , \$!/ #* !O) 1%' (\$2!(*!(#\$!G*+2*+AH*5(#\$' , (!!!

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" .. &\$!\\!A!O#%' 3(\$%), ()3, !*=!(#*, \$!&\$' C)+1!(#\$!G*+2*+AH*5(#\$', (!

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JD@*ABC2@JAD)

! H*3)' &O*.)&(4@' &(#!51#!' !3*O-&\$E!3*+3\$-(@' --\$' %,!(*!# C\$!3' -(5%\$2!-*&)()3' &
O' 1)+' ()*+,!) +!%\$3\$+(!()O\$,!I+(\$%+1!-*&)(3' &2),3*5%,!(\$%*51#!(\$!) +(\$%,(,!*=!''*+4!b&)%)!,
R\$/!G'. *5%!1*C\$%+O\$+(!8^*&2(\$%*-\$@; L9[<@)(!/,!-%*35%\$2!' +2!-%*%)(),\$2!. 4!(\$#!3*' &)()*+!
1*C\$%+O\$+(!/#*!-5.),#\$2!' !2\$(')&\$2!,(%' (\$14!/)(\$#+!4\$' %!*!=*%O)+1! 1*C\$%+O\$+(!8NS!
^*C\$%+O\$+(@; L9L@NS!^*C\$%+O\$+(@; L99<!'"#,!#',!3*+()5\$2!)+(*!(\$#!35%\$+(!
0*+, \$%C')C\$!1*C\$%+O\$+(@/#*!, \$(!5-!(\$#!H*3)' &S*.)&(4!0*O O,,)*+!/)(#)+!O*+(#,!*=!
1')+)+1!-*/\$%!O&\$' %&4@(\$%%!),!,)1+)=3' +(!) +(\$%, (!)+!5+2\$, (' +2)+1!#*!/(\$#!)=!3#' +3\$, !*=!
-\$* -&\$!)+!b%(')+!3' +!. \$!)O-%*C\$>!!!

! P+(\$%+' &O)1%' ()*+!#',!. \$\$+!3#' O-)*+\$2!' ,!*+\$!O\$' +, >| E(\$+,)C\$!%, \$' %3#!#',!
5+3*C\$%\$2!' !&+D!. \$(/\$\$+! 1%\$' (\$%!-%*-\$+,)(4!(*!\$E-\$%)\$+3\$!5-/!%2!, *3)' &O*.)&(4!' +2!
) +(\$%+' &O)1%' ()*+!'"#,!%\$&' ()*+, #)-!#, !' !/\$&A2*35O\$+(\$2!#), (*%4@\$+3' -, 5&' (\$2!. 4!(\$#!
\$, 3' & (*%(\$%*4!3*+3\$)C\$2!. 4!''*+4!6)\$&2)+1!)+!(\$#!'\$ %&4!9: : L,!86)\$&2)+1@9: : ; <!G)+D,!
. \$(/\$\$+!O)1%' ()*+! 2!5-/!%2!, *3)' &O*.)&(4!# C\$!,) +3\$!. \$\$+!, #* /+!(*!335%) +!(\$#!9: KL,!
86)\$&2)+1@9: : ; <@(\$#!9: ML,!86)\$&2)+1@9: :] <@' +2!(\$#!9: : L,!80# O-)*+!\$(!'<&@; L9e<IN*/\$C\$%&
\$C)2\$+3\$!-%*O!(\$#!=%), (!2\$3' 2\$!*=!(\$#!+\$!O)\$\$++5O!#, !4\$(!(*!. \$!5+3*C\$%\$2@a' ('!
5+ C')& .)&(4!#, !. \$\$+!(\$#!-%)O' %4!%\$' , *+!=*%#(#, !" \$, ()+1!%\$1)*+' &\$, 3' & (*%, !' +2!'- -&4)+1!
(#\$!\$, 3' & (*%(\$%*4!), !O*, (13*O O*+&4! 3#)\$C\$2!(\$%*51#!' +!'+ ' &4,), !*=!(\$#!Q=)3\$!=*%!
R' ()*+! &H(' (), ()3,!G*+1)(52)+! &H(524!*=! +1&'+2!'+2!J' &\$, !8QRHAGH<@' !2' (' , \$(!#(!5, \$,!
0\$+, 5, !)+=*O' ()*+!(*!(% 3\$!' !& 1\$!, ' O-&\$!*=!-\$* -&\$!\$C\$%4!(\$+!4\$' %, !Q+!a\$3\$O. \$!9! '#\$!-%)O' %42!, *+1
;

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"#\$!, (524!/) && 3*O - ' %%!(#\$!-\$%-*%O' + 3\$!*=!(#\$/G*+2*+AH*5(#\$' , (7,!\$, 3' & (*%) + !(#\$!; LLL!
/)(#!)(,-\$%-*%O' + 3\$!) + !(#\$!9: : L, !"#\$!G*+2*+AH*5(#\$' , (!#' , !. \$\$+!(#\$!2*O)+' + (!%\$1)*+' &
\$, 3' & (*%) + !I + 1& + 2! + 2!J ' &\$, !,) + 3\$!' (!&\$' , (!(\$!9: KL, @' + 2!), !(#\$%\$=*\$!/\$&, 5)(\$2!' , !'
O*+)(*%!*=!'+4!,)1+=)3' + (!3#'+1\$, !S*%\$!, -\$3)=)3' && 4@!(#\$!, (524! (((\$O-(, !(*!'+, /\$%!(#\$!
-*&* /)+1!%, \$' %3#IB5\$, ()*+, ?!

9> N*/!2)2!(#\$!\$, 3' & (*%3*O-*+\$+(, !)+!(#\$!%\$1)*+, !*=!I + 1& + 2! + 2!J ' &\$, !-\$%-*%O!)+!(#\$!
)+(\$3\$+, ' &-\$%)*2!. \$(/\$\$+!(#\$!; LL9!'+2!; L99!0\$+, 5, \$, h!

9>9> J #)3#!%\$1)*+!%\$3\$)C\$2!(#\$!1%' (\$, (!+5O. \$%*!=4*5+1@\$253' (\$2! 25&(, !)+!(#\$!
; LLL, h!

9>9> P, !(#\$%\$!\$C)2\$+3\$!(#' (!(*, \$!/#*!O)1%' (\$2!25%)+1!(#\$!2\$3' 2\$!/\$%\$!O*%\$!&D\$&4!(*!
' 3#)\$C\$!5-/' %2!, *3)' &O*.)&(4!3*O - ' %%2!(*!(\$*, \$!(#(12)2!+*(h!

9>[> J #)3#!%\$1)*+!/, !O*, (!, 533\$, , =5&!(!' &* /)+1!. *(#!)(, !O)1%' +(!' +2!+*+AO)1%' +(!
- *-5&()*+, !(*!\$+1' 1\$!)+!5-/' %2!, *3)' &O*.)&(4!25%)+1!(#\$!2\$3' 2\$h!

9>e> P+!/#)3#!%\$1)*+!2)2!(#\$!3#%' 3(\$%), ()3, !*!=(\$*, \$!/#*!*5(AO)1%' (\$2!. \$, (!O' (3#!(\$#!

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(#\$!'+'&4,)!' +2!' +, /\$%, !(#\$!B5\$, ()*+, !-* , \$2!' . *C\$@/#)&\$!(#\$!=)(#!2), 35,, \$, !(#\$)%
,)1+)=3' +3\$!' +2!)O - *%(' +3\$!/) (#)+!(#\$!/)2\$%3*+(\$E(>"#\$!=)+' &, \$3()*+!-*C)2\$, !, *O\$!
3*+3&52)+1!%\$O' %D, !' +2!-*C)2\$, !, 511\$, ()*+, !=*%=5%(\$#\$%%\$, '\$ %3#>!!!

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FJ@! *=@C*!) *! LJ! <)

@/+)?' #- \$% H' 9-%&4)! "#\$%%&' ()@/+ ' (4)

) " * +4!6)\$&2)+1!*%)1)+' &&4!- %* - * , \$2@i5, ()=\$2!'+2!'- -&\$2!(#\$!, *3)' &!O* .)&(4!\$, 3' &' (*%!(#\$*%4!)+!\$E-&')+)+1!(#\$!%\$&' ()*+, #)-!. \$(/ \$\$+!)+(%' A1\$+\$%' ()*+' &, *3)' &!O* .)&(4!' +2!)+(\$%+' &O)1%' ()*+!)+!9: : ; !86)\$&2)+1@9: : ; <! "#\$!j\$, 3' &' (*%!(\$\$*%47d' , !)(!/)&!#\$+3\$= *%(#!. \$!%\$=\$%%\$2!(*@

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O)1%' +(,!)+!G*+2*+>IX!, \$3*+2!3%)()B5\$!),!*+\$!-*, \$2!. 4!6)\$&2)+1!89: : ; <) +!(#'(!(#\$!(#\$*%4!=')&, !

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"#%*51#!\$E(\$+,)C\$!)+(\$%C)\$/,!/(#!R\$/!k\$' & +2!5+)C\$%,)(4!1%' 25' (\$,!\$)C)+1!)+!G*+2*+@(#\$4!
/\$%\$!' . &\$!(*!2\$C\$&* -! !-*5%*-*)+(!4-*&*14!. ' , \$2!*+!/ #' (!-5&&2!)+2)C)25' &,!*G*+2*+!
J #)&\$!(\$#4!+\$C)(' . &4!%\$3*1+), \$!(\$#!-5&!*!=(\$#!G*+2*+!\$, 3' & (*%)!+3' %\$%!-%*1\$,,)*+@
O)1%' ()*+,!O*()C' (\$2!. 4!35&(5%' &2\$(\$%O)+' (\$,!%\$!' &, *!5+3*C\$%\$2@)+!\$)+\$!/)(\$!O*%\$!1\$+\$%&
O*C\$,!'/ 4!-%*O!-5%\$&4!\$3*+*O)3!\$E-&' +' ()*+,!6*%,*O\$@, *3)' &O*.)@)(4!*--*(5+)(\$!,!%\$!
(%5O-\$2!. 4!(\$#!\$E-\$%)\$+3\$!*=!\$)C)+1!'+2!/*%D)+1!'. %*' 2!8).)2<!F' (#\$%(\$' +!. \$)+1!2\$\$O\$2!
-')&5%,!(#%*51#!(\$#\$!)+' .)@)(4!(*!\$+1' 1\$!)+!, *3)' &O*.)@)(4@(#\$, \$!35&(5%' &O*()C' (\$2!
O)1%' ()*+,!)+,(\$' 2!+\$2!(*!. \$!\$C' &5' (\$2!/)(\$#+!)+2)C)25' &3*+(\$E,(!#'(!%\$-&3!(\$#!\$)C\$2!
\$E-\$%\$+3\$,!*=!(\$#!O)1%' +(#!P(!,!#)1#&4!\$D\$&4!(\$' (!#,! --%\$3)' ()*+!*=!(\$#!/' 4,!)+!/#)3#!
O)1%' ()*+!3' +!\$+%3#!' !-\$%, *+!35&(5%' &4!', !/\$&1', !\$3*+*O)3' &4!'+2!, *3)' &4!),!(#\$!. ' ,)!*!=
O' +4!3*O\$+(' (*%, !%\$=\$%)!+1!(*!(\$#, \$!\$1)*+, !' ,!! "#\$%&' \$()*\$#&\$, 3' & (*%, !%' (#\$%(\$' +!
, -')\$#&-.)+*/!\$, 3' & (*%, !8, \$\$!(\$#!\$E(\$+,)C\$!/*%D!*+!\$, 3' & (*%\$1)*+, !. 4!**+4!O#' O-)*+<!)

!

@/+M+(I' (7\$. #+)' I)*+, - . \$%! "#\$%& (')-.)! . , %\$. ;)\$. ;)<\$%"

! H)+3\$!)(, !3*+3\$-(5' &, ' ()*+!)+!(\$#!\$' %&A9: : L,!(\$#!\$, 3' & (*%(\$#*%4!#, !5+2\$%1*+\$!
+\$' %&4!;]!4\$' %, !*=!\$E(\$+,)C\$!%, \$' 3#!' +2%)1*%5, !\$E' O)+' ()*+!)+!(\$#!3*+(\$E(!*=!I+1&'+2!
' +2!J ' &\$, !6)\$&2)+1!89: : ; <!/, !=%), (!(*!-%*C)2\$!\$O-)%3' &C)2\$+3\$!V,) +1!2' (' !(D\$+!=%*O!(\$#!
QRHAGH!3*C\$%)+1!(\$#!9: KL,!'+2!(\$#!RNH!O\$+('% &F\$1), (\$%3*C\$%)+1!(\$#!9: ML, @#\$!/' , !' . &\$!(*!
2\$O*+, (%(\$!(\$#!G*+2*+AH*5(\$\$, (!O\$!(\$#!3%)(\$%) !=*%' &!(#%\$!3*C\$%)+1!(\$#!9: ML, @#\$!/' , !' . &\$!(\$#!
\$, 3' & (*%(\$#*%4!N* /\$C\$%@(\$#, !/' , !*+&!-*, ,). &\$!(\$#!51#!(\$#!,, 5O-()*+!(\$' (!(\$#!5-/' %2!
, *3)' &O*.)@)(4!\$E-\$%)\$+3\$2!)+!(\$#!9: KL,!3*5&2!. \$!' --\$2!(*!(\$#!9: ML, @' !%), D4!', , \$%) *+!
/#\$+!(((\$O-())+1!(*!)+(%*253\$' !+\$!(\$#!4!R*(!3*+(\$+(!/)(\$#,)O-\$!-\$2)3()*+, @6)\$&2)+1!
/\$+(!*+!(*!2\$O*+, (%(\$!(\$#!G*+2*+AH*5(\$\$, (!)+2\$\$2!# 2!5, (!, !2*O)+' +(!+!
\$, 3' & (*%)!+!(\$#!9: ML, !' , !)(#' 2!)+!(\$#!9: KL, !

K!

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%) *\$1)*+,!#'(C\$!) +A=&* / ,!* =I4*5+1@\$253' (\$2!' 25&(!' +2!) +2) C) 25' &, !/)(#) +!\$C\$%4!%\$1)*+!
\$E-\$%) \$+3\$!5- /' %2!, *3)' &!O * .)&(4! "#5, !\$C\$%4!%\$1)*+!#', !' +!\$, 3' &' (*%!5+3() *+@', !O' 2\$!
3&\$' %!. 4! O# ' O-) *+!8; L9; <&(#\$!-\$%*%O' +3\$! *!=/#) 3#!. \$3*O\$, !\$C\$%4!%\$1)*+!#', !' +!\$, 3' &' (*%!5+3() *+@', !O' 2\$!
* (#\$%, >P(!), !(#), !(#' (!, #*5&2!2%) C\$!%, \$' %3#!(#' (!' - -&) \$, !(#\$!(#\$*%4! "#\$!+\$2!(*!\$E' O)+\$!(\$#!
%\$&' () C\$!-\$%*%O' +3\$! *!=!, 3' &' (*%!%\$1)*+, !), !3*O- *5+2\$2!. 4! (#\$!& 3D! *!=!. ' , \$!) +\$, !-%*O!/#) 3#!
%\$1)*+, !3' +!. \$!(\$, (\$2@

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! "#\$%&' () *+, -' . ") -.)J. &+(. \$&- ' . \$%2' . &+6&")

) "#\$!\$, 3' &' (*%!(\$#!%4!#, !' &, *!. \$\$+!(\$, (\$2!)+(\$%+' () *+! &&4! (#%*51#!(\$#!)+C\$, () 1' () *+, !
*!=!335- ' () *+! &L- ' (# /' 4, !' O *+1!)+(\$%+' () *+! &O) 1%' +(, !)+!(\$#!2\$, () +' () *+!3*5+(%4! "#), !
%, \$' %3#!#, !. \$\$+!) O- *%(' +(>P(!#', !. \$\$+!%\$-\$' (\$2&4!*, , !\$C\$2@)+3&52)+1!. 4!6)\$&2)+17, !89: : ; <
*%1)+' &L- ' - \$%&(#' (!*335- ' () *+! &C' 3' +3\$!, !' %\$, *O\$() O\$, !=%\$!)=&&2!=%*O!'. %*' 2@' +2!
3*+, \$B5\$+(&4!)(!, !*!=)+(\$(\$, !(#\$!\$E' O)+\$!#* / !(\$#!\$, 3' &' (*%- \$%*%O, !=%\$!)+(\$%+' () *+! &
O) 1%' +(, !6%), (&4@= *%O' +4!-\$*-&\$!)+(\$%+' () *+! &O) 1%' () *+!O' 4!)+C*&C\$!2* / + /' %2!, *3)' &
O*.)&(4!86)\$&2)+1@; LLK<! "#), !), !O *, (!3*O O *+&4!3*+3\$-(5' &,\$2!', !*C\$%AB5' &)=3' () *+>P+!
15%-\$!'+2!R*%(#!XO\$%)3' @5+%%3*1+), ' . &!%*! !' 3D! *!=!B5' &)=3' () *+, !' +2!& +15' 1\$!. ' %%\$%, !
' O *+1!) O O) 1%' +(, !*=(\$+!&\$' 2, !(*!(\$#!*. (')+O\$+(!*!=&* / !, (' (5, !i*., !. \$&* / !(\$#!%, D)&&&C\$&
8W' - ' 2\$O\$(%)*5!\$(!' &@; LL: <F&* (\$2!(*!(\$#!\$, 3' &' (*%!O\$(' - #*%&(#), !3' +!. \$!, \$\$+! ', !'
2* / + /' %2!O *C\$O\$+(!/)(#\$!C)2\$+3\$!3*O)+1!=%*O!H*5(#\$%+! 15%-\$' +!3*5+(\$%, !8C)2' &AO*, *!
' +2!S)%\$(A^' O5+2@; L9e@W' %%& !\$(!' &@; L9[@H)Om+!\$(!' &@; L9e<!', !/ \$&!', !^%\$O' +4@(#\$!
VZ!' +2! O *+1!F*O' +' +!) O O) 1%' +(, >8^%' +' (*@; L9e@X&D, 4+, D' !' +2!%"(' #@; L9[@
X&E' +2%5@; L9; <J #)&!(\$#!\$C)2\$+3\$!-\$%, \$+(\$2!#\$%\$!), !*!=3*5+(%4A/)2\$!2* / + /' %2!, 3' &' (*%
O *C\$O\$+(\$#!\$, 3' &' (*%!%\$1)*+A, -\$3)=3!'+&4,), !#', !2%' / +!,)O)&4!+\$1' ()C\$!3*+3&5,) *+, !=%\$!
) +(\$%+' () *+! &O) 1%' +(, !6)\$&2)+1@; LLK<!=+2, !(#' (!O' +4!) O O) 1%' +(, !, \$&A2\$=)+\$2!', !j. &' 3D7!' +2!
jX,)' +7! / #*!\$+(\$%\$2!(\$#!G*+2*+AH*5(\$#!', (!)+!(\$#!9: ML, !\$E-\$%) \$+3\$!2!2* / + /' %2!O *.)&(4!
) +(*!. &5\$!3*%%! %/ *%D!'+2!5+\$O-&4O\$+(!' #%%\$!), &(\$%%= *%\$@, *O\$!, 5., (' +3\$!(*!(\$#!3&') O!
(#!' (!\$, 3' &' (*%!%\$1)*+, !2*!+*(!- \$%*%O! / \$%%= *%3\$%(')+!-*%) 1+A. *%+!)+2) C) 25' &, !/ #*!*=(\$+!
\$E-\$%) \$+3\$!2* / + /' %2!%' (#\$%(\$#!'+5- /' %2!, *3)' &O * .)&(4!=* &&* /)+1!(\$#!O) 1%' () *+>

! Q=3*5%, \$@O) 1%' () *+!), !' !O53# !O *%\$!3*O-&\$E!-#\$+*O\$+*+! (#' +! (#), !1\$+\$%&
3*+3&5,) *+!-*%(' 4, !S' +4!) O O) 1%' +(, !2*!\$+1' 1\$!)+!5- /' %2!, *3)' &O * .)&(4!=* &&* /)+1!'

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%\$&*3' ()*+!(*!' +!\$, 3' &' (*%!%\$1)*+!0*+%' 2, *+!'+2!G' (#' O!8; LL]<

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9L!

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2*O)+' +3\$!)+!(#\$!9: KL, !' +2!9: : L, !(*! (#\$!-*)+(!/#\$%\$!)(!'- - \$' %, !(*!. \$!, (%53(5%' &&4!
\$O. \$22\$2!)+(*!(#\$!/ *%D)+1,!*=!b%)(), #!, *3)\$ (4d, 5%\$&4!/\$!/*5&2!\$E-\$3(!#\$!, ' O\$!(*!*335%)+!
(#\$!; LLL, h!J #)&\$!(#), !' +!5+2\$, (' +2' . &\$!* . i\$3() *+@,) O- &4!\$, , "#)%18(#' (!) !/*5&2!. \$!(\$#!
, ' O\$!/*5&2!. \$!(*!)1+ *%\$!(\$#!3*+(\$E(!/)(#)+!/#)3#!(\$#!; LLL, !/' , !-&' 4\$2!*5(!' +2!(\$#!
)1+=)3' +(!\$C\$+(, !' +2!- %*3\$,, \$, !(#' (!(* *D!-&' 3\$)!"#\$!= *%\$! /)+1!, \$3() *+!/) &&(\$#\$%- *%\$! *5(\$)+\$!
, *O\$!*=!(\$\$, \$!3*+(\$E(, !' +2!- %*3\$,, \$, !' +2!\$E-&')+!#* /!\$' 3#!3*5&2!) O- ' 3(!*+!(\$#!
- \$%-*%O' +3\$!*=!\$, 3' & ' (*%!%\$1)*+, >

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- \$%3\$+(' 1\$A-*+(!2)=\$%\$+3\$!. \$(/ \$\$+!(#\$!MLg!), \$!) + !5+\$O - &*4O\$+(!\$E-\$%)\$+3\$2!)+!
d*&D, #)%\$!' +2!"#\$!N5O. \$%! \$. \$(/ \$\$+!\$' %&4!; LLM!' +2!\$' %&4!; L9L!' +2!(#\$![9g!], \$!, \$\$+!)+!
G*+2*+p!' &(#*51#!' ![; g!], \$!) + !(#\$!R*%(#AJ \$, (!2), O), , \$!, !' !R*%(#YH*5(#!%\$1)*+' &2)C2\$)! "#\$!
%\$1)*+' &2), - ' %()\$, !3*+0+5\$!/#\$+!0' O-* , !\$(! ' &8; L99<&*D\$2!' (!' 1\$!' +2!, ' & %4!1%*/(#!
C\$%#(\$#!%\$3\$, ,)+!-\$%*2>b\$/(\$/\$+!; LLKYLM!' +2!; LL: Y9L!(\$#, \$!1%\$/!' (!' +!'+5' &' C\$%' 1\$!
=!]g!)+!(#\$!I', (!!=!+1&+2&#* /\$C\$%#(\$#!R*%#(!I', (!' +2!(#\$!I', (!S)2&+2,!\$E-\$%)\$+3\$2!+*!
1%*/(#&+2!+\$1' ()C\$!1%*/(#!/, !\$E-\$%)\$+3\$2!)+!(#\$!J \$, (!S)2&+2,!' +2!)+!G*+2*+!X&!*=
(#), !, %%C\$, !(*!#)1#8!#(!#* /C' %)' . &\$!(#\$!)O-' 3(, !*!=!(\$#!%\$3\$, ,)*+! /\$%\$!=*%!2)=\$%\$+(!%\$1)*+, &
. 5(!/#' (!2*\$, !(#), !O\$' +!=*%!(\$#!-\$%*%O' +3\$!*=!\$, 3' & (*%, h!

! "#\$!C' %)*5, !O' 3%*\$3*+*O)3!)O- ' 3(, !*!=!(\$#!%\$3\$, ,)*+!# C\$!(\$#!-*(\$+()' &(*!)O- ' 3(!' &!
(#\$%\$!3*O-*+\$+(!*!=!%\$1)*+7, !\$, 3' & (*%!6)% , (&4&!*%), \$!) + !5+\$O - &*4O\$+(!' +2! ' 3*+(%' 3()*)+!
) + !(#\$!+5O. \$%!*!=!j* . , !' C')& . &\$!&O)(, !' !O' i*%2\$(\$%O)+' +(!*!=)+(%%\$1)*+' &O)1% ' ()*+!)+!
^%\$' (!b%)(')+!Q+\$!\$, ()O' ()*+!, 511\$, , !(#' (!*C\$%#[Lg!*=!O*C\$, !. \$(/ \$\$+!%\$1)*+, !' %\$!
\$O - &*4O\$+(\$A%\$& (\$2!8a)E*+&; LL[<&+2!(#5, !(\$%\$!), !(#\$!-*, , .)&)(4!(#' (!)+(\$%%\$1)*+' &
O)1% ' ()*+!O' 4!# C\$!, &* /\$2!25%)+1!(#\$!&, (!4\$' %, !*!=!(\$#!; LLL, >H\$3*+2&%\$25+2' +3)\$, && 4A
=!, !' +2!, (' 1+ ' +(!' 1\$!1%/(#!25%)+1!(#\$!%\$3\$, ,)*+! /&#* C\$!)O- ' 3(\$2!*+!-\$*-&\$7, !
335- ' ()+ ' &O*.)&(4!#), &3*O.)+\$2! /)(#!' !=&)+!#*5, \$!, ' &\$, !25%)+1!(#\$!%\$3\$, ,)*+!8O' O-* , !
\$(!' & d; L99<&3' +!, \$%*5, &4!)+#).)(!' %\$1)*+7, !' .)&(4!(*!- %*C)2\$!*-- *%(5+)0\$, !=*%5- /' %2!, *3)' &
O*.)&(4&+2!&O)(, !(#\$!\$E(\$+!(*!/#)3#!-\$*-&\$!3' +!O*C\$!5-!(\$#!\$, 3' & (*%!6)+' &&4&, !' !%\$, 5&(!
=!, (' 1+ ' ()+! , *3)' &O*.)&(4&!- *(\$+()' &*&, !*!=#5O' +!3' -)(' &+2! , , \$(!' +2!(#\$!2)=)35&(4!
)+!+\$1*()' ()+1!(#\$!#*5,) +1!O' %D\$(&(#\$!'.)&(4!(*!, (\$-!=!(\$#!\$, 3' & (*%&O' 4!# C\$!. \$3*O\$!
O*%\$!2)=)35&()

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B+7' , (\$8/-#)M(' #+" "+")

! X!2\$O*1%'-#)3!- %*3\$, , !*!=!+3%\$' ,)+1!- %*O)+\$+3\$!25%)+1!(#\$!; LLL, !' , !(#\$!%), \$!) +!
)OO)1% ' ()*+!b\$/(\$/\$+!; LLL! ' +2!; LL: &(#\$!, (*3D!*=!=*%)1+A. *%+!)+!(#\$!VZ!)+3%\$' , \$2!. 4! *C\$%
]Lg!(*!%\$' 3#!'- %*E)O' (\$&4!K!O)&*+!. 4!(#\$!\$+2!*=!(\$#!2\$3' 2\$@%\$-%\$, \$+() +1!99>eg!*=!(\$!
VZ!- *-5& (' *+!8F)\$+` *!'+2!C' %1' , AH)&C' & ; L9\&_5, (!' , !(#\$!\$3*+*O)3!%\$3\$, ,)*+!# 2! ' !%\$1)*+' &
1\$*1%'- #4&, *!#', !VZ!)OO)1% ' ()*+!P(!), !3&\$' %(#' (!G*+2*+!), !' !=*3' & -*)+(&QC\$%eLg!*=!
= *%\$)1+A. *%+!O)1% ' +(), !)+!(#\$!VZ!)+!; LLL! /\$%\$!) +!G*+2*+&+2!/#)&!#(,), !# 2!2%*- -\$2!(*![Kg!

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9e!

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) + (\$%+ ' &O) 1% ' () * + !' O * + 1!(#*, \$! ' 1\$2! \] !' + 2!*C\$%8HO)(#!' + 2!H' 1\$@; L9e<!X!O * %\$!2\$(')&\$2!
-)3(5%\$!*=!(#\$!2\$3@)+\$!)+!(#\$!VZ!)+(\$%+ ' &O) 1% ' () * + !, 4, (\$O!)+!(#\$!; LLL,!), !-%*C)2\$2!. 4!G*O' E!
\$(!' &8; L9e<!6)% , &4@(#\$4!=)+2!' !\$C\$, ' &) + !=&* / , !. \$(/ \$\$+!(#\$!R *%(#!' + 2!(#\$!H*5(#!*!=
| + 1& ' + 2>J #)&\$!(#\$!R *%(#!1')+ \$2!=%*O!(#\$!H*5(#!)+!(#\$!=)% , (!# ' &!=!=!(#\$!2\$3' 2\$@(#), !(%\$+2!
%\$C\$, \$2!) + !(#\$!, \$3*+2!# ' &!=!'+ 2! / ' , .j

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1%' 25' (\$!/' 1\$, !(*/*' %2!(#\$!\$+2!*=(#\$!2\$3' 2\$)!^%' 25' (\$, !' 1\$2!. \$(/\$\$+!; 9!'+2![L!]++!; L9]!
#' 2!(#\$!, ' O\$!O\$2)' +!, ' &' %\$, !)+!+*O)+' &(\$%O, !8q; e@LLL<! , !(#\$4!2)2!)+!; LLM!8bPHd; L9\<! "#\$!
, 5%-&5, !*=!, D)&&2!& . *5%3' +!(#\$%%=*\$%\$!)O)(!(#\$!' .)&(4!*=' !%\$1)*+!(*!' &* /!5- /' %2!
335-' ()+' &-%*1%\$,,)*+@#\$+3\$!)(,!-*(\$+()'*!2), %5-(!#\$!/*%D)+1,!*=!'+!\$, 3' & (*%!!

! N' C)+1!2\$C\$&* -\$2!' +!5+2\$%, (' +2)+1!*-=#* /!%\$1)*+' &\$, 3' & (*%, !)+!I +1&'+2!' +2!J ' &\$, !
#' C\$!-\$%-*%O\$2!)+!-%\$C)*5,!2\$3' 2\$, !' +2!(#\$!3*+(\$E(!/)(#)+!/#)3#!\$, 3' & (*%, !#' C\$!
-\$%-*%O\$2!25%)+1!(#\$!; LLL, @)(!), !-*, ,). &\$!(*!2\$C\$&*-!, *O\$!#4-*(#\$, \$, !(#!15)2\$!(\$#!
\$O-)%)3' &,\$3()*+, !*=!(#, !-` -\$%!6%), (&4@)(!), !-%\$2)3(\$2!(#' (!#\$!G*+2*+AH*5(#\$', !(/)&!
3*+() +5\$!(*!. \$!(\$#!2*O)+' +(!\$, 3' & (*%!\$1)*+!%\$&' ()C\$!(*!*(\$%!\$1)*+, !)+!I +1&'+2!' +2!
J ' &\$, !` #), !), !25\$!(*!(#\$!%\$1)*+, !3*+() +5)+1!)O- *%(' +3\$!/)())+!(\$#!VZ!\$3*+*O4@)(,!
)O- *%(' +3\$!)+!(\$#!VZ!, !O)1%' ()*+, 4, (\$O!8G*O' E!\$(!' &d; L9e<@' +2!)(,!1%*/)+1!%\$-5(' ()*+!', !
' !1&*. ' &3)(4!(#' (!3' +!*=\$%!*- *%(5+)()\$, !+*(!' C')& . &\$!\$&, \$/#\$%>IH\$3*+2&4@(#\$!' .)&(4!=*%
+*+AO)1%' +(,!'+2!O)1%' +(,!)+!(\$#!G*+2*+AH*5(#\$', !(#!\$+(\$%!(#\$!, \$%C)3\$!3&,, !/)&!. \$!
1%\$' (\$%) +!(\$#!9: : L, !(#\$!+=*%(\$#!; LLL, @2%)C\$!+!-%)O' %&4!. 4!(\$#!- *3\$, , \$, !*5(\$)+\$2!' . *C\$>
" #)%2&4@)(!), !-%\$2)3(\$2!(#' (!#\$!, (\$--)+1A*=!- *3\$, , !)+!(\$#!; LLL, !/)&3*+() +5\$!(*!. \$!
2*O)+' (\$2!. 4!4*5+1\$%' 1\$A1%*5-, &%' (#\$!(\$' +!(\$*, \$!3*O)+1!(*!(\$#!+2!*=(#\$%)!/*%D)+1!
&C\$, !8O# O-)*+@; L9; <IN* /\$C\$%@)(!), !&D\$&4!(\$' (!\$, \$!, (\$--)+1A*=!/) &!. ()&!. \$!)+!(\$#!
' 2C' +3\$2!, *3)*\$3*+*O)3!-*,)()*+, >

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B=@=)=DB)H! @NABAFAGP)

B\$&\$)

! "#\$!' +' &4,),!5+2\$%(' D\$+!)!+!(#),!, (524!O' D\$,!5,\$!*!=!(/*!2' (' , \$(),>"#\$!=%), (!),!(#\$!
' ++5' &!-5. &3' ()*+!*!=!VZ!)+(\$%+' &O)1%' ()*+!, (' (),()3,! . 4!(#\$!Q=)3\$!=*%!R' ()*+' &H(' (),()3,!
8QRH<!V+=*%(5+' (\$&4@(#\$%\$!),!+*!3\$+('% &%\$1), (\$%!=*%!=*%O' &&4!%\$3*%2)+1!)+(\$%+' &O)1%' ()*+,!
/)(#)!+!(#\$!VZ>P+, (\$' 2@(#\$!=)15%,!3*O.)+\$!2' (' !=*%O!(#\$!W' ()\$+(!F\$1), (\$%a' (' !H\$%C)3\$!8WF<@
(#\$!RNH!O\$+('% &F\$1), (\$%8RNHOE<!'+2!(#\$!N)1#%&1253' ()*+!H(' (),()3,!X5(#*%)(4!8N!HX<!#"!
' ++5' &%\$&\$' , \$!*!=WF!2' (' !'+2!(#\$!/\$D&4!%\$&\$' , \$!*!=!(#\$!RNHOE!' &&* /, !' !O)1%' ()*+!(*!. \$!
\$%3*%2\$2!. 4!)2\$+()=4)+1!/#\$+!'+!)+2)C)25' &(!%' 3\$2!. 4!' !5+)B5\$!RNH!R5O. \$%&%\$1), (\$%, !' !
3#' +1\$!*!=!^\$+\$%' &W%' 3()()*+\$%8^W<!#"!2' (' &(#\$%\$=*%\$&O\$', 5%,!3#' +1\$!*!=!&3' &! 5(#*%)(4!
%' (#\$%!#'+!3#' +1\$!*!=! 22%, ,>N*/\$C\$%d)(#', !. \$+\$+!%\$3*1+), \$2!(#(!O' +4!4*5+1!-\$*-&\$d)!+!
-' %()35&%!O' &!, (52\$+(&=')&(*!%\$1), (\$%&/)(#!(#\$%)&3' &^W!=*&&* /)+1! IO*C\$!(*!%!=%*O!
5+)C\$%,)(4!#"!\$4!' %\$, 5. , \$B5\$+(&4!*O)((2!=*%O!)+(\$%+' &O)1%' ()*+!, (' (),()3,! , *\$&4!%\$&)'+(+!*+!
&W!2' (' >"*!%\$O\$24!(#),&O)1%' ()*+!&* /, !' %\$, 5--&O\$+(\$2!. 4!2' (' !=*%O!N!HX@/#)3#!
-%*C)2\$,!. *(#!(\$%OA)O\$!' +2!#*O\$!' 22%, \$, !' +2!\$+'. &\$,!(\$#!QRH!(*!3' -(5%\$!(#\$!
O)1%' ()*+, !*=!, (52\$+(&/#)3#!' 33*5+(!=*%' !&' %1\$!-%*-*%()*+!*!=!)+(\$%+' &O)1%' ()*+!)+!(#\$!VZ!
8QRH@; L9]<!J #)&!(#\$!, (52\$+(!' 2i5, (O\$+(!O\$(#*2!#, !+* /, !' \$+\$+!)+3&52\$2!)+1! &)+(\$%+' &
O)1%' ()*+!, (' (),()3,!%\$&\$' , \$2!,)+3\$!_5+\$!; L9L@)(#', !' &, *!. \$+\$+!%\$(%*, -\$3)C\$&4!' --&\$2!(*!2' (' !
1*)+1!. ' 3D!(*!)+(\$%+' &O)1%' ()*+!)+!(#\$!4\$' %!(*!5+\$!; LL; >!

! "#\$, \$3*+2!2' (' , \$(!5,\$2!)+!(#\$!'+&4,),!), !(#\$!Q=)3\$!=*%!R' ()*+' &H(' (),()3,!
G*+1)(52)+' &H(524!*!=!+1&'+2!' +2!J ' &\$,!8QRHAGH<P+!(\$, ()+1!(#\$!\$, 3' & (*%!(#\$*%4!)+!(#\$!VZ!
3*+(\$E(!)(), !(\$#!O*, (!- -5&%' +2!5, \$=5&2' (' , \$(! C')& . &>V,) +1!O\$+, 5, !' +2!8)=\$!\$C\$+(&,
2' (' &(#\$!QRHAGH!-%*C)2\$, !' 12\$(')\$2&0)+D\$2!%\$3*%2!=*%' !, ' O-&\$!*=!+2)C)25' &, !. *%+!*+!*+\$!*=!
=*5&2' (\$, !, \$&3(\$2!)+!(#\$!3' &+2' %!4\$' %!"#), !3%\$' (\$, !' !, ' O-&\$!*=!*&C\$%#&! !O)&&*+!-\$*-&\$!
' (!' 3#!O\$+, 5, &B5' &(*!%*5+2!9g!*=!(#\$!- -5&%' ()*+!*!=!+1&'+2!' +2!J ' &\$,>H(' %)+1! (!(\$!
9: K9!O\$+, 5, &2' (' !#, !+* /, !' \$+\$+!3*&&3(\$2!'+2!O' 2\$! C')& . &\$!=*%\$' 3#!*=!(#\$!O\$+, 5, \$,,!
3*+253(\$2!,)+3\$!#'), !)+3&52\$, !(#\$!; L99!O\$+, 5, !*=&&* /)+1!(#\$!%\$&\$' , \$!*=!(#\$!; L99!
G*+1)(52)+' &H(524!2' (' !*+!9' a\$3\$O. \$%&; L9[!8G4+3#!\$(!' &L9]<!b4!3*&&3(+1!)+=*%O' ()*+!
+!(', \$!#(!\$+(\$%!(#\$!QRHAGH!8(#*51#!.)%#, !' +2!)OO)1%' ()*+<!'+2!%\$(')+)+1!(#\$!
)+=*%O' ()*+!*!=!(#*, \$!#(!\$+(\$%!(#\$!QRHAGH!8(#*51#!2\$' (#' +2!\$O)1%' ()*+<!(#\$!2' (' , \$(!3*+(')+, !

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)+=*%O' ()*+!*+!*C\$%!9!O)@@*+!) + 2)C)25' &, >! "#!, ' O-&\$, !*=!) + (\$%%, (!#\$\$%!" %%!(#*, \$!-\$%, \$+(!' (! (#\$!9: : 9!'+2!; LL9!O\$+, 5, \$, @\$B5' &(*!e9M@, Le@' + 2!(#*, \$!-\$%, \$+(!' (!(#\$!; LL9!' + 2!; L99! 0\$+, 5, \$, @\$B5' &(*!e; 9@K:]!8G4+3#!\$(!' &@; L9] <!!

! "#\$!. \$+\$=)(,!*=!5,) + 1!(#), !2' (' , \$(!*C\$%!*(\$%%&*+1)(52)+' &, (52)\$, !)+! + 1& + 2! + 2! + 2!
J ' &\$, !, 53#!', !(#\$!9: KL!b%)(), #!0*#*%(!H(524!*&%(\$#!b%)(), #!W' + \$@N*5, \$#*&2!H5%C\$4!' %\$!
+ 5O\$%*5, >"#\$!=%) , (@)(, !,) ` \$@#', !' &\$' 24!. \$\$+!O\$+()*+\$2!'"#\$!, \$3*+2!), !(#\$!, 3*-\$!*=!)(, !
3*C\$%' 1\$!'+ 2!(#\$%=\$%\$!)(, !' .)@)(4!(*!. \$!%\$-\$%, \$+(')C\$!*=!(\$#!/#*&\$!b%)(), #!- * - 5& (' *+!#"!), !
3*+=)%O\$2!. * (#!. 4! !C\$%4!#)1#!O\$+, 5, !\$%, - * +, \$!%' (\$!8: eg!) +!; LL9!' + 2!; L99<!'+ 2!*. , \$%C\$2!
, ' O-@)+1!=%' 3()*+, !3*%%\$, - * + 2)+1! /)(#!/#' (!/*5&2!. \$!\$E-\$3(\$2!*=! !%\$-\$%, \$+(')C\$!, ' O-@\$!
8G4+3#!\$(!' &@; L9] <!"#\$!(#)%2!. \$+\$=)(!), !)(, !& / !' ((%)()*+!%' (\$@')2\$2!. 4! (#\$!&\$1' &%\$B5)%\$O\$+,(,
*!=3*O-@)+1!(#\$!O\$+, 5, !' + 2!%\$-\$%() + 1!@)=\$!\$C\$+,(, >6*5%(#!), !(#\$!/\$' &(!*=!)+2)C)25' &. 5(!
' + * + 4O), \$2!2' (' !' C') & . &\$>"#\$!QRHAGH!3*+(') +, !) + =*%O' ()*+! * + !3#%' 3(\$%), (03, !, 53#!', !, *3)' &
3& , , @\$O-@*4O\$+(@#\$' &(#@\$253' ()*+! + 2!O)1%' ()*+! - ' ((%+, @', !/ \$@! , !2\$(')&2!)+ =*%O' ()*+!
* + !' O)@!O\$O. \$%, !"#\$, \$!) + 2)C)25' &3#%' 3(\$%), (03, !3' +!, 5. , \$B5\$+(&4!. \$!(%' 3\$2!(&#%*51#!(&#\$!
2\$3' 2\$, >!!</p></div><div data-bbox="114 495 893 877" data-label="Text"><p>! N* / \$C\$%@(#\$!2' (' , \$(12*\$, !#' C\$! / '\$ D+\$, , \$, >F\$@' ()C\$!&!* / !' ((%)()*+!%' (\$, !2*!+ *(!
15' %' + (\$\$!3*O-@\$(#!(%' 3D)+1!. \$(/ \$\$+!O\$+, 5, \$, !' , !' !3*+, \$B5\$+3\$!*=!)+2)C)25' &, !\$E), ()+1!(#\$!
QRHAGH! /)(#!+ *!%\$3*%2!*=!2\$' (#!*&\$O)1%' ()*+!X22)()*+ ' &&4@3*C\$%' 1\$!*+&4!\$E(\$+2, !(*!
%\$,)2\$+,(, !*=!1 + 1& + 2! + 2! J ' &\$, @ / #)&, (!%,)2\$+,(, !*=!H3*(& + 2! + 2!R*%(\$%+!P%\$& + 2! %\$!
%\$3*%2\$2!)+!(\$)%\$%, -\$3()C\$!&*+1)(52)+' &, (52)\$, >J #)&!) + 3*%-*%' ()+1! &&(!%\$!, (52)\$, !), !
- * , ,) &&@) (! / ' , !. \$4*+2!(\$#!O)O)+1! + 2!, 3* - \$!*=!(\$#!, (524!#)%2&4@3\$%(')+!B5\$, ()*+, !' + 2!
' + , / \$%, !& 3D!3*+(+)5)(4!. \$(/ \$\$+!O\$+, 5, \$, >6*%\$E' O-@&@) + =*%O' ()*+! * + !#)1#\$, (!
B5' @)=3' ()*+!), !3' (\$1*%), \$2!2)=\$%\$+(&4!)+!9: : 9!(*!#* / !) (!, !) +!; LL9!' + 2!; L99@H)O)& %&4@
2)=\$%\$+(!(* -)3, !. \$3*O\$!)O- *%(' + (!', !()O\$!- ' , , \$, >a\$(')&2!B5\$, ()*+, !%\$1' %2)+1!(\$#+)3!, (' (5, !
' + 2!%\$@)1)*+@= *%)+, (' + 3\$@ / \$%\$!=%) , (!', D\$2!)+!; LL9!' + 2!(&#%\$= *%\$!3' ++ *(!. \$!3*O- ' %\$2!(*!
- %\$C)*5, !O\$+, 5, \$, !8QRH@; LL e < !6*5%(@25\$!(*!(\$#!2\$(')&2!-\$%, * + ' &) + =*%O' ()*+!)+3&52\$2@
+ * + A2), 3&*, 5%\$!*=!, \$+,)()C\$!) + =*%O' ()*+!), !*=!5- O*, (!)O- *%(' + (!(*!(\$#!QRH@H' O-@&!,)` \$, !' %\$!
3*+, \$B5\$+(&4!%\$, (%3(\$2!(*!9L@ / #)3#)!+!, *O\$!3' , \$, !@O)(, !*=!(\$#! + ' &4,), !(#' (!3' +!. \$!
3*+253(\$2!Q(\$#! / '\$ D+\$, , \$, !*=!3\$%(')+!C' %)' . &\$, !' + 2!2\$=) +)()*+, !5, \$2!)+!(\$#! + ' &4,), !/)&!. \$!
\$E' O)+\$2!)+!(\$#!O\$(\$#! / '\$ D+\$, , \$, !*=!3\$%(')+!C' %)' . &\$, !' + 2!2\$=) +)()*+, !5, \$2!)+!(\$#! + ' &4,), !/)&!. \$!</p></div><div data-bbox="116 896 128 910" data-label="Text"><p>!</p></div><div data-bbox="486 925 514 939" data-label="Page-Footer"><p>9M!</p></div><div data-bbox="116 941 128 954" data-label="Text"><p>!</p></div>

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H+&/'; '% , 4)

! "#\$!(/*!O')+!')O,!*=!(#),!-' -\$%! +2!(#\$!3*%%\$, - *+2)+1!%\$, '\$ %3#!B5\$, ()*+,!5()&, \$!
2)=\$%%+(!%\$, '\$ %3#!2\$,)1+, >0*O- ' %)+1!(#\$!=5+3()^+!*=!\$' 3#!%\$1)^+7,!\$, 3' &' (*%!25%)+1!(#\$!
; LLL,!(' D\$, !' !&*+1)(52)+' &! ' --%* ' 3#d/#)&\$!3*O- ' %)+1!(#\$!-\$%-*%O' +3\$!*=!(#\$!G*+2*+A
H*5(#\$', (!\$, 3' &' (*%. \$(/\$\$+!(#\$!9: L, !' +2!(#\$!; LLL, !)+C*&C\$, !' !3%* , A, \$B5\$+()' &! ' --%* ' 3#>
R*+\$(\$&\$,, d. *(#!)+C*&C\$(,\$,)+1!(#\$!(#\$\$!3*O- *+\$+(,!*=!(#\$!\$, 3' &' (*%!(#\$*%4!'+2!
(#\$\$=*\$%\$!5, !\$!(#\$!, ' O\$!O\$(#*2*&*1)\$, >"#\$4!%\$!&, *!. *(#!3*+253(\$2!' (!#\$!, ' O\$!, - ' ()&
, 3' &\$d/#)3#!), !\$1)^+' &! "#\$%\$!%\$!9L!%\$3*1+), \$2!%\$1)^+, !3*C\$%) +1!I +1& +2!J ' &\$, ?!"#\$!

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9+\$,,&?!N)1#\$%\$S+'1\$%'&@X2O+),(%'JC\$!' +2!W%*\$,,)*+'&Q335-'()*+,!8)+3&52)+1!
\$O-&*4\$,!) +!&'%1\$!*1'+), '()*+,&!

9+\$,,&?!G*/\$%\$S+'1\$%'&@X2O+),(%'JC\$!' +2!W%*\$,,)*+'&Q335-'()*+,p!!
9+\$,,&<?!P+(\$%O\$2)'(\$!Q335-'()*+,p!

9+\$,,&=?!HO'&I O-&*4\$,!) +2!Q/+!X33*5+(!J *%D\$,p!

9+\$,,&?IG*/\$%H5-\$%) *%4!'+2!"\$3#+)3'&Q335-'()*+,p!

9+\$,,&?IH\$O)AF*5()+\$!Q335-'()*+,p!

9+\$,,&K?F*5()+\$!Q335-'()*+,p!

' +2?!

R\$C\$%\$J *%D\$2!' +2!G*+1A"%"O!V+\$O-&*4\$2p!

65&A")O\$!H(52\$+(p!

Q335-'()*+!P+'2\$B5'(\$&4!a\$,3%).\$2p!

R*(!O&,)=)' . &\$!=*%!Q(#\$%\$F\$',*+,>!

!

X!(%' +,)()*+!%'(\$!),!(#\$+!5,\$2!(*!O\$',5%\$!(\$!-%\$C'&+\$3\$!*!=5-/'%2!,*3)'&O*.)&(4!
'O*+1!'!-*-5&'()*+!1%*5-!) +,)O)&'%(4!(*!O#'(O-)*+'!\$(!'&8;L9e<!'"#\$!('% +,)()*+!%'(\$!) +!(\$#!
3*+(\$E(!*=!(\$!),!-'-\$%),!(#\$!-*%-*%)*+'!=!&(!#*,\$!) +!/*%D!.5(!+*(!) +!(\$#!('1\$(!,*3)'&3&,,'!(!
(#\$!. \$1)++) +1!*!=(\$#!-\$%) *2!8)+3&52)+1!=5&A()O\$!, (52\$+(<!/#*!%'\$!) +!(\$#!('1\$(!,*3)'&3&,,'!(!
(#\$!\$+2!*!=(\$#!-\$%) *2!#"#\$!('1\$(!,*3)'&3&,,'!)+!(\$!),!3*+(\$E(!'%%!RHHI0!O!\$,,\$,!9!'+2!;&/#)3#!
/)&#+\$+3\$=*%(\$!. \$!D+* /+!', !(\$#!j,\$%)3\$A3&,7!#"#\$!('% +,)()*+!%'(\$!(#\$%\$=*\$%\$!O\$',5%\$,!(\$#!
-%*-*%()*+!*=!(\$*,\$!) +!(\$#!+*+A,\$%)3\$!3&,,'!(!*+\$!O\$+,5,!/#*!%'\$!) +!(\$#!,\$%)3\$!3&,,'!(!(\$#!
0\$+,5,!(\$+!4\$!%,!&(\$%!V+=*%(5+'(\$&4@(\$!),!2\$=) +)()*+!),!5+' . &\$!(*!3'-(5%\$,!O'&5-/'%2!,*3)'&
O*C\$O\$+(!/)(#)+!*&. \$(/\$\$+!(\$#!RHHI0!O!\$,,\$,!3'(\$1*%),\$2!',!,,\$%)3\$!' +2!+*+A,\$%)3\$>
"#*51#!(\$!),!/*5&2!-*C)2\$!'!O*%\$!+5' +3\$2!' +2!2\$(')&2!' +'&4,),@)(!),!&D\$&4!(\$'(!(\$#4!/*5&2!
C)*&(\$!QRH!2),3&,5%\$!5&\$,!'+2!(\$#\$=*\$%\$!'+!11%\$1'(\$2!O\$',5%\$!*=!,*3)'&O*.)&(4!),!
'--&\$2!#\$%\$>!!!

! P+!3*OO*+!/)(#!*(\$#!- '\$-\$%,!*+!(\$#!(*-)3@(\$#!+'&4,),!/) &3*O-'%\$!(\$#!('% +,)()*+!
%'(\$!,!=*%\$O)1%' +(!' +2!+*+AO)1%' +(!)+!*&2\$%!(*!),*'(\$!(#\$!)O-'3(!*=!O)1%'()*+@.5(!(\$!),!
%\$B5)%\$,!3&%)=3'()*+!#"#\$%\$!),!&((&!3*+,+\$+,5,!*+!/#'(!(\$#!(\$%O!jO)1%' +(7!\$E-&3)(&4!2\$=)+\$,@
' +2!(),!)+,(\$'2!5,\$2!',!'*+\$A,)`\$A=)(A'&(\$%O!3*C\$%)+1!C'%) +1!2\$1%\$\$,!*=!2),(' +3\$!' +2!O\$!

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8X+2\$%, * +' +2!b\\$)+2\$%&; L9] >!P+!(#), !- - \$%& +!QRHAGH!O\$O. \$%), !2\$=)+\$2!' , !' !O)1%' +(!)=!
(#\$)%\$1)*+!*!=5, 5' &' 22\$, , !' (!*+\$!O\$+, 5, !), !2)==\$%\$+(!(*!(#\$)%\$1)*+!*!=5, 5' &' 22\$, , !' (!(#\$!
+\$E(>N\$+3\$(#4!' %\$!)+(\$%+' &%\$1)*+' &O)1%' +(,!/(#)+!+1&'+2!J ' &\$, >X!+*+AO)1%' +(!), !
' +!QRHAGH!O\$O. \$%/#*, \$!%\$1)*+!*!=5, 5' &' 22\$, , !), !(#!, ' O\$!' (!. *(#!O\$+, 5, \$, !(\$+!4\$' %, !
' - ' %(>Q. C)*5, &4!(#), !#', !, *O\$!&O)((')*+, >6%), (&4d)(!, , 5O\$, !(#' (!*+&4!*+\$!O)1%' ()*+!#', !
*335%\$2!25%)+1! !(\$+A4\$' %-\$%)*2>6*&\$,, !, - ' ()' &&AO*.)&\$d*2\$%&QRHAGH!O\$O. \$%, !(#), !O' 4!
. \$!(\$#!3', \$d. 5(!-*%(!#*, \$!/)(!' !1%' (\$%!-%*-\$+),(4!(*!O)1%' (\$d, 53#!', !4*5+1!' 25&(!/)&&
&D\$&4!\$E3&52\$!(#\$!O5&)(52\$!*=!O*C\$O\$+(, !)+C*&C\$2!)+!O*C)+1!(*' +2!-%*O!5+)C\$%,)(4!' +2!
) +(*!(#\$!& . *5%O %D\$(>H\$3*+2&4d(#\$!2\$=+))()*+!\$E3&52\$, !O*C\$, !(#' (!*335%/)(!)+!%\$1)*+, !
' +2!/)(!)+!*&3' &' 5(#*)()\$, >N* /\$C\$%&1)C\$+! (#' (!*+&4!*+\$AB5' %(\$%!*=!)+(%' A%\$1)*+' &' +2!Mg!
=!)+(%' A' 5(#) (4!O*C\$, !/\$%\$!O*(C' (\$2!. 4!\$O-&*4O\$+(!*%\$253' ()*+&(!\$4!' %\$!5+&D\$&4!(*!
#' C\$!. \$\$+!%\$& (\$2!(*' !3#'+1\$!)+!*335-' ()*+!'+2!%\$!(\$%%=*\$!+*(!\$%\$C' +(!(*!(#\$, !(524!
8a)E*+d; LL[<!Q+!(#\$!*(#\$!#'+2@\$O-&*4O\$+(!'+2!\$253' ()*+!/\$%\$!O*(C' ()*+, !=*%&C\$%
]Lg!*=!)+(\$%A%\$1)*+' &O*C\$, !. \$(/\$\$+!; LLL!'+2!; LL[!' +2!/) &&(\$%%=*\$!O*%\$!&D\$&4!(*!# C\$!
) +C*&C\$2!' !3#'+1\$!*=!/*%D!-& 3\$!8a)E*+d; LL[<!X!(&#%2!&O)((')*+!*!=(!\$!2\$=+))()*+!), !(#' (!)(
/)&&!&,*!1+*%\$!*5(AO)1%' ()*+, !'+2!, 5. , \$B5\$+(!%\$(5%+, !(#' (!*335%. \$(/\$\$+!O\$+, 5, \$, &2%)C\$+!
. 4!-\$%#'-, !' !=')&5%\$!(*!1')+!\$O-&*4O\$+(!'+2!%\$!(\$5%+!(*!(#\$!- '\$+(' &#*O\$!8H' 1\$!\$(!' &d
; L9[<!#\$!&O)((')*+, !*=!(\$!2\$=+))()*+!*!=!O)1%' +(!5+=*%(5+' (\$&4!3' ++*(!. \$!*C\$%3*O\$&
\$, -\$3)' &4!', !. %\$' D)+1!2*/+!O)1%' ()*+!. \$*&/!%\$1)*+A(*A%\$1)*+!/*5&2!%, D!. %\$' D)+1!QRH!+*+A
2), 3&*, 5%\$!5&\$, >N* /\$C\$%&(\$4!' %\$!*5(/\$)1#\$2!. 4!(\$!2\$(')&, !)+!/#)3#!(#\$!QRHAGH!), !' . &\$!(*!
) +*%O!*+!)+2)C)25' &*335-' ()*+' &' +2!, *3)' &3', , !- ' (#/ ' 4, >a\$=+)+1!O)1%' +(, !)+!(#), !/' 4!
' &, *!O')+(')+, !3*+()=5(4!. \$(/\$\$+!-\$C)*5, !\$%, \$' %3#!(#' (!#, !, (52)\$2!(\$#!%\$& (')*+, #)-!
. \$(/\$\$+!, - ' ()' &' +2!, *3)' &O*.)&)(4>!!

! a5\$!(*!, 5. , \$B5\$+(!%\$, \$' %3#13*5+(\$%)+1!6)\$&2)+17, !89: : ; <, (\$--)+1A*=&3*O- *+\$+(d)(!
, !+*(!' - - %*-%)' (\$!(*!&*D!, *&4!(!(\$#!O)1%' ()*+!*!=!*&2\$%-\$*-&\$!F' (#\$%&(\$#!' - - %*' 3#!(' D\$+!
#\$%\$!), !(*!\$E' O)+\$!(\$!3#'% 3(\$%), ()3, !*=!(\$' !O)1%' (\$2!*5(!*=!\$' 3#!%\$1)*+!25%)+1!(\$#!
) +(\$%A3\$+, 5' &-\$%)*2!(*!2\$(\$%O)+\$!)=!(\$4!/\$%\$!)+! 2C' +3\$2!, *3)' &*- ,)()*+, >''#), !/' &&. \$!
' 3#)\$C\$2!5,) +1!(\$#!QRHAGH>

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* ! ?CF@?)

) X, !-\$%! (#\$!')O, !*=!(#), !-` - \$%@ (#\$!=) + 2) + 1, !2), 35, , \$2!) + !(#), !, \$3() * + !' %\$, !-\$!(!)+(*!(/ *!
 "#\$!=)% , (!, \$3() * + !3 * O - ' %\$, !(#\$!-\$%*%O' + 3\$! * =!(#\$!\$, 3' & (*%) + !\$! 3#%\$1) * + !25%) + 1!(#\$!; LLL, @
 =*35,) + 1!* + !' &&!(#\$!\$! * =!(#\$!, (\$--)+1A* + @%)2) + 1A5 - !' + 2!, (\$--) + 1A* =!3 * O - * + \$+ (, >"#\$!, \$3* + 2!
 - ' %(!/) &&!(#\$!+!3 * O - ' %\$, !(#\$!-\$%*%O' + 3\$! * =!(#\$!G* + 2* + AH*5(#\$' , (7,!\$, 3' & (*%). \$(/ \$\$+!(#\$!
 ; LLL, !' + 2!9: : L, >!!)

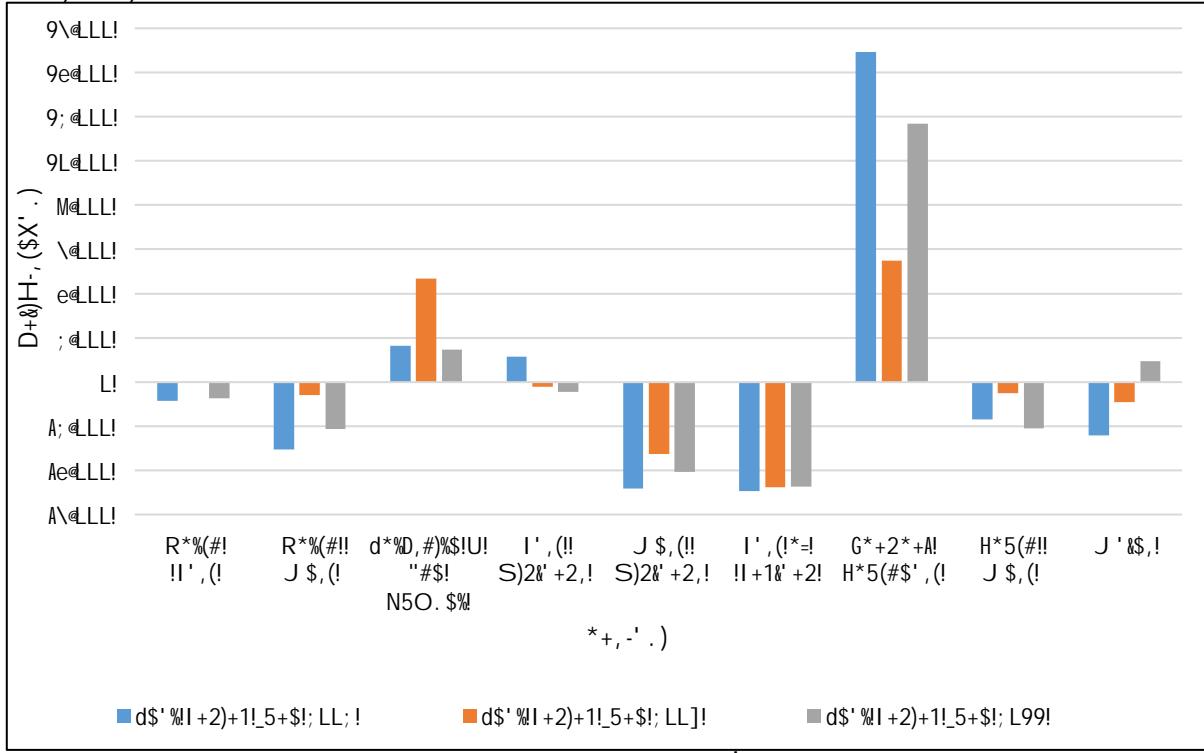
)

! "#\$%\$& () * + , - ' . ") - .) &/ +) 00000")

?*0(()%1&@%&

& | E' O) + + 1!(#\$!, (\$--) + 1A* + !3 * O - * + \$+ (!) + C* & C\$, !3 * O - ' %) + 1!(#\$!%\$1) * + ' & O) 1%' () * + !* =!
 4*5 + 1!' 25&, >6)% , (&4@ / \$!3' + !8* * D! ' (!+\$(!O) 1%' () * + !* =!C' %) * 5, !4\$' %, !25%) + 1!(#\$!; LLL, >A) 1"60&
 : !, #* / , !(#\$!%\$1) * + ' & + \$(!O) 1%' () * + !* =!9\A; e!4\$' %! * & 2, !) + !(#\$!4\$' %, !\$+2) + 1!_5 + \$!; LL; : @_5 + \$!!

K-, 3(+10)*+, -' . \$%. +&) 7-, (\$&' .)' I) 1RSOT) 4+\$() ' % ") - .) &/ +) 4+\$(") + . ; - . ,) U3. +) 0000W) U3. +) 000W)\$. ;)
 U3. +) 0011)



H*5%3\$?!QRH@; LL[\@; LL\@; L9; !@QRH@; LL[\@QRH@; LL\@QRH@; L9; < !

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: !"#, !4\$' %), !3#* , \$+!-*!(/ *!%\$' , *+, >6)% , (&4@)(!3*C\$%, !O * , (!* =!(#\$!-\$%)* 2!3*C\$%\$2!. 4!(#\$!)+(\$%3\$+, ' & - \$%)* 2!
 . \$(/ \$\$+!(#\$!; LL9! + 2!; L99! 0\$+ , 5, \$, !@H\$3* + 2!4@)(!), !(#\$!%\$%), (!)+(\$%+ ' & O) 1%' () * + !2' (' !' C') & . & !!(#' (!#', !'
 . \$%+! 2!5, (\$2!-*!(\$#!)O - %*C\$2!\$, ()O' () * + !* =!, (52\$+(!O) 1%' () * + !

; ; !

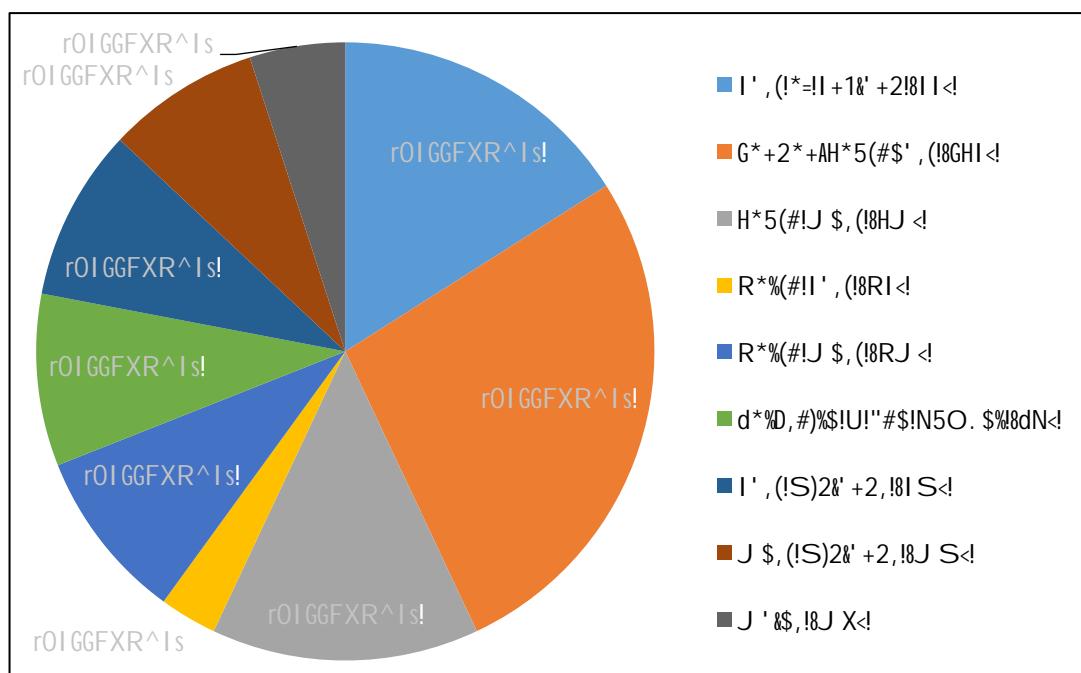
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- * - 5& () * + , >"#\$!QRHAGH!), & ' 1') + & 5+) B5\$&4!- * ,) () * + \$2!(*!-%*C)2\$!(#, !) + = *%O' () * + >!6)% , (&4&
(#\$!(%' + ,) () * + !%' (\$, !-*%! &&!%\$1) * + ' & O) 1%' + (, !' + 2!+ * + A O) 1%' + (, !3' + !. \$!3*O- ' %\$2!(*!
2\$(\$%O)+\$!/#\$(#%O)1%' () * + !-%*C)2\$2!'+4!. \$+\$=)(>b*(#!=)15%, !/#\$%\$!* . (') + \$2!=%*O!' !
, ' O- &\$!*=!QRHAGH!O\$O. \$%, !/#*!/#\$!- %\$, \$+(!) (!.* (#!(#!; LL9!'+2!; L99!0\$+ , 5, \$, @/#\$/%\$!
' 1\$2!9\A\]!)+!; LL9!8'+2!; \AK!]!)+!; L99[<&'+2!/#\$!]+!\$O-&*4O\$+(!*&%!/#\$%!=5&M()O\$!, (52\$+(, !
' (!.* (#!0\$+, 5, \$, !' , !O\$' , 5%\$2!. 4!(\$\$)%RHII O!O!<, >6*%! &&(!#*, \$!/#*!2)2!+*(!%\$1)*+' &&4!
O)1%' (\$!. \$(/\$\$+!; LL9!'+2!; L99!(\$!(%'+,) () * + !%' (\$!/' , !9M>Kg&B5' &(*!; : @; M!#"), !
) + 2)3' (\$!, !(#(&= *%! &&+ * + A O)1%' + (, &(\$!+5O. \$%*!=)+2)C)25' &, !) + !(\$!+ * + A, \$%C)3\$!3& , , !) +!
; LL9!. 5(!)+!(\$!, \$%C)3\$A3& , , !) +!; L99! /' , !; : @; M&/#)3#!%\$- %\$, \$+(, !9M>Kg!*=! &&(!#*, \$!)+!(\$!
+ * + A, \$%C)3\$!3& , , !) +!; LL9!#" #!3*%%\$, - * + 2)+1!(*'+,) () * + !%' (\$!*=![\Kg!*=%! &&(!#*, \$!/#*!
O)1%' (\$2!. \$(/\$\$+!; LL9!'+2!; L99!), !, !) +)=3' + (&4!#)1#%\$!'+2!)+2)3' (C\$!*=! O)1%' () * +!
- %\$O)5O>I B5' &(*!e@LM; !-\$* - &S@)(!2\$+ *(\$, !(#(!/#\$!C\$%! !#)2!*=!(\$*, \$!+ *(!)+!(\$!, \$%C)3\$!
3& , , !) +!; LL9!. \$= *%\$!(\$#4!O)1%' (\$2!/#\$%!)+!(\$!, \$%C)3\$!3& , , !) +!; L99!0\$' %4&%\$1)*+' &
O)1%' () * + !#', !' + !\$=\$3(&. 5(!2)2!(\$), !O)1%' () * + !-%\$O)5O!2)=\$%. 4!%\$1)*+!* =!2\$, ()+' () * + h!!!

& "#\$!QRHAGH! &&* /, !(#), !%\$1)* + ' &3*O- ' %, * + >"#\$!(%' + ,) () * + !%' (\$, !' + 2!O)1%' () * +!
- %\$O)5O, !-*%!+ * + A O)1%' + (, &) + A O)1%' + (, !' + 2!*5(A O)1%' + (, !-*%\$' 3#!*=!(\$!+)+\$!%\$1)* + , !) + !(\$!
; LLL, !' %\$!1)C\$+!)+!B\$. +0& ; &' + 2!%\$!. ' , \$2!*+!(\$!, ' O\$!, ' O- &\$!3%)(\$%)' !', !' . *C\$!#" #\$, \$3*+2!
3*&5O+&*D, !' !(#!+ * + A O)1%' + (, !)+!\$' 3#!%\$1)* + >O&' %4& !+ * + A O)1%' + (!# 2!(\$!1%\$' (\$, !'
3#!+3\$!*=!3#)\$C)+1!5- /' %2!, *3)' &O*. .)) (4!)-!(\$#4!\$)C\$2!)+!(\$!G*+2*+AH*5(\$#, (!%\$1)* + >Q=!
(#, \$!&C)+1!)+!(\$!%\$1)* + !' + 2!+ *(!)+!(\$!, \$%C)3\$!3& , , !) +!; LL9&; >[g!# 2!\$+(\$%\$2!(\$!, \$%C)3\$!
3& , , !. 4!; L99!#" #!, \$3*+2!1%\$' (\$, (!3#'+3\$!/' , !*= \$%\$2!)+!(\$#!' , (!*=!1+1& +2@/#)&\$!(\$!
R*%#A! , (!' + 2!J ' &\$!, !*= \$%\$2!(\$!l*)+(!&* /\$, (!3#'+3\$!d/)(#!*+&4!9]>: g!*=!+ * + A O)1%' + (, !
\$+(\$%)+1!(\$!, \$%C)3\$!3& , , !25%)+1!(\$!2\$3' 2\$>!!

! "#\$! (#)2!'+2!=*5(%#!3*&5O+, !)+!B\$. +0& ; !' %\$!)O- *%(' + (!)+!(\$!3*+(\$E(!*=!(#), !- ' - %\$!
"#\$! (#)2!3*&5O+!1)C\$, !(#!(%' + ,) () * + !%' (\$, !-*%! && / *%D)+1A' 1\$!O)1%' + (, !(#(!\$+(\$%\$2!\$' 3#!
%\$1)* + !25%)+1!(\$!; LLL, &/#)&\$!(\$!*=5%(\$!1)C\$, !(#!2)=\$%\$+3\$!. \$(/\$\$+!(\$!(%' + ,) () * + !%' (\$!
= *%!(\$*, \$!\$+(\$%)+1!' !%\$1)* + !' + 2!(\$!+ * + A O)1%' + (, !/)(#)+!' !%\$1)* + >"#\$!=%, (!%\$+2!(*!+ *(\$!), !'
(#(!' !O)1%' + (!-%\$O)5O!\$E), (\$2!=*%! &&%\$1)* + , >P+!*(#\$!/#*2, &(*, \$!(#(!O)1%' (\$2!(*!\$' 3#!
===== [!X22)0*+' &3%(\$%)!-*%!(#), !, ' O- &\$!'+2! & , ' O- &\$!, !2\$%)C\$2!=*%O!(\$!QRHAGH!/, !(#(!(\$!\$' 1\$!*=! +!QRHAGH!
O\$O. \$%!(!' !- ' %)35&%O\$+, 5,!/, !9L!4\$' %, !1%\$' (\$%(!' +!(!(\$!O\$+, 5, !. \$= *%\$!>J #)&\$!*+\$!/*5&2!\$E-\$3(!9LLg!
=!(\$, \$! 1\$2!E!(!O\$+, 5, !X!(*!. \$! 1\$2!E t9L!(!O\$+, 5, !b@3&*, \$%\$E' O)+' ()*+!*=!(\$!QRHAGH!%\$C\$' &\$2!(\$!=)15%\$!
(*!. \$!: KA: : g!P(!, !5+D+* /+!/#\$%!(\$!2), 3%\$'- +34!)+! 1\$!, !%\$!, \$, !-*%O@#* /\$C\$%' , !' , '\$=15' %2! &&(!#*, \$!/#*, \$!
' 1\$! !(\$!+5, !b! /', !+*(!9L!4\$' %, !1%\$' (\$%(!' +! !(\$!+5, !X!/#\$%\$!E3&52\$2!=*%O!(\$!, ' O- &\$!, >!!

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@\$9%+)0)Q)*+,-' . \$%&(\$. "-&-'.)(\$&+"|' () ; -||+(+. &)7-, (\$. &), (' 38")9+&: ++.)0001)\$.. ;)0011)

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! /' ,!(#\$!%\$1)*+!(#(!*=%%\$2!(#\$!1%\$' (\$,(!3#+3\$!*=\$E-\$%)\$+3)+1!5-/'*%2!,*3)' &O*.)&(4!'+2!
\$+(\$%)+1!(#\$!, \$%\$C)3\$!3&, !25%)+1!(#\$!: LLL,!-*%!. *(#!)(,+*+AO)1%' +(!' +2!O)1%' +(-*-5&' ()*+,>!
! "#\$!=)+' &(/'*3*&5O+, !*=B\$. +0&; !3*O- *5+2!(#\$!\$C)2\$+3\$!*=' !O)1%' ()*+!-%\$O)5O>P=!
O)1%' ()*+!/%%\$!(*!# C\$!&)((&\$!\$==3(!*+, *3)' &-%*1%\$, ,)*+@(#\$+!/\$!/*5&2!\$E-\$3(!-\$*-&\$!
*%1)+' ()+1!=%*O!' !\$1)*+!(*!# C\$!,)O)&%(' +,)()*+!%' (\$,!(*!(\$*, \$!/#*!, (' 4\$2!/)())+!'
%%\$1)*+!'"#\$!= 3(!# (!O)1%' +, !=%*O!\$' 3#!%\$1)*+!# 2! 1%\$' (\$%3#+3\$!*=\$+(\$%)+1!(#\$!, \$%\$C)3\$!
3&, ,!2\$O*+, (%' (\$,!(\$!. \$+\$=)(' 33%\$2!=%*O!O)1%' ()*+!%' +,)()*+!%' (\$,!-*%*5(AO)1%' +(,!
/\$%%!1%\$' (\$%#(#+!=%*+*+AO)1%' +(,!)+!\$C\$%4!%\$1)*+@#* /\$C\$%#(\$#!%' (\$!=%*!O)1%' +(,!\$' C)+1!
G*+2*+AH*5(#\$, ,(!,' +2,!*5(!', !'+*O' &4!#"!), !&D\$&4!(*!2*!/)())#(!#3#%' 3(\$%), ()3,!*=!
(#*, \$!&\$' C)+1!%' (#\$%#(#+!'+!\$E' O-&\$!*=\$O)1%' ()*+!+*(!#' C)+1!'+!)O - 3(>
! "#\$, \$!%\$, 5&(!' %%!3&\$' %!P+!I +1&'+2!'+2!J ' &\$, @(#\$!G*+2*+AH*5(#\$, (!%%\$1)*+!'/ ,!. \$. ,(!
. &\$!(*!- 3)&(' (\$!(\$!5-/'*%2!, *3)' &O*.)&(4!*=!. *(#!)(,!O)1%' +(!' +2!+*+AO)1%' +(-*-5&' ()*+, !
) +(*!(\$!, \$%\$C)3\$!3&, !3*O- '%\$2!(*!*&*(\$%\$1)*+, !%"#, !-\$*+*O\$+*+!#', !+*!/ . \$+\$!, #*/+!
(*!*335%)+!(\$!9: KL, @9: ML, @9: : L, !'+2!; LLL, >
?*0((%)1&@88&
& "#\$!=)+' &\$&\$O\$+(!) +!\$E' O)+ +1!/ #)3#!/' , !(\$!-%) +3) -' &\$, 3' & (*%%\$1)*+!) +!I +1&'+2!
' +2!J ' &\$, !)+!(\$!: LLL, !), !(*!)+C\$, ()1' (\$!(\$*, \$!, (\$--)+1A*=!(\$!\$, 3' & (*%!X!, \$&3()*+!*=!
3#%' 3(\$%), ()3,!*=!QRHAGH!O\$O. \$%, !/#*!/\$%\$! 1\$2!9\!'+2!*C\$%) +!; LL9@/\$%\$!-%, \$+(!' (!(\$!
; LL9\!'+2!; L99!0\$+, 5, \$, @'+2!/#*!5(AO)1%' (\$2!=%*O!\$' 3#!%\$1)*+!. \$(/ \$\$+!; LL9\!'+2!; L99!
' %\$!-%*C)2\$2!)+!B\$. +0&<!'"#\$!=%, (!3#%' 3(\$%), ()3!(*!+*(\$!), !(\$!#\$' C4!%\$-\$%, \$+(' ()*+!*=!4*5+1!
' 25&(!)+!(\$*, \$!/#*!2*!&\$' C\$!\$' 3#!%\$1)*+@#* /\$C\$%2), -' %)(\$!, !\$O\$%1\$!/#\$+!%\$1)*+, !' %\$!
) +2C)25' &4!\$E' O)+\$2!6*%!(\$!G*+2*+AH*5(#\$, (@'+2!(*! !\$,, \$%\$E(\$+(!(\$!I ' , (!*=!I +1&'+2@
(#*, \$!(\$! (!&=(!/\$%\$!, &1#(&4!*&2\$%#(#+!*5(AO)1%' +(,!-*%*O!*(#\$%\$1)*+, !6*%! &*\$1)*+, !
\$E3&52)+1!(\$!, \$!(/ *@(\$!9\A; L!'+2!; 9A;]! 1\$!1%*5-, !O' 2\$!5-!. \$(/ \$\$+![; g!' +2![\g!*=! &
(#*, \$!&\$' C)+1!6*%!(\$!G*+2*+AH*5(#\$, (!'+2!(\$!I ' , (!*=!I +1&'+2!)(!/, !; 9g!' +2!; : g!
%\$, -\$3()C\$&4!P+!3*+(%', (@(\$!: \A[L!'+2![9A[!]! 1\$!1%*5-, !' 33*5+(\$2!=*%![Lg!' +2!; Mg!*=!
(#*, \$!&\$' C)+1!(\$!G*+2*+AH*5(#\$, (!'+2!I ' , (!*=!I +1&'+2!%\$, -\$3()C\$&4!P+!(\$!*(#\$%, \$C\$+!
%%\$1)*+, !(#\$4! 33*5+(\$2!=*%!. \$(/ \$\$+!; [g!' +2!; \g!*=!&\$' C\$%, !%"#\$!(\$+2\$+34!=*%!5(AO)1%' +(,!
=%*O!(\$!G*+2*+AH*5(#\$, (!(*!. \$!*&2\$%!' +2!-5%(\$\$%&*+1!)+!&=\$!), !3*+=)O\$2!. 4! 1%\$' (\$%!
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@\$9%#)_JS)2/\$(\$#&+(-"&#"')-.)0001)' I)&/' "+)7-, (\$&-.,)' 3&)' I)+\$#/)(+, -'.)9+&: ++.)0001)\$.. ;)0011)Z[)
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2/\$(\$#&+(-"&#")) D!^0) D<) PN) !H) <H) !!)
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! " * !, 5 O O' %), \$ @(#\$! G * + 2 * + A H * 5 (#\$' , (! / ' , ! 3 & * , \$, (! (* ! O S S () + 1! (#\$! 3 %) (\$%)' ! = * %! (#\$!
, (\$--)+1A*=!3*O-*+\$+(!*!=!(\$#!\$, 3' &' (*%!(\$\$*%4)!#*, \$! (#' (!&\$=(!(\$#!%\$1)*+!/\$%\$, &)1#(&4!
* &2\$%! (#' +!) +!*(\$\$!%\$1)*+, &#* / \$C\$%&', !-%\$2)3(\$2@(#\$4! / \$%\$! 2 * O)+' (\$2!. 4! (#* , \$!) +! (#\$!
\$' %&4! * %! O)22&\$!-\$%) * 2, !*=!(\$\$)%3' %\$%, &%! (#\$! (#' +!. 4! (#* , \$!) 3 * O)+1!(*! (#\$!\$+2!*=!(\$\$)%!
/*%D)+1!&C\$, >d\$(@3%53)' &&4@(#*, \$!&\$' C)+1! / \$%\$! #'\$' C)&4!%\$-%, \$+(\$2!. 4! (#* , \$!) +! (#\$!, \$%C)3\$!
3&' , , &/ #)3#!3*+=%)O, !' !, (\$--)+1A*=!-%*3\$, , !#' 2!(' D\$+!-&' 3\$!=*&&* /)+1!' !%)2\$!5-!(\$#!, *3)' &
O*.)&(4!\$, 3' &' (*%!#\$%\$/!\$/%\$! !, *! (#*, \$! / #*! 3 * O.) +\$2!%\$1)*+ ' &O)1%' ()*+! /)(#!%\$()%\$O\$+(>
"#\$!'. *C\$!%, 5&(!3*+=%)O!(#' (!(\$! G * + 2 * + A H * 5 (#\$' , (!%\$1)*+! /' , !I+1&'+2!'+2!J' &\$, 7!O*, (!
-%*O)+\$+(!\$, 3' &' (*%!. \$(/ \$\$+!; LL9!'+2!; L99!]
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(\$9%)T)Q)?/\$(+)')7-, (\$. &")\$, +;)1RSOW)I(' 7)+\$#/)(+, -' .)&/\$. &+(+;)&/+)F' . ; ' . S?' 3&/+\$"&) 9+&: ++.)+\$#/)-. &+(#+. "\$%8+(-' ;)

*+, -' .)' I)A(-, -.)	1aa1)Q)0001) Z[\)	0001)Q)0011) Z[\)
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& S' +4!*!=!(#\$!\$C\$+(,!'+2!-*3\$,,\$,!25%)+1!(#\$!;LLL,!2),35,,\$2!)+!H\$3()*+![#!' 2!(#\$!
-*(\$+()' &!(*!)O-' 3(!*+!, *3)' &O*.)&(4!O*%\$!, *!(#' +!O)1%' ()*+!#5,@)(!),!)O- *%' +(!(*!
3*O-' %\$!(#\$!G*+2*+!H*5(#\$', (!\$,3' &' (*%. \$.(/\$\$+!2\$3' 2\$,!(*!2\$(\$%O)+\$!/#\$!(#\$!%\$1)*+!
/,!'. &\$!(*!, *3)' &4!O*.)&, \$!-\$*-&\$!(*!' !\$,, \$%*%1%' (\$%%\$E(\$+(!B\$. +0&!-\$%, \$+(,!'+2!
3*+(%' , (,!(\$!(%' +,)0*+!%' (\$,!=*%-*\$-&\$!/#*!O*C\$2!=%*O!\$' 3#!%\$1)*+!(*!(#\$!G*+2*+
H*5(#\$', (!25%)+1!\$' 3#!)+(\$%3\$+, ' &-\$%)*2@' *&+1!/) (#!(#\$!%' (\$,!=*%' &!) +AO)1%' +(,!3*O.)+\$2!
' +2!+*+AO)1%' +(,!P(),!. ' , \$2!*+!' !, ' O-&\$!*=!(#*, \$!/#*!/\$%\$!-\$%, \$+(!) (!(\$!, (' %(!'+2!\$+2!*=!
\$' 3#!%\$=\$%%+3\$!-\$%)*2@/\$%\$!)+!' !/*D)+1!RHH!O!O' , ,!'+2!/\$%\$! 1\$2!. \$(/\$\$+!9\!'+2!\!]!' (!
(#\$!. \$1++)+1!*!=!\$' 3#!)+(\$%3\$+, ' &-\$%)*2>!!

& "#!, \$3*+2!'+2!(#)%2!3*85O+, !-\$%, \$+(!(\$!(%' +,)0*+!%' (\$,!=*%' 3#!)+(\$%3\$+, ' &
-\$%)*2>P+. *(#!)(!/, !(#*, \$!O)1%' ()+1!=%*O!(#\$!R*%(#!I' , (!#(!\$E-\$%)\$+3\$2!(#\$!1%' (\$,(!
3#'+3\$!*=!\$+(\$%)+1!(#\$!, \$%C)3\$!3& , ,>P+!(#\$!9: : L,!(#\$!&/\$, (!3#'+3\$!/' , !*=\$%%2!(*!(#*, \$!
=%*O!J ' &\$, @/#\$%\$' , !)+!(#\$!;LLL,!)(!/, !(#*, \$!=%*O!(#\$!I' , (!*!=I+1&+2>N*/\$C%\$d)(!), !(\$!
& , (!3*85O+!(#' (!-%*C)2\$, !(#\$!C)(' &'+, /\$%, !" #), !2\$-3(,!(\$!2)=\$%%+3\$!)+!(\$' +,)0*+!%' (\$!
. \$(/\$\$+!2\$3' 2\$, !X!-*,)(\$C\$!C' &5\$!)+2)3' (\$, !(#' (!%' +,)0*+!%' (\$, !/\$%\$!#)1#%\$!)+!(\$!;LLL,!
(#' +!(#\$!9: : L, @/#\$%\$' , !' !+\$1' ()C\$!C' &5\$!O\$' +, !(#\$!*- -*,)(\$!X, !*., \$%C\$2@O)1%' +(,!-%*O!
\$C\$%4!%\$1)*+@. ' %(#\$!I' , (!*!=I+1&+2!/#\$%\$!(\$%\$!/' , !+*!3#'+1\$@\$E-\$%)\$+3\$2!'+!)+3%\$' , \$2!!

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(\$\$%+)WS@(\$.-&-.)(\$&+"')I)&/ "+): /)7-, (\$&+;) &')&/ +)F' . ; . S?' 3&/+\$"&)I(' 7)\$%%' &/+()(+,-."')
9+&: ++.)1aa1\$.) ;)0001\$.) ;)0001\$.) ;)0011)

!*+, -' .)' I)A(-, -.)	1aa1S0001) Z[\)	0001S0011) Z[\)	B-II+(+. #+)
D' (&/)! \$"&)]e!	\;!]	M!
D' (&/)< +"&)]9!	\L!	:!
P' (]/"-(+)^)@/+)N3 7 9+()	e\!]K!	99!
! \$"&)H-; %\$. ; ")	e:!]9!	;!
< +"&)H-; %\$. ; ")	e\!] ; !	\!
! \$"&)' I)! . , %\$. ;)	eK!	eK!	L!
?' 3&/)< +"&)	e;!	e:!	K!
< \$%+"")	e9!	eM!	K!
=%%)H-, (\$. &"')&') F' . ; . S?' 3&/+\$"&)	eK!]9!	e!
=%%D' . SH-, (\$. &"')-. F' . ; . S?' 3&/+\$"&)	; e!	; ; !	A; !

!H*5%3\$?!Q=)3\$!=*%R' 0*+' &H(' 0, 03, !G*+1)(52)+' &H(524!

8)D\$##**2!*!=+\$+(\$%)+1!(#\$!, \$%C)3\$!3&, , !25%)+1!(#\$!; LLL,!(#' +!O)1%' +(, !)+!(#\$!9: : L, \!"#\$!
O-*%(' +3\$!*=!(#), !3' ++*(!. \$!5+2\$, (' (\$2>P+!, -)(\$!*=!(#\$!C' %)*5, !\$C\$+(, !'+2!-*3\$, , \$,!#'(!
#!' 2!(#\$!-*(#+()' &(*!2), %5-(!#\$!G*+2*+AH*5(#\$' , (7, !' .)&(4!(*!' &* /!5-/' %2!, *3)' &O*.)&(4@
%\$1)*+' &O)1%' +(, !%\$!3' ()+1!(*!(#\$!%\$1)*+!/\$%\$!O*\$%\$!D\$&4!(*!\$+(\$%(#\$!, \$%C)3\$!3&, , !25%)+1!
(#\$!; LLL,!(#' +!(\$#4!/\$%\$!25%)+1!(#\$!9: : L, \!"#\$!\$, 3' & (*%' --\$' %, !(#!' C\$!, (%\$+1(#\$+\$2)>
N*/\$C\$%@(#), !#', !+*(!. \$\$+!' !5+C\$%, ' &)O-%*C\$O\$+(>X, !(#\$!-)+' &%* /!#)1#&1#(, @=*&+*+A
O)1%' +(, @' !1%*5-!' %%\$' 24!2), ' 2C' +' 1\$2!3*O-' %\$2!(*!O)1%' +(, @!(#\$!-%* - *%) *+!*=!(#*, \$!
\$+(\$%)+1!(#\$!, \$%C)3\$!3&, , !=\$&!. 4!(/ *!-\$%3\$+(' 1\$!-*)+(, !

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"#\$!=)+' & - ' %(!*=!(#), !
%\$, 5&(,!,\$30^+!3^O-' %\$,!
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G^+2^+AH^5(#\$' , (!)+!
\$' 3#!)+(\$%3\$+, ' &-\$%)^2!
"#\$,\$!' %%!, 5OO' %, \$2!)+!
B\$. +0&F!#"*, \$!&\$' C)+1!)+!
(#\$!; LLL,!/\$%%!, &1#(&4!
2\$%!#'+!(#, \$!)+!(#\$!
9: : L, @#^/\$C\$%!' 1')+!
(#\$4!/\$%%!O^, (&4!
%%-\$%, \$+(\$2!. 4!
1%' 25' (\$,!+2!(#*, \$!
\$' %&4!*+!)+!(#\$)%!/*%D)+1!
&C\$, @+*(!#*, \$!*=!
, (52\$+(!' 1\$!+*%!(#*, \$!
+\$' %)+1!%\$()%\$O\$+(&
H)O)&%!-%*-*%()^+, !*=!
*5(AO)1%' +(,!/\$%%!' 1\$2!
. \$(/\$\$+!; 9!'+2![,]!)+!
. *(#!-\$%)^2,!O' D)+1!5-!
eeg!*!=!(#*, \$!&\$' C)+1!)+!
(#\$!9: : L,!'+2!e[g!*=!
(#*, \$!&\$' C)+1!)+!(#\$!
; LLL,>G\$' C\$%, !)+!(#\$!
&' ((%%)+(\$%3\$+, ' &-\$%)^2!
/\$%%!\$,, !&D\$&4!(*!. \$!
O' %%\$2!' +2!O^*\$%\$!\$D\$&4!
(*!. \$!,)+1&\$!(#'+!(#*, \$!

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+!(\$#!9: : L,>N*/\$C\$%&2\$, -)(\$!(#\$!' 1\$, (%53(5%, !*=!(#*, \$!&\$' C)+1!)+2)3' ()+1!(#' !(#\$4!/\$%\$!
4*5+1!' 25&(#\$%\$!), !\$C)2\$+3\$!(#' (!-*)+(, !(* /' %2, !-\$*-&\$!&\$' C)+1!(#\$!G*+2*+AH*5(#\$' , (!
' =(\$%!(#\$4!# 2!)22\$+!5-!(#\$!, 3' &' (*%&' +2!(#' (!#), !/' , !' !O *%\$!3*OO*+!-\$+*O\$+*+!)+!
(#\$!; LLL, !(#' +!(#\$!9: : L,>W%)O' %)&4&*5(AO)1%' +(, !. \$(/\$\$+!; LL9!' +2!; L99!# 2! 1%' (\$%
%\$-%\$, \$+((')*' +!' O*+1!(#*, \$!/#*!# 2!%\$' 3#2!(#\$!, \$%C)3\$!3&', , >X22)()*+' &&4&/#)&\$!(#\$!
-%*-*%()*' +, !)+!=5&A()O\$!\$O-&*4O\$+(!'+2!%\$()%\$O\$+(!/\$%\$,)O)&' %' (!(\$#!, (' %(!*=!. *(#!
) +(\$%3\$+, ' &-\$%) *2, &!' 1%' (\$%, #' %\$!*=(#*, \$!&\$' C)+1!)+!(#\$!; LLL, !/\$%\$!%\$()%\$2!. 4!(#\$!\$+2!*=!
(#\$!%\$=\$%\$+3\$!-\$%) *2>P+, 5OO' %4&(#*, \$!, (\$--)+1A*=!(#\$!G*+2*+AH*5(#\$' , (!\$, 3' &' (*%!)+!(#\$!
; LLL, !/\$%\$!O *%\$!%\$-\$%, \$+((')C\$!*=!(#*, \$!2\$, 3%). \$2!)+!(#\$!, 3' &' (*%!(#\$*%4!(#' +!&\$' C%, !)+!
(#\$!9: : L, &!', !(#\$4!/\$%\$, &1#(&4!*2\$%&2!O *%\$!' 2C' +3\$2!, *3)*\$3*+*O)3!-*,)()*+' +2!
/\$%\$!O *%\$!&D\$&4!(*!3*O.)+\$!*5(AO)1%' ()*+' +2!%\$()%\$O\$+(!&

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BJ?2C??JAD))

! "#\$!=+2)+1,!3*+3&52\$!(#" (!#\$!G*+2*+AH*5(#\$, (!/, !+1&' +2!J ' &\$, !2*O)+' +(!\$, 3' & (*%\$!1)*+!25%+1!(#\$!; LLL,!+2!(#" (!, !+!\$, 3' & (*%)(!=5+3()*+\$2!. \$((%)!+!(#\$!; LLL,! (#' +!)+!(#\$!9: : L, !S *%\$, -\$3)=3' &&4@(#\$!%, 5&(!, #*/!=%), (&4!(#" (!#\$!G*+2*+AH*5(#\$, (!/, !(#\$!O*, (!- *-5&%2\$, 0+ ')*+!=*%. *(#!4*5+1! 25&(!+2!4*5+1! 25&(!\$253' (\$2!(*'! (!\$' , (! 2\$1%\$!\$C\$& /)(#!(\$!%\$1)*+!1')+) +1!= ' %O*%\$!(#' +!)(!&, (!#%*51#*5(!#\$!=%), (!2\$3' 2\$!*=!(#\$! ; 9' !0\$+(5%4!H\$3*+2&4@)(!/!, !3*+=%)O\$2!(&#((!#\$! .)&(4!(*'! 3#)\$C\$!5-/' %2!O*.)&(4!'+2! \$+(\$%, \$%C)3\$!3& , !*335- ')*+, !/!, !1%\$' (\$%!=*!(#*, \$!(#' (!O)1%' (\$2!(&#' +!=*!(#*, \$!(#' (!2)2! +*(!#), !/!, !(%\$!. *(#!=*!-\$*-&\$!O)1%' ()+1!)+(*!\$' 3#)!\$1)*+!'+2!(&#*, \$!O)1%' ()+1!*5(!*= !\$' 3#)!\$1)*+!#)%2&4@(#\$!=+2)+1,!3*+3&52\$2!(&#((!#\$!G*+2*+AH*5(#\$, (!/, !' &, *!(#\$!%\$1)*+! /#\$%. 4!O)1%' +(, !' +2!+*+AO)1%' +(, !#' 2!(&#\$!1%\$' (\$, (!3#'+3\$!*=!\$E-\$%)\$+3)+1!5-/' %2!, *3)' & O*.)&(4!'+2!\$+(\$%)+1!(#\$!, \$%C)3\$!3& , !6*5%(#&4@)(!/!, !2\$O*+, (%' (\$2!(&#((!#, \$!&\$' C)+1!(#\$! G*+2*+AH*5(#\$, (!/\$%!, &1#(&4!*&2\$%!' +2!=5%(#%!' &+1!(#\$!&=\$A3*5%, \$!(#' +!*5(AO)1%' +(, ! =%*O!*(\$#%\$!1)*+, @. 5(!/\$%\$!*&&4!-' %()' &&4!%\$-\$%, \$+(\$2!. 4!(&#*, \$!3*O)+1!(*' /' %2!(&#\$!\$+2!*= !(\$%)!/*%D)+1!&C\$, >6)+' &&4@(#\$!G*+2*+AH*5(#\$, (!/, !', !- *-5&%)+!(#\$!; LLL,! , !)(!/!, !)+!(#\$!9: : L, !' O*+1!4*5+1! 25&, !N* /\$C\$%&(#\$!& ((%2\$3' 2\$!, ' /' !1%\$' (\$%, #' %\$!*=!) +AO)1%' +(, !\$%-%, \$+(\$2!)+!(\$!, \$%C)3\$!3& , !(#' +!(\$!\$' %\$!\$2\$3' 2\$@2\$O*+, (%' ()+1!(&#((!#\$!, 3' & (*%#' 2!, (\$%+1(\$#+\$2! =*&* /)+1!(#\$!, (' %(!*=!(#\$!+\$!/O)&\$++5O></p></div><div data-bbox="114 596 889 900" data-label="Text"><p>! "#\$, \$!=+2)+1,!#' C\$!)O-*%' +(!O-&)3' ()*+, !"#\$4!1%*5+2!(&#\$!, 3' & (*%!(#\$*%4!=5%(#\$%)+\$O-)%3' &\$C)2\$+3\$!#"!\$.)&(4!(*!\$+(\$%!(#\$!, \$%C)3\$!3& , !#', !+* /!. \$\$+!, #*/+!(*!. \$! 1%\$' (\$%!=*!(#*, \$!(#' (!, (\$-!*+(*!(\$!\$, 3' & (*%8)>\$!(&#*, \$!/#!O)1%' (\$<3*O- ' %\$2!(*!(#, \$! /#!2)2!+*(!O)1%' (\$!)+!(#\$!9: KL, &9: ML, &9: : L, !' +2!+* /!(#\$!; LLL, !"#\$!G*+2*+AH*5(#\$, !(#' , !' &, *!. \$\$+!3*+=%)O\$2!' , !(#\$!=*%\$O*+, (!\$, 3' & (*%\$!1)*+!)+!\$' 3#!=!(\$\$, \$!=*5%2\$3' 2\$, & ' 22)+1!(*' +2!, (\$%+1(\$#+)+1!(\$#!\$, '\$%3#!3*+253(\$2!. 4!6)\$&2)+1!89: : ; &9: :]d; LLK<! +2! 0# ' O-)*+!\$(!&8; L9e<!"#, !), !2\$O*+, (%' ()C\$!*=!)(, !)O- *%' +3\$!)+!. *(#!+' ()*+' &O)1%' ()*+! ' +2!\$3*+*O)3!, 4, (\$O, !' +2!)+2)3' (\$, !' !+' ()*+' &2)C)2\$@ /)(#!-\$*-&\$!&C)+1!)+!+!(\$#!R*%(\$#! 0*O.)+\$2! /)(#!(\$!, /)(3#!)+!O)1%' ()*+!, (%' O, &/#\$%. 4!(\$#!H*5(#!1')++\$2!-\$*-&\$!=%*O!(\$#! R*%(\$!)+!(\$!, \$3*+2!#&!=!(\$#!2\$3' 2\$!8G*O' E!\$(!' &d; L9e<!(#\$!/\$&2*35O\$+(\$2!R*%(\$#! H*5(#!2)C)2\$! /)(#)+!(\$#!VZ!), !&D\$&4!(*!#&C\$!\$E(\$+2\$2!(*!(\$!, D)&&C\$&, !-%\$C' &\$+(!)+!\$' 3#!</p></div><div data-bbox="488 925 517 941" data-label="Text"><p>[!]!</p></div><div data-bbox="116 942 128 955" data-label="Text"><p>!</p></div>

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%\$1)*+>"#\$!2*O)+' +3\$!*=(#\$!G*+2*+AH*5(#\$' , (!\$E(\$+2,!5%(\$\$%(*!(#\$!O)1%' ()*+,!*!=4*5+1!
 ' 25&(>"#\$!G*+2*+AH*5(#\$' , (7,!- *-5&%)(4!25%)+1!(#\$!; LLL,! O*+1!(#*, \$!' (!#\$!, (' %(!*=!(#\$%)!
 /*%D)+1!&C\$, !2%' / , !3*O-' %), *+, !/)(#!(#\$!=)2)+1,!*=!G*O' E\$(!' &8; L9e<&HO)(#!' +2!H' 1\$!
 8; L9e<!'+2!H' 1\$!\$(!' &8; L9[<!'"#\$!1%*/(#!)+!-* -5&%)(4!=%*O!%\$1)*+,!=5%(\$\$%' /' 4@,53#!', !
 (#\$!R*%(#!!' , (!' +2!d*%D, #)%\$!' +2!"#\$!N5O. \$%!=5%(\$\$%%\$=&\$3(,!(\$\$!)3+\$%,)+1!-5&!*!=!(#\$!
 %\$1)*+!'+2!(#\$!1%*/)+1!2)==\$%\$+3\$!. \$(/\$\$!+!R*%(#!' +2!H*5(#!#\$!=)2)+1,!&, *!#)1#&1#(!(\$!
 &O)' ()*+!*!=!(#\$!, (\$--)+1A*=!3*O-*+\$+(!*=!(#\$!, 3' &' (*%!(#\$*%4!X, !/)(#!(#\$!=)2)+1,!*=!
 0# O-)*+!8; L9; <!'+2!6)+2& 4!\$(!' &8; LLM<&(#*, \$!&' C)+1!\$' 3#!%\$1)*+!25%+1!(#\$!; LLL,!/\$%\$!
 2*O)+ (\$2!. 4!4*5+1\$%)2C)25' &, !3*+(%' %4!(*!/#!' (/'*5&2!. \$!\$E-\$3(\$2)!=*&* /)+1!(#\$!
 %\$1)+' &\$, 3' &' (%!(#\$*%4!R*+\$(\$\$%, , @(#*, \$!#(#!&(\$!G*+2*+AH*5(#\$' , (!/\$%\$!#\$' C)&4!
 %\$-%\$, \$+(\$2!. 4!(\$*, \$!)+!(#\$!, \$%C)3\$!3&' , , @)+2)3' ()+1!(#' (!#\$4!/\$%\$, (\$--)+1A*=!(#\$!
 \$, 3' &' (*%# C)+1%)22\$+!5-!)(!Q=-' %)(35&% ,)1+=)3' +3\$!), !(#\$!&O)(\$2!)O- ' 3(!# 2!. 4!(\$!
 \$E(\$%+' &\$C\$+(!' +2!- %*3\$, , !#(#!O' +)\$, (\$2!25%)+1!(#\$!; LLL, &P(!' , !-%\$2)3(\$2!(\$' (!(\$!
 3*O.)+()*+!*!=)+3\$' , \$2!)OO)1%' ()*+@' !#51\$!\$3*+*O)3!%\$3\$, ,)*+!'+2!'+!)+3\$' ,)+1&4!#)1#&4!
 \$253' (\$2!/*%D)+1!- *-5&' ()*+!/*5&2!2O)+), #!(#\$!G*+2*+AH*5(#\$' , (7,!'.)&(4!(*!- %*O*(\$!
 . *(#!+*+AO)1%' +(,!'+2!O)1%' +(,!)+(*!(#\$!, \$%C)3\$!3&' , , @J #)&\$!(#), !/' , !(#\$!3' , \$!=*%!+*+A
 O)1%' +(, @)(, \$&!'+!)+(\$(\$%,)+1!%\$, 5&(@O)1%' +(,!3*O)+1!-%*O!\$C\$%4!%\$1)*+!/\$%\$!' 3(5' &4!O*%\$!
 &D\$&4!(*!\$+(\$%!(#\$!, \$%C)3\$!3&' , , !)+!(#\$!; LLL, !(#'+!(#\$!9: : L, &"#, !)+2)3' (\$, !(#' (!(\$!/*%D)+1, !
 !=!'+!\$, 3' &' (%' %\$, *O\$/#!' (!, #)\$&2\$2!=%*O!, *O\$!*!=!(#\$!\$E(\$%+' &- %*3\$, , !#' (!*+\$!/*5&2!
 \$E-\$3(!(*!)+=5\$+3\$!)(!

! N* / \$C\$%@3' +!(#\$, \$!2)==\$%\$+3\$, !)+!(#\$!&D\$@#* *2!*=!\$+(\$%)+1!(#\$!, \$%C)3\$!3&' , , !=*%!
 (#*, \$!#(#!O)1%' (\$!'+2!(\$*, \$!#(#!2*!+*(!. \$!, *\$!&4! ('%). 5(\$2!(*!(\$!- %*3\$, , !*=!O)1%' ()*+h!H*!
 =%!(#\$%\$!#', !. \$!+! !2), \$!1' %2!=*%#* /!(#\$!-\$%, *+' &3#%' 3(\$%), ()3, !*=!(#*, \$!#(#!O)1%' (\$!
 O' 4!. \$!)+=5\$+(0' &) +2\$(\$%O)+)+1!(#\$%!, *3)' &O*.)&(4!- ' (#' /' 4, !)+!(#\$!\$1)*+!*=!2\$, ()+' ()*+!
 J #)&\$!O# O-)*+!\$(!' &8; L9e<2), O), !1\$+\$%' &3#%' 3(\$%), ()3, !53#!', !' 1\$!' +2!1\$+2\$%&^*%2*+!
 8; L9] <!- %* - *, \$, !(#' (!-\$%, *+' &O.)()*+!(*' 3#)\$C\$, 533\$, , !)+!(#\$!i* . !O' %D\$(!), !- %()' &4!/#' (
 ' &&* /, !-\$* - &\$!(*!%)2\$!5-!(\$!\$, 3' &' (*%!=', (\$%!S)1%' ()*+@\$C\$+!%\$1)*+!&4! /)(#)+! !3*5+ (%4d
)+C*&C\$, !, *O\$!D)+2!*=!%), D@' !3*, !(#' (!+\$2, !3*+,)2\$%+1!', !-\$%!(#\$!#5O' +!3' -)(# &O)1%' ()*+!
 (#*%4!6*%O)1%' +(!(*!, 533\$ \$2@(\$!4!(\$%\$=*\$%!+\$!2!(*!# C\$!(\$!\$! O.)()*+!+*(!\$+1' 1)+1!)+!
 O)1%' ()*+!)+!(#\$!=%), (!- & 3\$>R*+\$(\$\$%, , !&*3' ()*+!2*\$, !O' ((%\$! C\$+!)=!)+(\$%+! &O)1%' +(!

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3*+=*%O!(*!(#\$!#5O' +!3' -)(` &!(#\$*%4!*!=O)1%' ()*+!. 4!' 33*5+()1!=*%!(#\$!3*, (,!'+2!. \$+\$=)(,!-!=O)1%' ()+1' +2!#` C)+1!(#\$!' O.)()*+!(*!, 533\$\$2@(#), !, 533\$, , !), !, ()&!O*, (!D\$&4!(*!*335%) +!3)(4!%\$1)*+, @, 53#!', !(#\$!G*+2*+AH*5(#\$, (!8Z*%-)!' +2!O&' %D@; L9] o!!

! "#\$!G*+2*+AH*5(#\$, (!' .)@)(4!(*!, *3)' &&4!-%*O*(\$(\$!)(,!-*-5&' ()*+!O*%\$!\$==3)C\$&4!(#' +!*(\$#%\$1)*+, !O' 4!*&, !\$. \$!E-&')+\$2!. 4!, #)=(, !)+!\$O-&*4O\$+(!, (%53(5%, !"#\$!, #' %\$!*=!\$O-&*4O\$+(! 33*5+(\$2!=*%. 4!&* /A, D)&&\$2!/*%D!)+!(\$#!VZ!=&!. \$(/\$\$+!9: : K!'+2!; L9[@', !2)2!(\$#!-%*-*%) *+!*!=(\$#!VZ!/*%D=&*3\$!\$O-&*4\$2!)+!&* /A, D)&&\$2!i*., !8S)1%' ()*+!X2C), *%4!0*OO)((\$\$@; L9e o!O*+C\$, \$!4@(\$#!+5O. \$%, !)+!#)1#A, D)&&\$2!i*., !)+3%\$, \$2>"#, !, #)=(!(* /' %2!#)1#A, D)&&\$2!\$O-&*4O\$+(! O*+1!VZ!/*%D\$, !3*5&2!\$E-&')+!(\$#!5-/' %2!(\$\$+2!)+!(*, \$!\$+(\$%)+1!(\$!, \$%C)3\$!3&., >H\$3*+2&4@G*+2*+!#, !\$E-\$%)\$+3\$2!1%\$' (\$%%&'. *5%O' %D\$(!-*&%, ' ()*+!(\$' +!'+4!*(#\$%' %\$' !)+!b%)(')+!,)+3\$!(\$#!9: : L, @O\$' +)+1!(\$' (!#\$!1%*/(\$!)+!, !* /A, D)&&\$2!'+2!#)1#A, D)&&\$2!i*., !#' C\$!*5(-' 3\$2!(\$*, \$!)+!(\$#!O)22&\$18Z' -&+, @; LLK o!Q+\$!-%*O)+\$+(!\$E-&'+()*+!=%!(#), !#*&* /)+1A*5(!-*3\$, , !), !(\$#!*5(A, *5%3)+1!*!=O)22&\$A, D)&&\$2!i*., !8Z' -&+, @; LLK@S)1%' ()*+!X2C), *%4!0*OO)((\$\$@; L9e o!"#\$!&*, , !*=!(\$!, \$!i*., @(\$#!)+3%\$, \$!)+!(' C')&*. &\$!#)1#A, D)&&\$2!i*., @' +2!(\$#!)+3%\$, \$!)+!(\$!, #' %\$!*=!&* /A, D)&&\$2!i*., !#*&2!. 4!(\$#!+*+AVZ!. *%+@%, 5&(!)+!(\$*, \$!%\$O')+)+1!*+!(\$#!G*+2*+AH*5(#\$, (!, 3' &(*%!*+&4!. &\$!(*\$!+(\$!#)1#A, D)&&\$2!i*., !)=!(\$#!5-/' %2&4!O*.)&&!#"!), !3' +!\$E-&')+!. *(!/#4!(\$#!G*+2*+AH*5(#\$, (!, 3' &(*%!*5(A-\$%*%O\$2!*(#\$%' 1)*+, !)+!(\$#!; LLL, !'+2!(\$#!\$1)*+7, !\$, 3' &(*%!) +!(\$#!9: : L, >!!

! J #)&!(\$#%\$!), !\$C)2\$+3\$!(\$' (!2*O)+' +(!\$, 3' &(*%%' 1)*+, !. \$3*O\$!, *!, (%53(5%' &4!\$O. \$22\$2!)+! !+' ()*+7, !\$3*+*O4!(\$' (!\$E(\$%+' &-\$#+*O\$+' !#' C\$!@)(&\$!)O-' 3(@(\$#!%, 5&(!, !511\$, (!#(!)(3' +!. \$!&(\$%\$2!. 4!&*+1\$%A(\$%O!-*3\$, , \$!, !#(!(. %.)+1!'. *5(!, (%53(5%' &*%, *3)\$(' &3#'+1\$!6*%\$E' O-&*\$@(\$#!& 3D!*=!*&2\$%-*\$-&\$!%\$-\$%, \$+(\$2!)+!(\$*, \$!, (\$--)+1A*=!(\$#!\$!, 3' &(*%d/#)&\$!, 511\$, ()C\$!*=! 1\$+\$%' &=!&)+!(\$#!)+(\$%+' &O)1%' ()*+!-*-\$+,)(4!*!=!*&2\$%-\$*-&\$@O' 4!&, *!. \$!25\$!(*3#'+1\$, !)+!(\$#!)=A3*5%, \$!*=!4*5+1\$%-\$*-&\$!P(!, !\$3*1+), \$2!(\$' (O)1%' ()*+!), !+*(!, *\$!4!2%\$C\$+!. 4!\$3*+*O)3!O*()C\$, !'+2!(\$#!2\$,)%)!(*!)O-%*C\$!/' 1\$, !'. *C\$!\$C\$%4(#)+1\$%, \$!F' (\$#%@)(' 33*5+(!=*%+*+A\$3*+*O)3!2\$(\$%O)+' +(, !"#\$%\$!), !'+!)+3%\$, ,)+1!(\$%+2!(* /' %2!-\$*-&\$!*+&4!/' +()+1!(*!\$C\$!)+!O\$(%*-*&)(' +!'\$, !=*%' , !&*+1!', !(#\$4!#' C\$!(*!*%5+()&!(\$#!#' C\$!' 3#)\$C\$2! !, -\$3)=3!1*' &@/#)3#!5, 5' &4!)+C*&C\$, !-*1%\$, ,)+1!)+(*! !#), (' (5, !j*.*Q+3\$!(\$!), !' 3#)\$C\$2@+*+A\$3*+*O)3!= 3(*%, !(D\$!*C\$%!#\$, \$!O' 4!)+C*&C\$!(\$#!2\$,)%)!(*!, (' (%(!' +2!%), \$! !' O)&4!)+!\$!, , !. 5)&(!5-!'+2!1%\$+\$%!5%*5+2)+1, !(#(!' &* /, !=*%' !1%\$' (\$%!

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B5' &(4!*!=&=\$!^)C\$+!(&' (!(#\$, \$!&=\$!\$C\$+(,!*335%) +!(&\$!& (\$A(/\$+()\$, !' +2!\$' %&4A(#)%(\$, !)(!/*5&2!\$E-&') +!/#4!(&\$!\$E*25, !=%*O!(&\$!G*+2*+AH*5(&\$', (!, !O' 2\$!5-!*=!(&), !' 1\$!1%*5->6*%&/)+1!(&), !&*1)3@)(!3*5&2!. \$!' %15\$2!(&' (!#\$\$!==3(,!*&1(&\$%, (%53(5%' &3#'+1\$, @, 53#!', !(&\$!, \$!)+!#)1#&%\$253' ()*+@O' 4!+*(!#& C\$!. \$15+!(*!&(\$%(&\$!/*%D)+1, !*&=!'+!\$, 3' & (*%1)C\$+!(&' (!#4!%\$!%\$&)0C\$&4!+\$!/!-#\$+*O\$+' >P(!/*5&2!. \$!*=!)+(\$%, (!(*!\$E' O)+\$!/#\$(&\$!%\$!O'*%\$!#)1#&4A\$253' (\$2!/*%D)+1!-*5& ()*+!%, 5&(!)+!, ' (5%' (\$2!& . *5%O' %D\$(!' +2!(&\$!'=3(,!(& (!#, !O' 4!#& C\$!*+!, *3)' &O*.)8)(4!)+!(&\$!4\$' %, !' +2!2\$3' 2\$, !(*!3*O\$&

! a\$, -)(\$!(&\$!)+,)1#(!-%*C)2\$2!. 4!(&), !, (524@)(!2*\$, !#& C\$!&)O)(' ()*+, >Q+\$!*=!(&\$, \$!), !(&' (!#\$!%\$& ()*+, #)-!. \$(/\$\$+!, *3)' &+2!, -' ()' &O*.)8)(4!3' ++*(!. \$!, \$- '% (\$2@O\$' +)+1!)(!), !+*(!D+*/+!/#\$+!, *3)' &O*.)8)(4!*335%, !)+!%\$& ()*+!(*! !%\$1)*+!&O)1%' ()*+>J #)&\$!(&\$!('% C\$&& (*%'+2!\$&C' (*%O*C\$O\$+(!)+(%253\$2!. 4!6)+2& 4!\$(!' &8; LL:<!-%*C)2\$! !O\$' +, !(#%*51#/!)3#!(&\$!%\$& ()*+, #)-!. \$(/\$\$+!(&\$!(*!3' +!. \$!\$+C),)*+\$2@(&\$, \$!)(4-\$, !*&=O*C\$O\$+(!3' ++*(!. \$!\$E' O)+\$2!5,), +1!(&\$!QRHAGH!#"), !-%*C)2\$, !, *O\$!), , 5\$, >P=!'+!)+2)C)25' &\$E-\$%\$+3\$, !' +!\$&C' (*%O*C\$O\$+(!*335-' ()*+!-%*1%, ,)*+!/)(&*5(!O)1%' ()*+<' +2!(&\$+!O)1%' (\$, !/)(&*5(!=5%(&\$!3#'+1\$, !)+!*335-' ()*+&(!5-/' %2!O*C\$O\$+(!), !' ((%). 5(\$2!(*!(&\$!%\$1)*+!*=!2\$, ()+' ()*+!%' (&\$!(&' +!(&\$!%\$1)*+!*=!%\$1)+!/#\$%\$!)(! 3(5' &4!*335%\$2>H)O)& %&4@)=! !, *3)' &O*C\$O\$+(!*335%, !' =(\$%' !O)1%' ()*+!. 5(!)+! !, \$- '% (\$!)+(\$%3\$+, ' &-\$%)*2!(&\$+!)(!/*5&2!+*(!. \$!%\$3*%2\$2!', !' +!5-/' %2!O*C\$O\$+(>X!, \$3*+2!&)O)(' ()*+!), !(#' (!(&\$!)O- ' 3(,!*&=3*OO5() +1!3*5&2!+*(!. \$!' 33*5+(\$2!=%>P(!), !C\$%4!&D\$&4!(&' (! !+5O. \$%*!=!-\$*-&\$!3*5&2!C\$!)+!*+\$!%\$1)*+!. 5(!3*OO5(\$!(*!/*%D!)+!'+*(#%\$1)C\$+!(&' (!9[g]*!=!/*%D\$, !#& C\$! !3*OO5(\$!()O\$!1%' (\$%(&' +!e]!O)+5(\$, !8QRH@; L99<!#"), !), !\$, -\$3)' &4!(&\$!3', !\$=*&(!*, \$!/#*!, (\$-!*=!(&\$!\$, 3' & (*%25%)+1!(&\$)!& (\$A(/\$+()\$, !' +2!\$' %&4A(#)%(\$, !' +2!O)1%' (\$!(*!3*OO5(\$%(*/+!, !*5(,)2\$!O' i*%O\$(*-*&(' +!%\$', !#& C)+1!%\$' 3#2!' !#)(*3)*\$3*+*O)3!, (' (5, >P(!), !(#*, \$!)+!(&\$!#)1#&%O' +' 1\$%' &+2!-%*=\$,,)*+!&*335-' ()*+, !/#*!%' %\$!O*, (!D\$&4!(&!#& C\$!(&\$!&+1\$, (!3*OO5(\$!8QRH@; L9e<!#" !O)=)3' ()*+!), !(#' (!-\$*-&\$!3' +' . \$!' 33%\$2)(\$2!/)(\$!2)+1!5-!'+!\$, 3' & (*%(&' (!#4!2)2!+*(@25\$!(*!(&\$!=! 3(!#' (!#4!/\$%\$!%2)+1!(&\$!\$, 3' & (*%)+!(&\$!%\$1)*+!/#\$%\$!(&\$4!/*%D\$2@+*(!/#\$%\$!(&\$4!&)C\$2>!!

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! "#), !- ' -\$%!#' 2!(/*!*!-%)O' %4!')O, !#"#\$!=)% , (!/ ' , !(*!\$E' O)+\$!(#\$!=5+3()^*+!*!=!%\$1)^*+ ' &
\$, 3' & (*%, !)+!I +1&' +2! ' +2! J ' &\$, !25%+1!(#\$!; LLL, !#"#\$!, \$3^*+2! / ' , !(*!3^*O- ' %%!(\$!(#\$!=5+3()^+!

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F\$!` (\$2!. * (#!(*)!(\$#, \$!%, 5&(!' +2!(\$#!O)(')*+, !*=!(\$!, (524!-\$, \$+(\$2!)+!(\$#!-\$3\$2)+1!, \$3()*+!(\$#!\$!%\$, !*=!\$+B5)%!(\$! (I3*5&2!. \$+\$=)(!%*O!=5%(\$#!\$%, \$' %3#>!#\$%\$!+\$2,!(*!. \$!' ((O-(,!(*!), *& (\$!(#\$!\$==3(,!*=!O)1%' ()*+!*+, *3)' &O*.)&(4!)+!*%2\$%!(*! ,3\$%(')+!(\$#!\$E(\$+(!*=!(\$#!3' 5, ' &(4!)+!(\$#!\$&' ()*+, #)-!#"), !3' +!. \$!2*+\$!\$)(\$#!\$. 4! ,5--\$O\$+()1!'+&4,), !*=!(\$#!\$RAGH!/)(\$!, \$-' %' (\$!, 5%C\$4, !8', !3' %%)\$2!*5(.. 4!6)+2&4!\$(!' &8; LL:<!*\$%. 4!\$E' O)+)+1!(\$#!, *3)' &- (' /' 4, !)+!*+\$!)+(\$%3\$+, ' &-\$%)2!*=(#*, \$!/#*!O)1%' (\$2! 25%)+1!(\$#!-\$C)*5, !)+(\$%3\$+, ' &-\$%)2&, !' 2C*3' (\$2!. 4!0#O-)*+\$!(\$(!' &L9e>H\$3*+2&4& (#), !, (524!#', !*+&4!3*O- '\$2!(\$#!-\$%*%O' +3\$!*=!(\$#!G*+2*+AH*5(\$#!\$, (!\$, 3' & (*%. \$. (/\$\$+! 2\$3' 2\$, >0*+, \$B5\$+(&4!(\$#!\$!), !, 3*-!(\$!\$E' O)+\$!#* /!*(\$#!\$%\$1)*+, !3*O- '\$2!. \$(/\$\$+! 2\$3' 2\$, >"#\$%\$!), !' &, *!(\$#!-*,,).)&(4!(\$!\$E' O)+\$!(\$#!\$, 3' & (*%!(\$#!\$%4!=%*O! !&=\$!3*5%, \$! -\$%, -\$3(C\$!1)C\$+!(\$! (I/\$!+* /!# C\$!2' (' !3*C\$%)+1!=*5%!2\$3' 2\$, >"#), !/*5&2!' && /! !-5&&)+C\$, ()1' ()*+!)+(*!#* /!)+2)C)25' &&C\$, !' %\$!=\$3(\$2!. 4!(\$#!\$E-\$%)\$+3\$!*=!, (\$--)+1!*+!%2)+1! 5-!'+2!, (\$--)+1!*=!'\$1)*+!&\$, 3' & (*%!H*3)' &O*.)&(4!), !' !24+' O)3!3*+3\$-(@' +2!, -' ()' &2)=\$%\$+3\$, !)+!&=\$!3#'+3\$, !\$B5)%\$, !'+!)+A2\$-(#!5+2\$%, (' +2)+1!)=!(\$!, \$!2)=\$%\$+3\$, !' %\$!(*!. \$. %%253\$2>P+(\$%+!&O)1%' ()*+!*==\$%, !*+\$!\$E-&' +' ()*+!'+2!*+\$!\$O\$24&. 5(!)(\$!B5)%\$, !O*%\$!)+C\$, ()1' ()*+!. \$=*%\$!(\$#!\$%&' ()*+, #)-!), !-5&4!5+2\$%, (*' 2>

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X&\$D, 4+, D' @S!'+2!"%)(` #@X>8; L9[<!nQ335-' ()*+f\$253' ()*+!O), O' (3#!*=!)OO)1%' +(!/ *%D\$, !)+!I 5%*- \$?!O*+(\$E(!' +2!-*@3)\$, n@G' -%-#)', &-8&G4''' \$*)-%&C07)OHI![\@-->; :A; ee>

X&\$E' +2%5@S>8; L9; <!nH(*%)\$, !*=!5- /' %2!, *3)' &O*.)&(4!' +2!O)1%' ()*+!)+!*+\$!F*O' +' + 3*OO5+\$?!O+!(\$#!\$O\$%1\$+3\$!*=!u%5%. ' +v!, -' 3\$, !)+!O)1%' +(A, \$+2)+1!3*OO5+)()\$, n@G\$, *06%&J- "6%\$-&8&G"6- (0\$%&?*' 4)0, !! [8; <@-->9e9A9\L]>

X&\$+@^>8; L9L<!nF\$3\$, ,)*+!'+2!F\$3*C\$%4n@)+!S\$&* /, A6' 3\$@X>8\$2>!KO/&, , "0, &&-6&! O&MOH&N\$6)\$#0%*& O: OP&Q- ", O&-8&9- #%-%, &3). 6\$6/&CO, O\$6' !>G*+2*+?!N*5, \$!*=!0*OO*+, ! G). %' %4@-->; MA; :>

X+2\$%, *+@b!'+2!b@)+2\$%@H>8; L9] <!R6)08)%1P&S! -&9- "%*, &\$, &\$&T)16\$%*, U&V08%)*)-%, &\$%4&*! 0)6&9-%, OW"0%' 0, @QE=*%2?!"#\$!S)1%' ()*+!O. , \$%C' (*%4!' (!(#\$!V+)C\$%,)(4!*=!QE=*%2!]

X, #(*+@a!R>@S' 15)%\$@S!_!'+2!H-)&, . 5%4@S>89: MM<InG*3' &G' . *5%@S' %D\$(, !'+2!(#\$)% PO-' 3(!*+!(\$#!G)=\$!O#'+3\$, !*=!d*5(#, n@)+!O*&\$, @F>8\$2>!X- "%1&9\$6006, P&B! O&?O\$6' !&&-6&J-. , &\$%4&*! O&MOH&Y- '\$*)-%\$+), #>S)&(*+!Z\$4+\$, ?!Q-\$+!V+)C\$%,)(4!W%\$, , @-->] [A\]>

b\$' C\$%, (*3D@_>C>8; LL] <!n%" +, +' ()*+' &(\$(\$, !)+!(\$!3)(4?!b%)(), #!#)1#&4A, D)&&2!)+(%%A3*O-' +4! (%' +, =\$\$%, !)+!R\$/!d*&D!3)(4n, !='+ +3)' &2), (%3(n@J- "6%\$-&8&G*! %)' &\$%4&T)16\$*)-%&?*' 4)0, !! [98; <@-->; e]A; \M]>

bPH!8; L9\<!Z6\$4"\$*0&3\$. - "6&T\$6[0*&?*\$*), *'), P& O: >@G*+2*+?!a\$-' %(O\$+(!=*%b5,)+\$, , @P++*C' ()*+!'+2!HD)&, >

b*&(*+@W>8; L9; <!nI 253' ()*+?N), (*%3' &, (' (), ()3, n@9- #%-%, &R6)08)%1&N\$(06, !!HRYH^Ye;] ; >

O' O- . \$&@H>@O**-\$%@_>' +2!H)OO*+, @_>8; L9e<G# (+-/ #0%*&\$%4&-' '' (\$*)-%\$&, []+&070+, & \$#%-%1&EK&\$%4&&-60)1%&%\$*)-%\$+, @G*+2*+?!N*O\$!Q=)3\$]>

O' O- *, @0>@a\$+(@X@6%4@F!'+2!F\$)2@X>8; L99<InP O-' 3(!*=!(\$#!%\$3\$, ,)*+n@C01)-%\$&B60%4, & J"+/& O: : &G4)*)-%&@M?]!!e[>

!

0#' O-) * +@>8; L9; <!n\$, ()+1!(#\$!%\$(5%+!O)1%' ()* +!\$&\$O\$ +(!* =!(#\$!j!\$, 3' & (*%!%\$1)* +!O*2\$&!
' +!' + ' &4,) !* =!O)1%' ()* +!) +(*!'+2!*5(!* =!, *5(#A\$' , (!I +1&' +2@9: \\\f; LL9n9\$#. 6)410&
J- "6%\$#&-8&C01)-%, I&G' -%-#/&\$%4&?-')0*/!I]8; <@--!;]]A; KL>

0#' O-) * +@>0**O. \$, @S!'+2!^*%2* +@P>8; L9e<!nN* /!6' %2*!! +1&' +2n, !H\$3* +2AQ%2\$%0)()\$, !
!O5& (\$!G* +2* +' , !N5O' +AO' -)(' &j! , 3' & (*%, 7h@N- ("+\$*) -%l&?(\$' 0&\$%4&N+\$' 0!!; L8]<@
-->e; 9Ae[[!]

0#' O-) * +@>!' +2!H#5((& / *% (#@P>8; L9\<!nX%\$!W\$* -&\$!O#' +1)+1!X22%\$,, !G\$,, h!X+!X+' &4,) !* =!
S)1%' ()* +!/) (#)+!I +1&' +2!J ' &\$, @9: K9f; L99@. 4!a), (' +3\$!* =!S * C\$@N- ("+\$*) -%l&
?(\$' 0&\$%4&N+\$' 0!!8-5. 8, #\$2!* +&)+\$!. \$=*&%\$!)(,!)+3&5,) * +!) +!' +!), , 5\$@2*)?!

9L>9LL; Y-, ->; L; \>

0* +%' 2, * +@a!'+2!G' (#' O@X>8; LL]<!nI , 3' & (*%!G* +2* +h!X!O' , \$!H(524!*=!R\$/!k\$' &'+2!
"\$%()' %4!! 253' (\$2!S)1%' +(,!)+!' !^&*. ' &0)(4n@J- "6%\$#&-8&9-%*0#(-6\$6/&G"6-(0\$%&
?*!"4)0, !!9[8; <@--!9]: A9K; >

a\$C)+\$@6>b%)((* +@R!_>@S\$@*%@F!'+2!N' &-\$++4@W>8; LL[<!nS *.)&(4!'+2!(\$!S)22&\$!
0& , , \$, ?!X!O' , \$!H(524!*=!S' +3#\$, (\$%!' +2!(\$#!R *% (#!J \$, (@L%*06%\$*) -%\$@J- "6%\$#&-8&
E6. \$%&\$%4&C01)-%\$@C0, 0\$6' !!; K8[<@--!e:]A]L: >

a)E* +@H>8; LL[<!nS)1%' ()* +!/) (#)+!b%(')+!=*&%!i*. !\$' , *+, n@3\$. - "6&T\$6[0*&B60%4, !!9998e<@-->
9: 9A; L9!

6)\$&2)+1@>89: :]<!nS)1%' ()* +!' +2!O)22&A3& , , !=*&%O' ()* +!) +!I +1&' +2!J ' &\$, @9: M9A: 9n@)+!
F\$1)* +n@C01)-%\$@?*!"4)0, !!; \89<@--!9A9]>

6)\$&2)+1@>89: :]<!nS)1%' ()* +!' +2!O)22&A3& , , !=*&%O' ()* +!) +!I +1&' +2!J ' &\$, @9: M9A: 9n@)+!
b5(\$\$@>@U!H' C' 1\$@S@8\$2, >!?-')\$@9! \$%10&\$%4&*! 0&T)44+0&9+\$, , 0, !G* +2* +?!VOG!
W%\$,, @--!9\!: !A9MK!

6)\$&2)+1@>8; LLK<!nS)1%' ()* +!' +2!, *3)' &O* .)&(4!)+!5%. ' +!, 4, (\$O, ?!+' ()* +' &'+2!)+(\$%+' ()* +' &
(\$%+2, n@)+!^\$4\$%@N>8\$2>!L%*06%\$*) -%\$@Q\$%4. -- [&-8&E6. \$%&N-+)'/&Y-+"#0&: P&
9-%*0%*)- ", &Z+- . \$@&, "0, >0#\$&(\$+ #' O?!!2/' %2!!&1' %!

e; !

!

!

6)+2&' 4@X@N*5,(*+@a@S30*@@5O@a@S', *+@0!'+2!N'%), *+@F>8; LLM<!n^\$(()+1!*!=!(#\$/
\$,3' & (*%h!X!, (524!*!=!H3*(,!*5(AO)1%' ()*+!=%*O!' !1&*. ' &3)(4!%\$1)*+@G%7)6-%#0%*@@%4&
N+\$%%)%1&^!eL8: <@-->; 9\.: A; 9M]!

6)+2&' 4@X@S', *+@0@N*5,(*+@a@S30*@@5O@a!'+2!N'%), *+@F>8; LL:<!n\ ,3' & (*%,@
I&\$C' (*%,!' +2!"%' C\$&' (*%,?! "#\$!Q335-' ()*+' &S*.)&(4!*!=S)1%' +,(,!(*!H*5(#AI' ,(!
I+1&' +2@J- "6%\$@-8&G*! %)'&%4&T)16\$*)-%&?*' 4)0,!![]8\<@-->M\9AMK: >
^*&2(#*%- \$@_>8; L9[<!nV+2\$, (' +2)+1!A!'+2!S), 5+2\$, (' +2)+1!A!H*3)' &S*.)&(4!)+!b%(')+?!"#\$!
I+(%4!*!=!(#\$/! 3*+*O), (@(#\$!0*+=5,)*)+!*=!W*&()3)' +,!'+2!(#\$!G)O)(,!*=! 253' ()*+' &
W*&34@J- "6%\$@-8&?-')\$@N->' /!e; 8[<@-->e[9Ae]L]

^*%2*+@P>F>8; L9]<!nXO.)()*+@N5O' +!O' -)(' &X3B5,),)()*+!'+2!(#\$!S\$(%*-*&(' +!I ,3' & (*%@
C01)-%\$@?*' 4)0,!!e; 8\<@-->9Le; A9L]]!

^%' +' (*@R>8; L9e<!^&S-6[&%@N6-160,,P@N6-, (O'*,&&-6&E(H\$64&T-.))*/&#-%1&MOH&
L#/#)16\$%*,&%@Z06#\$%/_!J' ,#)+1(*+!a@0?!S)1%' ()*+!W*&34!P+, ()(5(\$@P+(\$%+' ()*+' &
G'. *5%Q%1' +)` ' ()*+>

NS!^*C\$%+O\$+(!8; L9L<!B! 0&9-\$+)*)-%P&- "6&(6-16\$##0&8-6&1-706%#0%*!G*+2*+?O' .)+\$(!
Q=)3\$!

NS!^*C\$%+O\$+(!8; L99<@((0%)%1&V--6, I&R60\$[%1&R\$66)06, P&^&?*6\$*01/&&-6&?-')\$@T-.))*/_!
G*+2*+?O' .)+\$(!Q=)3\$!

Z' -&'+), @P>8; LLK<!B! 0&Z0-16\$(! /&-8&G#(+/-#0%*&N-+\$6), \$*)-%&%@R6)*\$)%@Q+&+\$!
8// />--%*%1<@P+, ()(5(\$!=*%!W5. &3!W*&34!F\$, '\$%3#>

Z*%)-@S>!' +2!O&%D@J>X!C>8; L9]<!nP+(\$%+' &O)1%' ()*+!'+2!#5O' +!3' -)(' &(#\$*%4?!''*/#'(!
\$E(\$+(!), !(\$&\$3)C\$h@G'-%-#)', &30**06, !!9[<@-->9A[e]

G)+@^&'+2!O#%, (' 2)@^>8; LL\<!n\ E' O)+)+1!1\$*1%' -#)3!' +2!*335-' ()*+' &O*.)&(4?!X!&*18)+\$' %
O*2\$@@+1!' --%* 3#@N\$(06, &%@C01)-%\$@?')0%' O!M]8e<@-->L]A]; ;

!

e[!

!

QRH!8; L9e<!; O: : &90%, ", &^%\$+/,), &D&V), *\$%' 0&B6\$70+04&*-&S -6[&Q+&+\$!8//>*+, >1*C>5D<?

Q=)3\$!=*%&R' ()*+' &H(' (), ()3,>

QRH!8; L9] <!%*06%\$&T)16\$*)-%&G, *)#\$*0, &T0*! -4-+1/&V- " #0%*P&U%"0& O: >&E (4\$*0&Q+&+\$!
8//>*+, >1*C>5D<? Q=)3\$!=*%&R' ()*+' &H(' (), ()3,>

W' - ' 2\$O\$(%)*5&a>&H*O\$%C)&\$&J >' +2!H5O- ()*+&S>I8; LL: <B! 0&?- ')\$&T - .)+*/&-8&
L#/#)16\$%*, &%4&B! 0)6&9!)+460%_!J ' , #)+1(*+!a>0?!"%'+, ' (& +(03!0*5+3)&*+!S)1% ()*+&
S)1%' ()*+!W*&34!P+, ()(5(\$>

W' %\$&' &H>&W\$(%*=&X!'+2!H*&I &O>I8; L9[<!n"#\$!V- /' %2!Q335- ' ()*+' &S*.)&(4!*=&P&O&O)1% +(!
J *O\$+!) +!H- ')+&J- "6%\$&-8&G*! %)' &%4&T)16\$*)-%&?*' 4)0, !![: 8: <&-->I9[\]A9[M; >

F' \$@X>I8; L9[<!nI +1& , #!5%. ' +!- *8)34!'+2!(#\$!%\$ (5%+!(*!(#\$!3)(4?!X!2\$3' 2\$!*=!1%* / (#&; LL9f
; L99&9)*)0, !![: &-->: eA9L9>

F)\$+`*&O!'+2!C' %1' , AH)&C' &O>I8; L9\ <!R6)08)%1&T)16\$%*, &%&*! 0&EKP&^%&@7067)0H&\>*! &
C07),)-%]@QE=*2?!"#\$!S)1%' ()*+!Q. , \$%C' (*%4!' (!(\$#!V+)C\$%,)(4!*=&QE=*2>

F1%' (@W>I8; L9e<!nN)1#&4!B5' &)=\$2!5%* &4*5(#?!/#4!2*!4*5+1!1%' 25' (\$, !%\$ (5%+!(*!(#\$)%#*O\$!
%\$1)*+h&9!)+460%&Z0-16\$ (!)0, !!9; 89<&-->KLMAM\>

H' 1\$@_>&C' +2%*5&S>I'+2!6' &D)+1#&O@_>I8; L9[<!nQ+ /' %2, !*%&N*O\$/ ' %2, h!0*O-&\$E!
^%' 25' (\$!S)1%' ()*+!W' (#/' 4, &J \$&A. \$)+1&'+2!(#\$!jW' %\$+(' &H' =\$(4!R\$(&N- ("+\$*)-%&I&
?(\$' 0&%4&N+\$' 0!!9: 8\<&-->K[MAK]]>

H)Om+&N>&F' O*, &F>I'+2!H' +%*Ow&I>I8; L9e<!P&O&O)1%' +(!Q335- ' ()*+' &S*.)&(4?G*+1)(52)+' &
|C)2\$+3\$!=%*O!H- ')+&G"6- (0\$%&J- "6%\$&-8&N- ("+\$*)-%!![L8: <&-->: ; [A;]]>

H0)(#&a>W!'+2!H' 1\$@_>I8; L9e<!n"#\$!%\$1)*+' &O)1%' ()*+!*=!4*5+1!' 25&(!)+!I+1&'+2!J ' &\$, !
8; LL; f; LLM<!! j3*+C\$4*%A. \$&(!*=!-* -5&' ()*+!%\$2), (%). 5()*+h&9!)+460%&Z0-16\$ (!)0, !!
9; 89<&-->I9L; A99K>

C' %1' , AH)&C' &O>I8; L9] <!R6)08)%1&T)16\$%*, &%4&Q- " ,)%1&%&*! 0&EKP&G` (06)0%' 0, &%4&#(\$'* , &
\<64&C07),)-%]@QE=*2?!"#\$!S)1%' ()*+!Q. , \$%C' (*%4!' (!(\$#!V+)C\$%,)(4!*=&QE=*2>

e]>

!

!

C\$%)3D@H!'+2!P,&' O@P>I8; L9L<!n"#\$!^%\$' (!F\$3\$, ,)*+!*!=; LLMA; LL: ?!O' 5,\$,@O*+, \$B5\$+3\$,!' +2!

W*8)34!F\$, -*+, \$, @G# (+-/ #0%* &?0'*-6&G# (+-/ #0%* &S-6[)%1&N\$ (06&L3@]!!R*>\9>

c)2' &O*, *@I!'+2!S)%\$(A^' O5+2)@W>I8; L9e<!n"#\$!&' . *5%(%' i\$3(*%\$, !*=!)OO)1%' +(!/ *O\$+!) +!
H-')+?!X%\$!(#\$%\$!,)1+, !*=!5- /' %2!, *3)' &O*.)&(4h@V0#-16\$(!)' &C0, 0\$6' ! !! [989[<@-->
[[KA[K:>

J #)(\$@W>I8; LL[<!nR*(!j5, (!%51. 4!3&5. , ?!H3*(((), #A!' +2!/\$&, #A!. *%+!O)1%' +(, !)+!G*+2*+@
?' -**), ! &Z0-16\$(!)' \$+&J- "6%\$+!99: 8[<@-->; L: A; ; K>

)

e\!

!