
+(%)&%G&()+, (#\$,),)D\$&#)*%8&)+(8#\$9D'+J*"#*J)+G+)D#+(#\$%&I)&&(#8+% "1# : \$('* , 6*!9'(%%)%*+!, *!
*O%#- I' #&%,)!J%*K# 'L!8# '!*O%!9' #M#/#)!#8!<%, 4*O. -)0,)6/)@!907(/6, 4! : 6*/; /*7! =< - 9 : !
- I' #&%>! :)) I, 4! ? #)8%'%)6%A!NI\$4/)B!3' %4,)+B! : I@I(*B!E2EFA!

!

4%*+83#Y1L13# , . .3#=#R : +3# _ 1#@ [[] A1#P (&%8D#PH\$& (-+): %&#* (-#> , , -#R)*&' #7 : %+ (8#Y / , #
> , -&' #, 0#*#L+%): *"#S&*"+)D#V+)(&' '# ; *K&1#9' %(%%)%*+!, (!, !9#(%!'!9' %(%%) * , */#)!, *!O%!E2EFA!
: ?5O! :)) I, 4! O%*%*/)@B! "O%!<7)%(! ? #); %) */#)! ? %)*' B!P#(*#)B!O : B!O , 7!EG.H1B!E2EFA!

N, ""K*(3#N13R: +3# _ 13#`9*(83#N13#=# , . .#@ [\ [] A1#M*%)#aU#! #: '* .'+)D#'): -D#, 0#*#\$9D'+J*"#
J)+G+)D#K, .+'	&")9*#\$"+J*+), (#\$,),)D\$&#+(0, %K&-#.D#)9&#K: ")IS%, J&' '#*J)+, (#J, ()%, "#
0%*K&/ , %O1#9' %(%%)%*+!, (!, !9#(%!'!9' %(%%) * , */#)!, *!O%!E2EFA!3)%'), */#), 4!P%O, ;/#I' , 4!
"'/, 4!(J%*K# 'L! ? #)8%'%)6%B! O#)*' %, 4A!QI%\$%6B!O , 7!1R.1GB!E2EFA!

N, ""K*(3#N13R`9*(83#N13R: +3# _ 13#=# , . .#@ [\ [] A1#M*%)# [U#! #: '* .'+)D#'): -D#, 0#*#\$9D'+J*"#
J)+G+)D#K, .+'	&")9*#\$"+J*+), (#\$,),)D\$&#+(0, %K&-#.D#)9&#K: ")IS%, J&' '#*J)+, (#J, ()%, "#
0%*K&/ , %O1#9' %(%%)%*+!, (!, !9#(%!'!9' %(%%) * , */#)!, *!O%!E2EFA!3)%'), */#), 4!P%O, ;/#I' , 4!
"'/, 4!(J%*K# 'L! ? #)8%'%)6%B! O#)*' %, 4A!QI%\$%6B!O , 7!1R.1GB!E2EFA!

, . .#@ [\ [] A1#2%+-8+(8#)9&#\$9D'+J*"#*J)+G+)D#()&()+, (I. &9*G+, %8*\$1#3); %*+!K%\$/), '!
&' %(%%) * , */#)!8# '!*O! : M%'/6,)! ? #44%@%#8!5&#*(!O%+/6)%S(! : '#I)+!*O%!C%4+!5%' %/B!
5%&%M\$%'!1TB!E2EFA!

, . . @ [\ [] A1#N, / #), # K&(), %8%* - : *)&# '): -&() '* * (-# . : + -# *# ' : JJ&' '0: "# * . , %*), %D#
J: " : %&1#3); %*+! &' %(%%) * , */#)! , *! *O%! N%&, '*M%)*! #8! - , '47! ? O/4+O##+! - +I6, */#)B! "O%!
- +I6, */#)!U)/; %' (/7!#8!<#)@!V#)@B!<#)@!V#)@B! ? O/), B!O , 7!RB!E2EFA!

, . . @ [\ [] A1 Y9&#M9D'+J*"# ! J)+G+)D#b()&()+, (I2&9*G+, %# ; *\$U#! # > : ")IM%, J&' '# ! J)+, (#
4, ()%, "#> IM! 4A#! \$\$\$, *J9!#3); %*+!&' %(%%) * , */#)! , *!560##4!#8! : &&4%+!9(760#4#@7B!W'/88/*O!
U)/; %' (/7B!P'/(\$,)%B!QXNB! : I(*' , 4/, B!C%\$' I, '7!E1B!E2EFA!

!

, . .#@ [\ [] A1#M: ."+'9+(8#*(-# 'J+&()++J# / %)+ (8!3); %*+!&' %(%%) * , */#)! , *!560##4!#8! : &&4%+!
9(760#4#@7B!W'/88/*O!U)/; %' (/7B!P'/(\$,)%B!QXNB! : I(*' , 4/, B!C%\$' I, '7!EGB!E2EFA!

, . .#@ [\ [] A1#^ (-&%')* (-+(8#\$9D'+J*"#*J)+G+)D#K*+()& (* (J&U#4 : %&&()#&G+-&(J&#* (-#0): %&#
-+%&J)+, ('1#3); %*+!L%7)##%&!&' %(%%) * , */#)! , *!O%! : (/ , 9, 6/8/6!5#6/%*7!8# '!907(/6, 4! : 6*/; /*7B!
- , '47! ? , '%%' (S!Y%(% , '60!50#K6, (%B!ZI) %!12B!E2EFA!

, . .#=#2&* : J9* K\$3#> !S!#@ [\ [] A1#7 &G& , \$K&()# , 0#)9&#R, J+*"#7+K&(' +, ('# , 0#N&*")9#
2&9*G+, %V%*K&/ , %O1#9' %(%%)%*+!, *!O%! - I' #&%,)!<%, 4*O!9(760#4#@7!5#6/%*7! :)) I, 4!
O%*%*/)@B!5%&%M\$%'!H!*#!RB!E2EFA! ? , (6, /(B!9# '*I@ , 4A!

Y* . *JcD('O+3#! 13#R* .+'), (3#413#! % . , : %IT+J+), \$, : , '3#<13# , . .3#=#Y+(93#Q1#@ [[] A1#
V&*'+. '+)D#, 0#*#M&&%#Y%*+ (+ (8#M%, 8%*K#), #7 &'+G&%#*#M9D'+J*"# ! J)+G+)D#2&9*G+, %49* (8&#
b()&%G&()+, (#), #b(*J)+G * (J&#R: %G+G, %'1#9' %(%%)%*+!, (!, !9#(%!'!9' %(%%) * , */#)!, *!O%!

J, -&E#*\$-\$-&G&" , \$K&()#"\$*0, %K1#9'(%%)%+!, *!%O!FF'!:)) I, 4!O%%%)@! \ 156/%)*/8/6!
5%((/#)(!#8!*O%!5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!90#%)/_B! : aB! : & '/4B!E2EHA!
!!

Q+ : 3#R13# _ + "K' 3# ! 13# = # , . .#@ [\ [dA1# > , .+ "&#N&*")9# ! \$\$# 7 &G&" , \$K&()# ^ '+ (8##BT, I
J, -&E# ! \$\$# 2 : +' -&%A! 9'(%%)%+!, (!, !& '%6#)8%'%)6%K# 'L(O#&! , *!%O!35PJ9 : !E2EH! :)) I, 4!
O%%%)@B!U&&(, 4, B!5K%+%)B!ZI)% !1FB!E2EHI

!

, . .3#2"* (J9%-3#41 > 13#N*%)', (3#<1S13#RDK, ('#7, / ('3#713#_ *% . : %), (3#71P1S13#=#
2&* : J9*K\$3# > 1S1#@ [\ [dA1# ! 00&J)+G&#S&' \$, ('&#), #PH&%J+'&#*(-# ! 00&J)+G&#? : -8K&()'#* '#
M%&-+J), % '#, 0#M9D'+J*"# ! J)+G+)D#b()&()+, (#*(-#2&9*G+, %#+(#T& / # > ,)9&% '1#9'(%%)%+!, *!
O!FF'!:)) I, 4!O%%%)@! \ 156/%)/8/6!5%((/#)(!#8!*O%!5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!
90#%)/_B! : aB! : & '/4B!E2EHA!

!

, . . =#Q : 'cJcD('O*3# ! 1#@ [\ [dA1# ! ""# / &#O(, / #* . , :)#9D'+J*"#J)+G+)D#*(-#)9&#', J+*"#
&(G+% , (K&()U# ! '#D')&K#K*\$\$(8##\$\$, *J9!57)% '@7! b # 'L(O#&! 9'(%%) * , #/)#! :)) I, 4!
O%%%)@!#8!*O! - I'##&,)!<%, 4*O!9(760#4#@7!5#6/%*7B!P '%M,)B!W%'M,)7B!5%&%M\$%'!H.FB!
E2EHA!

!

, . . @ [\ [dA1 N, / #), #K&(), %8%*- : *)&#') : -&()'#*(-# . : +'-##' : JJ&' '0 : "#* . , %*) , %D#J : ") : %&1#
3); /%+!K# 'L(O#&B!560###4!#8! : &&4%+! 9(760#4#@7B!W' /88/*O!U) ; %'(/*7B!P' / (\$,)%B!QXNB!
: I(*', 4/, B!N%6%M\$%'!1FB!E2EHA!

!

, . .#@ [\ [dA1#M%, K,)+(8#\$9D'+J*"#J)+G+)D#0, %9&*")9D##8+(8U#! (#, G&%G+& / #, 0#&'&*J9#
0%, K# ^ L+J6' #2&9*G+, : %*"# > &-+J+(&Q* . , %*) , %D1#''#!\$%&'%(%%)%+!, *!%O!9, 6/8/6!<%, 4*O!
Y%(% , '60! \ ! -+I6, */#)!)3)(*I*%B!<#)#4I4B!<, K, /B!O, 7![B!E2EHA!

!

, . .#@ [\ [dA1! _ 9D#J*(6)# / �, "" , / I)9%, : 89#, (#\$, '+)+G&#\$9D'+J*"#J)+G+)D#+()&()+, ('Z!'O!
N#'#*07!<, ' / (!O%M#'/, 4!X%6*I'%B!9%)) (74; ,)/, !5*, %!U) ; %'(/*7B!5*, %! ? #44%@%B!
9%)) (74; ,)/, B!U5 : B! : & '/4!1HB!E2EHA!

, . .#@ [\ [dA1#Y+\$' #0, %#')+JO+(8#), %8 : "%#\$9D'+J*"#J)+G+)D#- : %+(8#)9&#)%*('+'), (#), #
: (+G&')+D#') : -&()#" +0&1#9'(%%)%+!, *!%O!U^/6!C, 6I4*7!5&#*4/@O*!5%'/%B!O, '60!EB!E2EHA!

, . .3#R : +3# _ 13#T : ' '3#<13#=#Q+ : 3#R1#@ [\ [dA1#S&0"&J)+ (8# , (#M9D'+J*"# ! J)+G+)D#*J% , ' '#) / , #
D&*% '#, 0#)9 5 Lb 7 Ia f#M* (-&K+JU#M%&-+J), % '#, 0#b()&()+, (I2&9*G+, %M%, 0+' '1#9'(%%)%+!, *!
O!FF'!:)) I, 4!O%%%)@! \ 156/%)/8/6!5%((/#)(!#8!*O%!5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!
90#%)/_B! : aB! : & '/4B!E2EHA#

!

R : +3# _ 13#N, ""K*(3#N13# > *8&"3#P1#=# , . .#@ [\ [dA1# b(J%&*'+(8#\$9D'+J*"#J)+G+)D#*K, (8#
* - : ")'#*00&J)&-# . D#4 5 Lb 7 Ia f#%&')+J), ('U# ! #0&*'+ . +)D#)%+*"#, 0#*(# , ('+(&#()&%G&()+, (1#
9'(%%)%+!, *!%O!FF'!:)) I, 4!O%%%)@! \ 156/%)*/8/6!5%((/#)(!#8!*O%!5#6/%*7!#8!P%O, ;/#', 4!
O%+/6/)%B!90#%)/_B! : aB! : & '/4B!E2EHA!

!

R : +3# _ 13#T : ' '3#<13#Q+ : 3#R13#=# , . .#@ [\ [dA1#49*(8&'#*(-#J, %%&"*)&' #, 0#K, -&' #, 0#\$9D'+J*"#
*J)+G+)D#*J%, ' '#) / , #D&*% '#, 0#)9 5 Lb 7 Ia f#\$* (-&K+J1#9'(%%)%+!, *!%O!I]J*O!3)%%' , */#), 4!
?#)@%((!#8!P%O, ;/#', 4!O%+/6/)%B!^ ,)6#I ; %'B!P? ! = : I@I(*!E[B!E2EH>A!

J# '*O! : M% '/6,)!5#6/%*7!8# '!*0%!9(760#4#@7!#8!5&# '*!,)+!907(/6, 4! : 6*/; /*7!=J : 5959 : >!
?#)8%'%)6%!(#)!O, 7!ER.EGB!E2EEB! b , /L#4#, !P%, 60B! <3A#

#

Q*\$: '(+*03#R13#Q+: 3#R13#=# , . .#@[\ \ [[

_ + ""K '3# ! 13# , . .3#=#Q+:3#R1#@Y, #. &#%&'&()&-A1#Y9&#-&G&",\$K&(),0#*#9D\$&)&('+, (#
\$%&G&()+, (#\$, 8%*K#: '(8#M*)9G&%'&U# ! #i (, IJ, -&i#K, .+'&#*\$\$. :+'-#9'(%)*%+!, (!, !
?#)8%'%)6%!9'(%)*, %/#!, *!0%13)*%'), %/#!, 4!5#6/%*7!#8!P%0, ;/#', 4!JI*'/#)#!,)+!
907(/6, 4! : 6%*/; *7!=35PJ9 : >!E!#!M%*/)@!#)!)!O, 7!1G.E1B!E2EEB!90#%)/_B! : aA#!

0

2, 9*&(3#Q1413# , . ., # _ + ""+*K '3# 71 > 13#PK&%' , (3#?13#<&((&-D3# ! 13#=#N: . . *% - 3#?1#@ [\ [aA1#
Q+(O'#.&) / && (#.&9*G+, %J9*(8&#)&J9(+F:&'*(-#K&J9*(+'K'#, 0#*J)+, (#+(#*#D')&K*)+J#
%&G+& / #, 0#9D'+J*"#*J)+G+D#+()&%G&()+, ('1#9'(%)*%+!, (!, !Y%(%, '60!5/@0#!, *!0%15#6/%*7!
#8!P%0, ;/#', 4!O%+/6/)%! :)) I, 4!O%*/)@!#)!)! : &'4!1E.1RB!E2E1B!;/ '*I, 4!6#)8%'%)6%A!

N*88&%3# > 1R13#N&J0"&%3#P13#RJ9, "c3# ^ 13# 5 8 - &(3#?1P13#T+883#413# , . .3#=#2*('J: K3#M1#
@ [\ [aA1#Y9&#\$% , "+0&%*+), (#, 0#-+00&%&()9&*")9#.&9*G+, %9#)9&, %+&'#+(#9�+&' -# , 0#.&9*G+, %*"#
K&-+J+(#&'#9, "-+(8#.*JO#%&'&*%J9#=#\$*J)+J!1#9'(%)*%+!, (!, !N%\$, %%, *!0%15#6/%*7!#8!
P%0, ;/#', 4!O%+/6/)%! :)) I, 4!O%*/)@!#)!)! : &'4!1E.1RB!E2E1B!;/ '*I, 4!6#)8%'%)6%A!

N, ""K*(3#N13#^\$-&8%*003#?1 ! 13#Q+\$0: '3#b1 > 13#=# , . . @ [\ [aA1# ! # 'D')&K*)+J#%&G+& / #, 0#
'*O&9, "-&%#* (-&#(-I: '%&#%&J&\$)+, ('# , 0#9D'+J*"#*J)+G+D#8: +-&"+(&'1#9'(%)*%+!, *!0%1G'!"!
3)*%'), %/#!, 4!5#6/%*7!8#!907(/6, 4! : 6%*/; *7!,)+!<%, 4*0!=359 : <>! ?#)@ '%((B!D6*#%\$!'1E.1FB!
E2E1B!;/ '*I, 4!6#)8%'%)6%A!

?&(O+('3#<13#2 : J9*(3#?13# , . .3#=#N*K"), (3#<1#@ [\ [aA1#b(G&')+8*+)(8#R&-&()*%D#500+J&
_ , %O&% '# > , G&K&()+(#L*%+&-# _ , %O\$*#J&'U# ! #h : *"+)+G&#PHS", %*)+, (1#9'(%)*%+!, *!0%!
H[!'! :)) I, 4! ?#)8%'%)6%!#8!0%1 - I'##&,)!<%, 4*0!9(760#4#/@7!5#6/%*7B! : I@I(*!EH.EJ!E2E1B!
;/ '*I, 4!6#)8%'%)6%A#

Q*(&3#413#T*D", %3#M1?13# > , %), (3#<13#M%&-D3# > 13#< : %)c9*""3# > 13#N: ()&%3#R13# , . .3#=#
4*%' , (3#L1#@ [\ [aA1# ! # 'D')&K*)+J#J, () , ""&-#)%+*"#, 0#*#%\$%&()I0, J: '&-#9D'+J*"#*+)&%*JD#
+())&%G&()+, (#0, %&#*#"D#J9"-9, , -1#9'(%)*%+!, *!0%13)*%'), %/#!, 4!5#6/%*7!#8!P%0, ;/#', 4!
JI*'/#)#!,)+!907(/6, 4! : 6%*/; *7!d?0,)@%13)/%, %/;%!#)!ZI)%!G.12B!E2E1B!;/ '*I, 4!
6#)8%'%)6%A!

Q+*, 3#C13#RJ9K+)c3#<13#2 * '&(IP(8F:+')3#<1 > 13#Y+(+*(, G3#R13#=# , . .#@[\ [aA1# ! #&#J*(J&#I
'\$&J+0+J#.&9*G+, %*"#+())&%G&()+, ('#(&&-&-Z#<&D#J, ('+&-&%*+), ('#0, %#+())&%G&()+, (#-&'#+8('#0, %#
J*(J&#% : %G+G, %'1#9'(%)*%+!, (!, !N%\$, %%, *!0%15#6/%*7!#8!P%0, ;/#', 4!O%+/6/)%! :)) I, 4!
O%*/)@!#)!)! : &'4!1E.1RB!E2E1B!;/ '*I, 4!6#)8%'%)6%A!

S& . *%3# ! 13#Q*""D3#M13#L&%\$*(O&(3#213#7+&0&(. *J9&%3#R13#< / *' (+JO*3#713# , . .3#Q*(c+(+3#
M13#<, :), :O+--+3#713#L&(&K*3# ! 1 ; 13#=# ; *% - (&%3#21#@Y, #. &#%&'&()&-A1#49*(8&'#+(#9D8+&(&
9* . +)'#- : %+(8#)9-Lb7Iaf#\$* (-&K+JU# ! (#+())&%*+), (*"3#%&\$%&)-#K&*': %&'#') : -D1#
9'(%)*%+!, *!0%1H[!'! :)) I, 4! ?#)8%'%)6%!#8!0%1 - I'##&,)!<%, 4*0!9(760#4#/@7!5#6/%*7B!
: I@I(*!EH.EJ!E2E1B!;/ '*I, 4!6#)8%'%)6%A!

, . .#@[\ [aA1# ! ""#+(#9�*K+"DU# _ 9*)# / , %O'#@*(-# / 9*)#- , &'(6)A# / 9&(#\$, K,)+(8#
\$%&()*"#': \$\$, %)#, 0#J9+ - #9D'+J*"#*J)+G+D1#9'(%)*%+!, (!, !L%7)##%!, *!0%1G'!"13)*%'), %/#!, 4!

5#6/%*7!8#!907(/6,4!:6*/;/7!,)+!<%,4*0!=359:<>!?#)@'%(B!D6*#\$%'!1E.1FB!E2E1B!;/!*I,4!
6#)8%'%)6%A!

, . .#@[\ [aA1#V*K+"D#-&G&", \$K&()#*(-#\$9D'+J*"#*J)+G+)D1#3);/%+!&'%(%)*,*/#)!,*!0%!
9,*OK,7(!*#!X/8%4#)@!<%,4*0!?#)8%'%)6%B!3)(*!I*%!#8!X/8%4#)@!<%,4*OB!U)/;%'(/*7!#8!
^/6*#'/,B!J#;%M\$%'!HB!E2E1A#

, . .#@[\ [aA1#N&"\$(8#),#K*O&#)9,'&#T&/#C&*%6'#\$9D'+J*"#*J)+G+)D#%&',":)+,('#+)JO1#
9#+6,(*!K*O!N'A!Z,6L!OI(L,*!8#!O**&(`ccKKKA@O#(*\$I'% ,IA6#Mc!#)Z,)I, '7!JB!E2E11#

#

, . .3#Q+:3#R13#=#Q+)9,\$,:",'3#!1#@[\ [aA1#4 5 Lb7Iaf#*(-#+)#+K\$*J)#,(#9&*")9#.&9*G+,%U#

#

R:+3#_l3#R:+3#!l3#Y'*(83#?l3#=#, . .#@[\ [aA1#PH*K+(+(8#)9&#: '*8&#,0#.&9*G+, :%#J9*(8&#)&J9(+F:&'#*K,(8#\$,\$:"*%#C,:Y:.�+)(&'#G+-&,'l#9'(%)*%+!,!*O%!G!'l3)*%'),*/#),4!5#6/%*7!8#!907(/6,4!:6*/;/7!,)+!<%,4*0!=359:<>! ?#)@'%(B!D6*#\$%'!IE.1FB!E2E1B!;/ '*I,4!6#)8%'%)6%A#

0 0

! - *K'3#2l3#RK+)93#Tl3# ! -+\$.:)%*(),3#7l3T*D",%3#MI?l3# , . .,=#Q+:3#Rl#@ [\ \A1#7 , '&I %&'\$, ('&#&00&J)'#,0#*(#,(+'&#*(-#+(I\$&' , (#0*K+"D#+()&%G&()+, (#, (#9D'+J*"#*J)+G+)D#+(# J9+"-%&(# / 9, #*%&#,G&% / &+89)l#9'(%)*,*/#!

+()&%G&()+, (#)*%8&)+(8#)9&+%#J9+"-%&(1#9'(%)*,*/#)!,*!0%!5#6/%*7!#8!P%0,;/#',4!O%+/6/)%!
:)I,4!O%%%/!)@!#)!: &'4!I.FB!E2E2!/!)5,)!C',)6/(6#B!?,4/8#')/,!=6#)8%'%)6%!6,)6%44%+>A!

Y%+(93#Q13#>J!:"&D3#P13#<%*K&%3#!13# , . .,=#S, /"*(-3#<1#@[\[\A1#^'+(8#)9&#>:)-I
M%,J&'#!J)+,(#4,())%,"#*\$%*,*J9#+(##*\$9D'+J*"#*J)+G+)D#+()&%G&()+, (#0,%#\$%,')*)&#J*(J&%#
' :%G+G,%'U#!#\$+",)3#S4Y1#9'(%)*,*/#)!,*!0%!5#6/%*7!#8!P%0,;/#',4!O%+/6/)%!:)I,4!
O%%%/!)@!#)!: &'4!I.FB!E2E2!/!)5,)!C',)6/(6#B!?,4/8#')/,!=6#)8%'%)6%!6,)6%44%+>A#

0

V%*('&(3#713#N:'.*(-3#413#>:&'&%3#^13# , . .,=#Q+:3#R1#@[\afA1#Y9&#&00&J]'#,0#J&""\$9,(&
- -+J)+,(#,(#/'&'I.&+(8#%&")&-#,:)J,K&'#+(#K+--"&#'J9,,"#):-&()'1#9'(%)%+!,*!0%!
F2*O!:)I,4!O%%%/!)@!,) +!56/%)*8/6!5%((/#)!(#8!0%!5#6/%*7!#8!P%0,;/#',4!O%+/6/)%B!#)!)
O,'60!R.T!b,(0/)*#)B!N?A!

; %*()3#R1#?13#Q+)9,\$,:,"'3#!13#N:'.*(-3#413#_+""*K'3#71#>13# , . .@[\afA1#
7+'&(*)*(8'+(8#\$&%J&+G&-#J*\$*.'+)D#0%,K#K,)+G+),(#:'+(8#G+8(&))&'U#PH*K+(*)+,(#,0# '&""OI
&00+J*JD#K&*':%&'#\$%"+&-#),#\$9D'+J*"#*J)+G+)D1#9'(%)*%+!,(!,)!#',4!&'(%)*,*/#)!,*!0%!
E2IT!,))I,4!6#)8%'%)6%!#8!*O%!-I'##&%,)!<%,4*O!9(760#4#@7!5#6/%*7B!#)!5%&%M\$%'!H.JB!
E2IT!/?#)NI\$'##;)/LB!?'#,%/A!

Q*+3#NIMIN13#>+"&'3#S1>13#2%&-+(3#R1R1713#<*:0K*(3#<1Q13#49:*3#?1#N13#T,%K*(3#>1P13#
. .,#593#M13#=#_ *%.:%),(3#71P1S1#@[\afA1#N&""9I%&""&-#.&(&0+)'#,0#*#J,KK:(+)DI.*'&-#
(-#b(-+8&(,:'I'&-#9&)9D#"0&')D"&#+()&%G&()+, (#,(#%&-:J+(8#'&-&()%*D#.&9*G+, :%'1#
9'(%)*%+!,*!0%!? ,),+/,)!:((#6/,*/#)!#8!?','+/#;,(6I4,'!9'%,%)*#)!,)+!Y%O,\$/4*,*/#)!)
E2IT!/?#)8%'%)6%!D6*#\$%'!E[.E]!/)!O#)*%',4B!?',),+,A#

Q+)9,\$,:,"'3#!13#=# , . 1#@[\afA1#Y9&#&00&J]'#,0#.%*(-+(8#,(#\$9D'+J*"#*J)+G+)D#J,%&%"&)"&'#
*(-#.&9*G+, :%U#!#'D')&K*)+J#%&G+&/1#9,&%!'&'(%)*%+!,*!0%!J#'*O!:M%/6,)!5#6/,4!
O,'L%#)@!/?#)8%'%)6%!D6*#\$%'!I.EB!E2IT!/)!D**,K,B!D)*,'/#A##

> *%F:&'3#b1#;13#M&%-&/3#>1#!13#Q+:3#R13#R)**(8&3#<13#N%)*+JO3#Y13#_&+'K+""&%3#?13# , . .,
2*""3#;13#>1''&3#Q13#T*D",%3#M1#?1#@[\afA1#V,%K*+G&#*' '&'K&()#,0#*#0*K+DI.*'&-3#9&*)9D#
"+G+(8#+()&%G&()+, (#0,%#J9+"-%&(# / +)9#,G&% / &+89)#*(-#,.&')D#*(-#)9&+%#0*K+""&'1#9#(%)!
&'(%)*%+!,*!0%!F2*O!:)I,4!O%%%(')-0.8-823T0.240-0.2(#')-0.2(D')-0.2()0.2(&)0.2(KG0.2(")0.2

, . #

2&((&))3#P13#N:%-#4"*%0&3#Q13#_,"03#R1#!13#7:(,"\$3#_13#N*%-&(3#R13#Q+:3#C13#P')*.%,,O'3#M13#
 , . ,#=#2&*:J9*K\$3#>1#@[\aeA1#5"-&%#*-"')\#&H\$&%&(J&'#,0#8%,\$I.*'&-#
 \$9D'+J*"#*J)+G+)DU#!#F:*"+)*+G&#'): -D#0%,K#)9&#; 5!Q1#%*(-,K+c&-#J,())&-"#
)%+*"1#9'(%%)%+!,*!0%!J#'*O!:M%/6,)!5#6/%*7!8#!'*O!9(760#4#@7!#8!5&#'*!,)+!907(/6,4!
 :6*/;*/7!:))I,4!/?#)8%'%)6%!E21G!#)!ZI)!E2.EH!/)!N%);%B!/?#4#',+#A!

4,((&""3#Q13#_+""+*K'3#S1P13# , . .,=#PK&%',(3#?1#@[\aeA1#!#D')&K*)+J#%&G+&/#*(-#
 K&)*I*(*D'+#_,0#)9&#,:J,K&#&H\$&J)*(JD#J,('):J)#+(\$9D'+J*"#*J)+G+)D#%&'&#*%J91#
 9'(%%)%+!,*!0%!5#6/%*7!#8!P%0,;/#I',4!O%+/6/)%!:)I,4!O%*/)@!E21GB!#)!:&'4!11.1F!
 /)!J%K!D'4%,)(B!X#I(/,),A!

;%()3#R13#?:.*3#>13#h:+"*(3#!13#=# , . .#@[\aeA1#^(-&%')*(-+(8#*J),(#J,())"#,0#
 \$9D'+J*"#*J)+G+)D#*K,(8#K,)9&%#/#+9#D,: (8#J9+"-%&(1#9'(%%)%+!,*!0%!5#6/%*7!#8!
 P%0,;/#I',4!O%+/6/)%!:)I,4!O%*/)@!E21GB!#)!:&'4!11.1F!/)!J%K!D'4%,)(B!X#I(/,),A!

N:'.*(-3#413#=# , . .#@[\aeA1#b(+)*"#G*"+-*)+,(#,0#*#(&/#)9%&&\$9*'#&9*'+)#K&*':%&#+(#)9&#
 \$9D'+J*"#*J)+G+)D#-,K*+(1#9'(%%)%+!,*!0%!5#6/%*7!#8!P%0,;/#I',4!O%+/6/)%!:)I,4!
 O%*/)@!E21GB!#)!:&'4!11.1F!/)!J%K!D'4%,)(B!X#I(/,),A!

N:()&%#R13#S,':#!13#N&'O&)9#<13# . ,#S+(*"-+#413#S,-8&%'#_13#R\$&(J&#?1413#=#4*%' ,(#L1#
 @[\aeA1#

, . . #@ [\ aeA1#b (-+G+- : *"#&G&"#\$% , K ,)+ , (# , 0##&8 : "%#\$9D'+J*"#*J)+G+)D#*K , (8# , " -&##* - :)" 'U#
! (# , G&%G+& / # , 0#J : %&#()#&G+ - & (J&1#9 '(%)%)+! , *!%0%! ?#) (%) (I (! ?#) 8% ' %) 6% ! #) ! 907 (/ 6 , 4!
: 6* / ; / 7! ,) + ! : @% /) @ ! J# ; %M\$% ' ! IT.EE! /) ! < % 4 (/) # ' %B! N%) M , ' LA!

, . . #@ [\ aeA1# ; %* () # / %+) (8#0 , %# ' : JJ&' ' 1# b # ' L(0#&! & ' % () %)+! , *! < #) @ ! V#) @ ! P , & * / (*!
U) / ; % ' (/ 7! 5& % , L% ' ! 5% ' / % (! #) ! 5% & % M\$% ' ! I I B! E 2 I G! /) ! < #) @ ! V#) @ B! ? 0 /) , A#

, . . #@ [\ aeA1#RD') & K*) + J#&G+& / ' #* (- # K&) * I* (* " D' & ' 1# b # ' L(0#&! & ' % () %)+! , *! < #) @ ! V#) @ !
P , & * / (* ! U) / ; % ' (/ 7! 5& % , L% ' ! 5% ' / % (! #) ! 5% & % M\$% ' ! I H B! E 2 I G! /) ! < #) @ ! V#) @ B! ? 0 /) , A#

, . . #@ [\ aeA1#M : . " + ' 9+ (8#* (- # ' J+& () +0+J# / %+) (8!# b # ' L(0#&! & ' % () %)+! , *! < #) @ ! V#) @ !
P , & * / (* ! U) / ; % ' (/ 7! 5& % , L% ' ! 5% ' / % (! #) ! 5% & % M\$% ' ! I G B! E 2 I G! /) ! < #) @ ! V#) @ B! ? 0 /) , A#

, . . #@ [\ aeA1#Y%* (' 0 , % K+ (8#&H&%J+ ' &#+ () & () + , (' #+ () , #9* . +) ' 1# 5% M /) , ' ! & ' % () %)+! , *! < #) @ !
V#) @ ! P , & * / (* ! U) / ; % ' (/ 7! 5& % , L% ' ! 5% ' / % (! #) ! 5% & % M\$% ' ! E J B! E 2 I G! /) ! < #) @ ! V#) @ B! ? 0 /) , A#

, . . #@ [\ aeA1#S&G+& / # , 0#&G+ - & (J�% , K#) 9&#K : ") + I\$% , J&' '#*J) , (#J , () % , "#0%*K& / , %0!#
5% M /) , ' ! & ' % () %)+! , *! < #) @ ! V#) @ ! P , & * / (* ! U) / ; % ' (/ 7! 5& % , L% ' ! 5% ' / % (! #) ! D6*# \$% ' B! F B! E 2 I G!
/) ! < #) @ ! V#) @ B! ? 0 /) , A#

, . . #@ [\ aeA1#M% , K ,) + (8#\$9D'+J*"#*J)+G+)D#*J% , ' ' #) 9&#"+0&' \$* (#* (- #) 9&#% , " &# , 0#0* K+ " D!#
5% M /) , ' ! & ' % () %)+! , *! < #) @ ! V#) @ ! P , & * / (* ! U) / ; % ' (/ 7! 5& % , L% ' ! 5% ' / % (! #) ! D6*# \$% ' ! I R B! E 2 I G!
/) ! < #) @ ! V#) @ B! ? 0 /) , A#

, . . #@ [\ aeA1#2%+ - 8+ (8#) 9&#+ () & () + , (I . & 9*G+ , %8* \$#+ (# \$9D'+J*"#*J)+G+)DU# ! #&G+& / # , 0#
&G+ - & (J�% , K#) 9&#K : ") + I\$% , J&' '#*J) , (#J , () % , "#0%*K& / , %0!# : (! & , ' * ! # 8! * 0!
(7M&# (/ I M B! : & & 4 / 6 , * / #) (! # 8! /) % @ ' , % + ! (# 6 , 4! 6# @) / % ; % ! * 0% # ' / % (! /) ! & ' % + / 6 *) @ ! ,) +!
60 ,) @ /) @ ! 0% , 4* 0! \$% 0 , ; / # ' A! 9 '(%)%)+! , *! * 0% ! 5# 6% * 7! # 8! P% 0 , ; / # ' I , 4! 0% + / 6 /) % ! :)) I , 4!
0% % %) @ ! E 2 I G B! #) ! : & ' / 4! 11. 1 F! /) ! J% K! D' 4% ,) (B! X# I / (/ ,) , A!

, . . #@ [\ aeA1#> &&#) 9&#PH\$&%) ' ! M% & ' & () *) + , (#0 , %#) 9&#R2 > #M9D'+J*"#! J)+G+)D#Rb ; 1#
9 '(%)%)+! , *! * 0% ! 5# 6% * 7! # 8! P% 0 , ; / # ' , 4! 0% + / 6 /) % ! :)) I , 4! 0% % %) @ B! : & ' / 4! 1 E B! E 2 I G B! J% K!
D' 4% ,) (B! X : A!

, . . # ; %* D3#R13#=#N : ' . * (- 3# 4! # @ [\ aeA1#PH\$&%&K& () * "#K* (+ \$: " *) + , (# , 0#* 00&J)+G&#
W : - 8K& () '#* . , :) # \$9D'+J*"#*J)+G+)DU# ! # ' D') & K*) + J#&G+& / #* (- #K&) * I* (* " D'+ # , 0#* - : ") ' 1#
9 '(%)%)+! , *! * 0% ! 3) % ') , * / #) , 4! 5# 6% * 7! # 8! P% 0 , ; / # ' , 4! J I * ' / % / #) ! ,) + ! 907 (/ 6 , 4! : 6* / ; / 7!
:)) I , 4! 0% % %) @ ! E 2 I G B! #) ! Z I) % ! H . R! /) ! < #) @ ! V#) @ A!

, . . # 2 * : J9* K\$3# > 1S13# 2 " * (J9*% - 3# 4! > 13# 2% & - + (3# R! R! 7 13# _ *% . : %) , (3# 7! P! S! 1#=#
> * - - + ' , (3# S! 1# @ [\ aeA1#

@ [\aeA1#PH***K**+(*)+, (#,0#' &-&()*%D#)+**K**&#+(#S*+&()'#/+)9#**J**,%, (*%D#9&*%)#-+'&* '&1##9' %(%)*%+!
,*!*0%!

N: (&%3#S13# , . 13#7, K.%, / 'O+3#R13#=#2: (% '3#S1#@ [\ amA1#> *+)& (* (J&#, 0#. &9*G+, : % # J9* (8&U#Y9&, %+&'3#)%+*"'#* (-#)%+ . : "*"), ('1#9' % (%) % + ! , (!, ! (7M&# (/IM!, !*O% /35PJ9 : !E21J] :)) I, 4! O% % % /) @ ! /) ! ^ / 6*# ' / , B! ? ,) , + , B! ZI) % ! J. 12! " ! E21JA!

< *%G+ (& (3#<13#=# , . .#@ [\ amA1#M9D'+J*"#*J)+G+)D#. &9*G+, : % # * (- # K ,) + G & ' # + (# - , 8#*8+") D# J, K\$&) + , % ' 1#9' % (%) % + ! , !*O% /35PJ9 : !E21J] :)) I, 4! O% % % /) @ ! /) ! ^ / 6*# ' / , B! ? ,) , + , B! ZI) % ! J. 12! " ! E21JA!

Q+)9, \$, : , ' 3# ! 13#2&%%D3#Y1S13#V* : "O (&%3# ; 13#Q&2"* (J3# ! 13#56S&+"D3#T13# , 1 13#R\$& (J&3# ?1413#Y%&K. "*D3#> 1R13#=#Q*)+K&%I49& : (83# ! 1P1#@ [\ amA1#M%&-+J)+ (8#\$9D'+J*"#*J)+G+)D# *)+ : - & ' 3#\$&%J&+G&-#. &9*G+, %*"#J, () % , "3*# (- # + () & () + , ('#0% , K#* '\$&J)'# , 0#)9&# M*%) + J + \$! 4Yb5 T#. %* (- 1#9' % (%) % + ! , !*O% / J : 5959 : !6#)8%'%)6%!/) 5 ,) ! N / % @ # ! ZI) % ! J] " ! . 12! " ! E21JA!!

Q+)9, \$, : , ' 3# ! 13#2&%%D3#Y1#S13#V* : "O (&%3# ; 13#56S&+"D3#T13# , . ., #R\$& (J&3#?1#413# Y%&K. "*D3#> 1#R13#L* (- &% , , 3#Q1#> 13#=#Q*)+K&%I49& : (83# ! 1P1#@ [\ amA1#PH*K+ (+ (8# M*%) + J + \$! 4Yb5 T6'#. %* (- #&F : +) DU# ! #) & ') # , 0#)9&#. %* (- #&F : +) D#\$D%*K+ - 1!9# (% ' ! & ' % (%) % + ! , !*O% ! ? ,) , + / ,) ! 5#6 / % * 7!8# ' ! 9 (760#M#*# ' ! X% , ') /) @ ! ,) + ! 5&# ' * 9 (760#4#@7! ? #) 8%'%)6%B!5*A! Z#0)S(B! J%K8#I) + 4 ,) + A!

, . #

, . 13#=#S&.*%3#!1#@[\amA1#

<*: '9*"3#T13#=# , . #@[\anAl#

> J4, ((&""3#?13#T*D", %3#M1?13#T&))&0, "-3#Q13# > J<*D3#N13# , . ., #=#_ 9*%0IN+88+('3#?A!
@ [\ aoAl/b(G&') +8*)+(8#)9&#', J+*"#* (-#. &9*G+, :%*"#-&)&K+(* () '#, 0# / &+89#)'*): '#+(#*#J, 9, %)#
, 0#4 * (*-+*(#J9+" -%& (#: '+ (8#-+%&J)#* (-#' &'0I%&\$, %) #K&*': %&'1#9' % (%) *%+!#): &'4!EG'!"k!
O, 7!E&%B!E21[!, *!O%!?,), +/,)!D\$%(/*7!J%*K#'LA!

> +')%D3#41#73#=# , . .#@[\ aoAl#M9D'+J*"#*J)+G+)D#* (-#+'#%&"*)+, ('9+\$# / +)9#,)9&%#8, *"'#,%#
. &9*G+, :% 'U#! #'D')&K*)+J#%&G& / 1#9' % (%) * , %/#!M, +%!, *!O%!J# '*O!: M% /6,)!5#6/%*7!8#'
O%!9(760#4#@7!#8!5&# '!,)+!907(/6, 4!: 6*%;/*7!6#)8%'%)6%3#?: (&#]Im3#M, %)"* (-3#5 S1###

> +')%D3#41#713#=# , . .#@[\ aoAl#4, K\$*%+(8#, \$\$, %): (+)D#* (-#\$&%J+G&-#J*\$* . '+)D#*' #
\$&%-+J), % '#, 0# / *'O+(8#* (-#')%&(8)9#)'*+(+ (8#. &9*G+, %'1#9' % (%) * , %/#!M, +%!, *!O%!J# '*O!
: M% /6,)!5#6/%*7!8# '*O%!9(760#4#@7!#8!5&# '*!,)+!907(/6, 4!: 6*%;/*7!6#)8%'%)6%3#?: (&#]Im3#
M, %)"* (-3#5 S1###

> +')%D3#41#71#=# , . 1#@ [\ aoAl# !00&J)+G&#W: -8&K&() '#, 0#&H&%J+'&#K*D#-&\$&(-#, (#
&0"&J)+, ('#, 0#0&&" + (8'#- :%+(8#* (-#*0)%&#&H&%J+'&#* (-#)9&#)D\$&#, 0#*J)+G+)D1#9' % (%) * , %/#!
M, +%!, *!O%!J# '*O!: M% /6,)!5#6/%*7!8# '*O%!9(760#4#@7!#8!5&# '*!,)+!907(/6, 4!: 6*%;/*7!
6#)8%'%)6%3#?: (&#]Im3#M, %)"* (-3#5 S1###

> +')%D3#41#713#R / &&)3#R1#T13#Q*)+K&%I49&: (83#!1#P1#=# , . 1#@ [\ aoAl#4*(#)9&#%&8:"*)%D#
* (-#%&0"&H+G&#\$%, J&' '#, 0#)9&# > :)+IM%, J&' '#!J)+, (#4, ()% , "#@ > IM! 4A#K, -&"#%&-+J)#
&H&%J+'&#*- , \$)+, (#* (-#K*+)& (* (J&Z#9' % (%) * , %/#!M, +%!, *!O%!J# '*O!: M% /6,)!5#6/%*7!
8# '*O%!9(760#4#@7!#8!5&# '*!,)+!907(/6, 4!: 6*%;/*7!6#)8%'%)6%3#?: (&#]Im3#M, %)"* (-3#5 S1###

#5 %%3#<13#Q&2"* (J3#!13#2&%%D3#Y13#7 &'9\$* (-&3#R13#Q*)+K&%I49&: (83#!13#56S&+"D3#T13# ,
. ., #R\$&(J&3#?13#Y%&K. "D3#>13#=#V*:"O(&%3#; 1#@ [\ aoAl#! / *%& (&' '#, 0#4 * (*-+*(#9D'+J*"#
J)+G+)D#8: +-&' + (&'# (-#' &'0I%&\$, %) & -#9D'+J*"#*J)+G+)D#4%, 'I'&J)+, (*"#"#*('D'+1#9' % (%) *%+!
, *! ?5-9!E21[A!

, . 1#@ [\ aoAl#N* .+)#%&'&*%J9#+(#9D'+J*"#*J)+G+)D#* (-#'&-&())*%D#. &9*G+, %A!9' % (%) *%+!, *!
*O%!P%0, ;/#', 4!90%)#*7&/)@!#8!907(/6, 4!: 6*%;/*7!,)+!5%+%)*, '7!P%0, ;/#!'b# 'L(0#&18#'
O%!J, %/#!, 4!3) (!I%!(!#8!<%, 4*O!!N%6%M\$%'!I.EB!! b, (O/)@*#)B!N?A!

, . . @ [\ aoAl#2 : +'-+(8#0%, K#)9&#J*JO' #, 0#, : %0, : (-*)+, (*"#"#*('D'+J*"#*J)+G+)D#)9&, %&+!1#
9' % (%) *%+!, (!*O%!V%7)##%!(&% , L%!', ##*O%!?,), +/,)!5#6/%*7!8# '*9(760#M###!'X%, ')/)@!,)+!
5&# '*9(760#4#@7B!#)!/)!D6*A!IR'!"k!IG'"" - +M#)*#)B!: 4\$%'*, A!

, . . @ [\ aoAl#N* .+)#%&'&*%J9#+(#9D'+J*"#*J)+G+)D1#9' % (%) *%+!, *!O%!O, \$%!(7M&#(/IM!, #
*O%!?,), +/,)!5#6/%*7!8# '*9(760#M###!'X%, ')/)@!,)+!5&# '*9(760#4#@7B!#)!/)!D6*A!IR'!"k!
IG'"" - +M#)*#)B!: 4\$%'*, A#

, . . ,#_ +""*K'3#71#>13#=#>+')%D3#41#71#@[\ aoAl#^'+(8#9, %) #G+8(&)&'#), #-+'&())*(8'&#
\$&%J+G&-#J*\$* . '+)D#0%, K#K,)+G*)+, (U#!#&)'#:'+(8# / *'O+(8#* (-#%&' +')*(J&#)*%+(+ (8#
. &9*G+, %'1#9' % (%) * , %/#!M, +%!, *!O%!J# '*O!: M% /6,)!5#6/%*7!8# '*O%!9(760#4#@7!#8!5&# '*!
,)+!907(/6, 4!: 6*%;/*7!6#)8%'%)6%3#ZI)%!F. jB!9# '*4,)+B!DYA#

, . 13#=#Q+K3#41#@ [\ aoA1#7 ,8# / *"0+(8#+())&%G&()+, (#%&'&*&%J9U# _ 9&%&#),#(, / Z#9 '(%)%*%+!
D)!ZI)%!H\$%!k!R"! , *!*O%!E2I[! :)) I , 4! O%%%/) @!#8!*O%!3) %') , */#) , 4!5#6/%*7!8#'!P%0, ;/#' , 4!

?*%G+'3#?13#2&%%D3#Y13#4*%' , (3#L13# , . 13#=#Q*)+K&%3# !1#[\a]A1#b(G&')+8*+)(8#K&' '*8&#
. &'+&G* .+'+)D#*'##-&)&%K+(*(#),0#\$*%&()'6#+()&()+, ('#),#':\$\$,%)#)9&+%#J9+'-%&(#+(#K&&)+(8#
\$9D'+J*'##*J)+G+)D#*(-#'J%&&(#)+K: +-&'+(&'1#9'(%)%%+!,*!*0%!?,), +/,)!5#6/%*7!8#'
9(760#M##*#!X%, ')/@!,)+!5&# '*!9(760#4#@7B!#)!D6*A!1R"!k!1G"!/)!X#)+#)B!D)*, '/#A!

<*: '9*"3#T13#=# , . 1#[\a]A1# !#-&&\$&%#+(G

? ,) , + / ,) ! 9 (7 6 0 # 4 # @ / 6 , 4 ! : ((# 6 / , * / #) S (!] [! " ! :)) I , 4 ! ? # ; %) * / #) ! #) ! Z I) % ! [! " .] ! " ! /) !
^ ,) 6 # I ; % ' B ! P A ? A !

, . . # @ [\ a] A 1 # Y : % (+ (8 # 8 , , - # \$ 9 D ' + J * " # * J) + G +) D # + () & () + , (' # + () , # * J) + , (' 1 # 9 ' % (%) * % + ! , * ! * O % !
E 2 I F ! ? ,) , + / ,) ! ? ,) 6 % ! 5 # 6 % * 7 ! ^ # 4 I) % % % ! 5 I M M * B ! J ,) , / M # B ! P ? A !

, . . # @ [\ a] A 1 # M 9 D ' + J * " # * J) + G +) D # * - , \$) + , (# * (- # * - 9 & % & (J & # + (#) 9 & # / , % O \$ " * J & 1 # ? ,) , + / ,) !
? #) 8 % ' %) 6 % ! P # , ' + ! :)) I , 4 ! 5 I M M * B ! ? , 4 @ , ' 7 B ! : P B ! ? ,) , + , A !

Y % + (9 3 # Q 1 3 # M " ,) (+ 0 , 0 0 3 # S 1 # 4 1 3 # , . . 1 3 # T , %) 9 3 # R 1 3 # = # 4 , : % (& D * 3 # < 1 # R 1 # @ [\ a] A 1 # P 0 0 & J) ' # , 0 #
' : \$ & % G + ' & - # \$ 9 D ' + J * " # * J) + G +) D # \$ " : ' # . & 9 * G + , % * " # J , : (' & " + (8 # , (# K ,) + G *) + , (* " # , :) J , K & ' # + (#
0 + - (& D # J * (J & # # ' : % G + G , % ' U # ! # \$ + " ,) #) : - D 1 # 9 ' % (%) * % + ! , * ! * O % ! H [* O ! :)) I , 4 ! O % % % /) @ ! \ ! 5 6 %) * 8 / 6 !
5 % ((/ #) (! # 8 ! * O % ! 5 # 6 % * 7 ! # 8 ! P % 0 , ; / # ' , 4 ! O % + / 6 /) % ! #) ! : & ' 4 ! E H \$ % B ! E 2 I F ! /) ! 9 0 / 4 , + % 4 & 0 / , B ! 9 : A !

_ 9 * % 0 # N + 8 8 + (' 3 # ? 1 3 # S 9 , - & ' 3 # S 1 3 # T * D " , % 3 # M 1 ? 1 3 # ; + . . , (' 3 # R 1 3 # S * J & 3 # 7 1 3 # = # > J < * D 3 # N 1 # @ [\ a] A 1 # N , / # # #
) & * J 9 & % # ') % + O & # + (0 " : & (J & - # \$ 9 D ' + J * " # * J) + G +) D # \$ % * J) ± J & ' # , 0 # 9 + 8 9 # ! J 9 , , " # !) : = & () ! 9 ' % (%) * % + ! , * !
* O % ! E 2 I F ! ? N 9 : ? ! ? #) 8 % ' %) 6 % ! /) ! D * * , K , B ! ? ,) , + , A !

0

2 * ' ' &) I ; : () & % 3 # S 1 3 # Q & G D I > + (& 3 # S 3 # T * D " , % 3 # M 1 ? 1 3 # R D K , (' # 7 , / (' 3 # 7 1 3 # 2 & (, +) 3 # 4 1 # _ * % . : %) , (3 #
7 1 P 1 S 1 3 # 2 " * (J 9 * % - 3 # 4 1 > 1 3 # = # , . . @ [\ a d A 1 5 9 # . * . D r # Y 9 & , % D # , 0 # \$ " * ((& - # . & 9 * G + , #
K ,) + G *) + , (# 0 , % 9 & * ") 9 D # & *) + (8 # - : % + (8 # \$ * % & () 9 , , - #) % * (' +) + , (' 1 # 9 ' % (%) * % + ! , * ! * O % ! E 2 I H !
)) I , 4 ! O % % % /) @ ! # 8 ! * O % ! 5 # 6 % * 7 ! # 8 ! P % 0 , ; / # ' , 4 ! O % + / 6 /) % B ! 5 ,) ! C ' ,) 6 / (6 # B ! ? : A ! #

#

2 " * (J 9 * % - 3 # 4 1 > 1 3 # V & % % + & % 3 # R 1 3 # N & % (* (- & c 3 # M 1 3 # 7 & J 9 K * (3 # ; 1 3 # , . . , # R S & (J & 3 # ? 1 4 1 3 # = #
> J ; * ((, (3 # < 1 # @ [\ a d A 1 # b ' #) & K \$ % *) : % & # * ' ' , J + *) & - # / +) 9 # !) & \$ ' s - * D # - : % + (8 # \$: " K , (* D #
& 9 * . +) *) + , (Z # 9 ' % (%) * % + ! , * ! * O % ! E 2 I H ! ? ,) , + / ,) ! 5 # 6 % * 7 ! 8 # ! 9 (7 6 0 # M # # ' ! X % , ') /) @ ! ,) + !
5 & # ' * ! 9 (7 6 0 # 4 # @ 7 B ! #) ! D 6 * A ! I R ! " ! k ! I G ! " ! /) ! V % 4 # K , B ! P ' / * / (O ! ? # 4 I M ! / 2 (/) 0 . 2 (() - 0 . 2 (O ! ? # 4) 0 . 2 (I M) (! 0 0 . 2 4 .

?*%G+'3#213

, . . @ [\ adA1 ! -G*(J+(8#\$9D'+J*"#*J)+G+)D#)9&, %DU#4, (J&\$): *"#*(-#K&)9, - , ", 8+J*"#0:): %&#
-+%&J)+, ('1#9'(%%)%)+!, *!0%!E2IH!"0%#7!WI+/+)@!9', 6*/6%,)+!CI*I'!N/'%6*/#)!/)!
907(/6, 4! : 6*/; /*7! ?#)8%'%)6%B!J%K6, (*4%B! : I(*', 4/, A

, . . @ [\ adA1 4", '(+ (8#)9&#+()&()+, (I. &9*G+, : %8*\$#+(#\$9D'+J*"#*J)+G+)D1#U)/; %'(/*7!#8!
O,)/*#\$, !<% , 4*OB!X%/(I'!%,)+!<IM,)!9%'8#'M,)6%!Y%(%, '60!5%/'%(B!E2IHb /)/&%@B!
O,)/*#\$, A!

!

, . . # @ [\ adA1#b()&%G&()+, ('#), #\$, K,)&#\$9D'+J*"#*J)+G+)D#0, %\$%&G&()+G&#K&-+J+(&U# _ 9*)
/ , %0'##*(-# / 9*)#- , &' (6)1#9'(%%)%)+!, *!m*0%!C4/&!5/+%!E2IHbn!O%+/6, 4!56/%)6%(B!
U)/; %'(/*7!#8!^/6*#'/, B!^/6*#'/, B!?,) , +, A!

!

, . . .3#2&%D3#Y13#4%*+83#41Q13#V* : "O(&%3# ; 13#Q*)+K&%I49& : (83# ! 13#R\$&(J&3#?1413#=#
Y%&K. "D3#> 1R1#@ [\ adA1# ^ (-&'%)* (-+(8#\$*%&())*"# : \$\$, %) #, 0#J9+"-#\$9D'+J*"#*J)+G+)D#
&9*G+, %1#9'(%%)%)+!, *!0%!E2IH! :)) I, 4!O%%%/)@!#8!*0%15#6/%*7!#8!P%O, ; /#', 4!O%+/6/)%B!
5,)!C',)6/(6#B! ? : A!#

, . . ., =#N, % (&3#Q1#@ [\ adA1#7&&\$&(+ (8#)9&#K&*': %&K&()# , 0#K,)+G*)+, (#+ (#)9&#\$9D'+J*"#
J)+G+)D#- , K+(U#b()% , - : J+(8# . &9*G+, : %*"#&' , "G&1#9'(%%)%)+!, *!0%!E2IH! :)) I, 4!O%%%/)@!
#8!*0%15#6/%*7!#8!P%O, ; /#', 4!O%+/6/)%B!5,)!C',)6/(6#B! ? : A!!

#

, . . 13#=#< , / *"'0+3#<1#@ [\ adA1#Q&)'#8&)#\$9D'+J*"#U#Y9	, / 3#)9&# / 9D3#*(-# / 9*)#
+)#K&*('#0, %D, : 1#V%7)##%&!&'(%%)% , */#)! , *!^/6*#'/, o(13)%%') , */#), 4!N, 7!#8!*0%!D4+%!
9%'(#)!?%4%\$' , */#)B!^/6*#'/, B!P?A!

, . . .3#2"* (J9*%-3#41> 13#2&(, +)3#413#Q&GDI>+" (&3#S13#T*D", %3#M1?13#RDK, ('#7 , / ('3#713#=#
_ *% . : %), (3#71P1S1#@ [\ adA1#M9D'+J*"#*J)+G+)D#*(-#'&-&()%D# . &9*G+, %%)%*W&J), %+&'##*J%, ' '#a [#
K, ()9'#+(#J, 9, %)R*K\$&'# , 0#J, : \$&'# / +)9, :)#J9+"-%&(3#*(-#&H\$&J)* ()#\$*%&()'1#9'(%%)%)+!
, *!0%!E2IH! :)) I, 4!O%%%/)@!#8!*0%15#6/%*7!#8!P%O, ; /#', 4!O%+/6/)%B!5,)!C',)6/(6#B! ? : A!!

!

R:"c3#Q1713# ; +. . , ('3#R13#T*D", %3#M1?13#Y&K\$"&3#L1 ! 13#L, ' '3#413# , . , #> J<*D3#N13#=# _ 9*%OI
N+88+('#?1#@ [\ adA1!P00&J)+G&(&' '# , 0#*#J9, +J&I. *'&-# / 9, "&

_ 9+)&3#Q13#Q: J+*(+3# ! 13# 2&%%D3#Y13# 7 &'9\$*(-&3#R13#Q*)+K&%I49&: (83# ! 13# , .3#R\$&(J&3#?13#
Y%&K."*D3#> 13#=#V*:"O(&%3# ; 1#@[\adA1#R\$,%)'#-*D#+(#4*(*- *U#PH*K+(+(8#J,%%&"*)&'#,0#
* / *%&(&' '#* (-#+()&()+, ('#),#\$*%)+J+\$*)&#+(#' \$,%)1#9 '(%)%+!, *!O%!E2IH!?,), +/,)!9I\$4/6!
<%, 4*O!:(#6/,*/#)!!:))I, 4! ?#)8%'%)6%B!D**, K, B!D)*, '/#A#

#

C*, 3#413#=# , . .@[\adA1#

T&9"3#P1?13#2*(J9*%-3#41>1#<:\$\$%K*(3#?13#RS\$*%"+(8#3#M13# , . .3#Y,%* .+3#>1S13#=#
4, :%(&D*3#<1#@[\a[A1#PH\$"',%+(8#\$9D'+J**"#*J)+G+)D#&.)9(+J+)D#*(-&%#+(#J, ""&8#&
') : -&()'# : '+ (8#9&#R, J+*"#4, 8(+)-G&#Y9&, %D1#9'(%%)%*+!, *!*O%!E2IE! :)) I, 4!M%%%/)@!8#!'!*O%!
5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!J%K!D'4%,) (B!X : AB!U5 : A!
 , . . @ [\a[A1 _ 9D#)9, '&#T& / #C&*%6'#\$9D'+J**"#*J)+G+)D#%&' , " :)+, ('#- , # (,)# : ' : ""D# / , %O1#
9'(%%)%*+!, *!*O%!E2IE!3MMI)/j/)@! ? ,) , +/ ,)!5%)/#('! : @, /) (*!3), 6*/;/*7! - _&%*!
57M&#(/IMB!^ ,)6#I ;% 'B!P ? A#

, . .#@[\a[A1# ! (#*J)+, (#J, ()% , "#\$\$\$, *J9#), # : (-&%')* (-+(8#&H&%J+'&#.&9*G+ , : %1#
9'(%%)%*+!, *!*O%!E2IE! :)) I, 4!M%%%/)@!8#!'!*O%!5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!J%K!
D'4%,) (B!X : AB!U5 : A#

, . . =#7+JO* : 3#Q1#@ [\a[A1#PH\$&%+K&()*"#&G+-&(J�, %#)9&#+()&()+, (I.&9*G+ , : %#
&&'*)+, ('9+#\$(#)9&#\$9D'+J**"#*J)+G+)D#- , K*+(U#!#K&)*I*(*"D'+1#9'(%%)%*+!, *!*O%!E2IE!
:)) I, 4!M%%%/)@!8#!'!*O%!5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!J%K!D'4%,) (B!X : AB!U5 : A#

, . .3#> *%O3#S1#=#Y&KK&"3#41#@ [\a[A1#4 , %&%*)&'#, 0#*- :)" #'&-&()*%D#.&9*G+ , : %U#!#
'D')&K*+J#%&G&/ 1#9'(%%)%*+!, *!*O%!E2IE! :)) I, 4!M%%%/)@!8#!'!*O%!5#6/%*7!#8!P%O, ;/#', 4!
O%+/6/)%B!J%K!D'4%,) (B!X : AB!U5 : A!

, . . ,#> : %*D3#N13#Y&K\$"&3#L1 ! 13#Y : , 00, 3#N13#=# _ 9*%0#N+88+('3#?1#@ [\a[A1#M+ ,)#') : -D#
, 0#*#- , 8# / *"O+(8#+()&%G&()+, (U#P00&J)'#, 0#*#0, J : '#, (#J*(+(&*)"9!9'(%%)%*+!, *!*O%!E2IE!
:)) I, 4!M%%%/)@!8#!'!*O%!J#'*O! : M%' /6 ,)!5#6/%*7!8#!'!*O%!9(760#4#@7!#8!5&#'*! ,)+!907(/6, 4!
: 6*/;/*7B!<#)#4I4IB!<3AB!U5 : A##

, . . 13#7W : O+J3#?13#=#Y&KK&"3#41#@ [\a[A1#T+89. , %9 , , -#*%')9&)+J'*((-#)'#*' , J+*)+, (#
/ +)9# / *"O+(8#+(#*#4* (*-+*(#&)+ (8U#!#\$" ,)#') : -D!9'(%%)%*+!, *!*O%!E2IE! :)) I, 4!M%%%/)@!
#8!*O%!J#'*O! : M%' /6 ,)!5#6/%*7!8#!'!*O%!9(760#4#@7!#8!5&#'*! ,)+!907(/6, 4! : 6*/;/*7B!
<#)#4I4IB!<3AB!U5 : A#

, . . 13#T*' :)+3# ; 13 =#V+*"#3#21#@ [\a[A1# ! :) , K*+J+)D#* '#*#\$&-+J), %#, 0#&H&%J+'&#*J)+, (#
J, ()% , "1!9'(%%)%*+!, *!*O%!E2IE! :)) I, 4!M%%%/)@!8#!'!*O%!J#'*O! : M%' /6 ,)!5#6/%*7!8#!'!*O%!
9(760#4#@7!#8!5&#'*! ,)+!907(/6, 4! : 6*/;/*7B!<#)#4I4IB!<3AB!U5 : A!

!

Y%+(93#Q13#M' ,)+0, 003#S1#413# , . . ,#T ,)93#R13#=#4 , :%(&D*3#<1R1#@ [\a[A1#^ (-&%')* (-+(8#
\$9D'+J**"#*J)+G+)D#*K , (8#O+- (&D#J*(J&%# : %G+G, %'# : '+ (8#9&#)9&, %D#, 0#\$"* ((&-#.&9*G+ , : %1#
9'(%%)%*+!, *!*O%!E2IE! :)) I, 4!O%%%/)@!8#!'!*O! : M%' /6 ,)! ? #44%#1#8!5&#'* (O%+/6/)%!
=: ?5OB>15 ,)!C' ,)6/(6#B! ? : B!U5 : 1#
#

Y : , 00, 3#N13# , . . 3#Q, G&3#?13#4" , :)&%3#713#? , : 03# ! 13#=#RJ9, 0'+)'J93# ! 1#@ [\a[A1#? : ')#)9&#
0*J'U#49*(8&'#+(# , "-&%#-+%G&%#*)+) : -&'#*0)&%#&H\$, ' : %&#), #&- : J*+ , (*"#+)&%G&()+, ('1#
9'(%%)%*+!, *!*O%!E2IE! ? ,) , +/ ,)! : ((#6/ , */#)!)#)!W%'#)#4#@7B!^ ,)6#I ;% 'B!P ? B! ? ,) , + , A!

!

L , ' '3#413#S*J&3#713#_9*%0#N+88+('3#?13#T*D" , %3#M1?13# ; + . . , ('3#R13# , 13#>*J- , (*"-3#N13#
R : "c#3#Q13#=#>J<*D3#N1#@ [\a[A1#b'#)9&# : '#*(# , G&% , , O&-#', : %J&# , 0#*J)+G&#)*('\$, %)# , #
'J9 , , "#+(#4*(*-+*(#D , :)9Z!9'(%%)%*+!, *!*O%!F*O!3)*% ,)/# , 4! ? #)@'%((!#)!907(/6, 4!
: 6*/;/*7! ,)+!9I\$4/6!<% , 4*OA!57+)%7B! : I(*' , 4/ , A!

!

L, ' '3#4 13#_9*%0#N+88+('3#?13#T*D", %3#M1?13#R*(-&%J, JO3#; 13#; +. . , ('3#R13# , 13#>*J-, (*"-3#
N13#R:"c3#Q13#Y*(3#L13#=#>J<*D3#N1#@[\a[A1#7+00&%&(J&'#+(#9&*)"9I%&"*)&-#0+)(&' '#*(-#
\$9D'+J*"#*J)+G+)D#. &)/ &&(#4*(*-+*(#*(-#P(8"+'9#aoid%#, "-'!9' %(%)*%+!, !*0%!F*0!
3)*%'), */#), 4! ?#)@' %(!#)!907(/6, 4! :6*/; /*7!,)+!9I\$4/6!<% , 4*0!D6*A!E2IEB!57+)%7B!
: I(*', 4/, A!

!

L, ' '3#4 13#_9*%0#N+88+('3#?13#T*D", %3#M13#R*(-&%J, JO3#; 13#; +. . , ('3#R13# , 13#>*J-, (*"-3#
N13#R:"c3#Q13#Y*(3#L13#=#>J<*D3#N1#@[\a[A1#Y9&#JDJ"+(8I#-+'&KK*#+(#D, :)9U#_ '*#
&%J%&#)+, (*"#, %J, KK:)&%#JDJ"+(8#0+'%)Z!9' %(%)*%+!, !*0%!3)*%'), */#), 4! ?#)@' %(!#)!
907(/6, 4! :6*/; /*7!,)+!9I\$4/6!<% , 4*0A!D6*A!E2IEB!57+)%7B! : I(*', 4/, A!

!

0

2&* :J9*K\$3#> 1S13# , . 13#N: *3#R13#> , %) , (3#<1#Q13#<%&:)c&%3#4 13#Q+*(83#?13#<9, :3#
<3#C13#7* , : -3#71#> 13#R9&%K*(3#> 1#V1213#7 : (" , \$3#_ 1#Q13#=#R9&"3#! 1_ 1#@[\aaA1#
; %&*)#&H\$&J)*+ , ('#*(-#0*"')&#-*/ ('U#4*(#\$"*J&. , '#. &#: '&-#) , #&(9*(J	D'+J*"#
9&*)"9#*K, (8#*- , "&'J&()'Z#9, &%!'&' %(%)*%+!, !*0%!,))I, 4!6#)8% '%)6%!#8!*0%!5#6/%*7!
#8!P%0, ;/#', 4!O%+/6/)%!=5PO>B! b , (0/)@*#)!NA?AB!U5 : 1#

2&* :J9*K\$3#> 1S13# , . 13#<%&:)c&%3#4 13#=#S :\$&%)3#?1#Q1#@[\aaA1#PH\$&%+&()+*"#G&%': '#
8&(&)+J*JJ, : ('# , 0#+(*J)+G+)DU#bK\$"+J*+ , ('#0, %#+(*J)+G&#\$*%)+J+\$*()'Z#9' %(%)*%+!, !*
*0%!,))I, 4!6#)8% '%)6%!#8!*0%!5#6/%*7!#8!P%0, ;/#', 4!O%+/6/)%!=5PO>B! b , (0/)@*#)!
NA?AB!U5 : A#

-% : +W(3#; 1#?13# , . .3#=#L*(#5'J93#Q1#@[\aaA1#!J)+, (#\$"*((+(83#9* .+)'#)&(8)9#
(-#)9&#+(&()+, (I&H&%J+'&#%&")+ , ('9+\$1#9' %(%)*%+!, !*E[*0! :))I, 4! ?#)8% '%)6%!#8!*0%!
- I'#&%,)!<% , 4*0!9(760#4#@7!5#6/%*7B#? '%*%#B!W' %%#6%A##

, . .3#Y&KK&"3#413#=#> *%O3#S1#@ [\aaA1#4 , %&"*)&'#, 0#&'&-()*%D#. &9*G+, : %*#K, (8#* - :)'U#! #'D')&K*)+J#%&G+& / 1#9#(%!'&'%(%)%*+!, *!%O%! :)) I, 4! O%(%%*/)@!#8!*O%! 3) *%') , */#), 4!5#6/%*7!8#!'P%O, ;/#', 4!JI*'/#/#)!,)+!907(/6, 4! : 6*/; /*7!=35PJ9 :>B! O%4\$#I')%B! : I(*', 4/, A!

RS&(J&3#?1#413# , .3#=#R)&*% ('3#?1#@ [\aaA1#4 , K\$"+*(J&#%*)&'#+ (#&H&%J+'&#\$, 8%*K'U#! # %&G+& / #, 0#%&G+& / '1#9, &%!'&'%(%)%*+!, *!%O%!9,). 9, 6/8/6! ?#)8%'%)6%!8#!'O%+ /6/)%) ,)+!56%)6%!)!5&#'*B! <#)#4I4IB! <, K, /A!

0 0

4, ((%&3#> 13#=# , . .#@ [\a\A1#49*(8+(8#.&9*G+, : %#)9%, : 89#*00&J)+G&I. *'&-#G&%': '# J, 8(+)+G&I. *'&-#*)+): -(*"#K&' '*8&'1#9'(%%)%*+!, *!%O%!E212! :)) I, 4! O%(%%*/)@!#8!*O%! 5#6/%*7!8#!'9%'(#), 4/*7!,)+!5#6/, 4!9(760#4#@7B!X, (!^%#@, (B!J%;, +, A!

-% : +W+(3#; 1#?13#=# , . .#@ [\a\A1#b()&8%*)+(8#'&"0I&8:"*), %D#\$"*((+(8#*(-#\$*')# &H&%J+'&#.&9*G+, : %#+(#&H&%J+'&#*J)+, (#J, (%, "U#!#)9&, %D#, 0#\$"*((&-#.&9*G+, : %# \$&%'\$&J)+G&1#9'(%%)%*+!, *!%O%!EF!"- I'##&,)!<%, 4*O!9(760#4#@7!5#6/%*7!6#)8%'%)6%B! ?4Ip. J, , B!Y#M,)/, A!

-% : +W(3#; 1#?13#=# , . .#@ [\a\A1#>, -&%*)&#*(-#G+8, %, : '\$9D'+J*"#*J)+G+D#*J)+, (# J, (%, "U#&H\$)", %+(8#)9&#%, "&#, 0#4, ('J+&()+, : '(&'#*#*(-#PH)% , G&%'+, (1#9'(%%)%*+!, *!%O%!E212! 3) *%') , */#), 4!5#6/%*7!8#!'P%O, ;/#', 4!JI*'/#/#)!,)+!907(/6, 4! : 6*/; /*7B!O/)%) , /(B! O/)%)%(*, A!

V+*"#3#213#=# , . .#@ [\a\A1#^ (-&%')*(-(8#*J)+, (#J, (%, "U#PH&%J+'&#+()&('+)D3#+()&()+, ('# *(-#.&9*G+, %1#9'(%%)%*+!, *!%O%!E212! b %(%%'')!9(760#4#@/6, 4! : ((#6/, */#)! ?#) ; %)#/#)B! ? ,)6I)B!O%_/6#A!!

V+*"#3#213# , . .3#2"* (J9*%-3#41> 13#=# ! (-&%', (3#?151#@ [\a\A1#^ '+'(8#' , J+*"#J, 8(+)+G&# J, (')% : J))#), #S%&-+J)#\$%&, \$&%*+)+G	D'+J*"#*J)+G+D#. &0, %&#),)*"#W, +()#%&\$"*J&K&()!# 9'(%%)%*+!, *!%O%!E212! J#'*O! : M%' /6,)!5#6/%*7!8#!'*O%!9(760#4#@7!#8!907(/6, 4! : 6*/; /*7! :)) I, 4! O%(%%*/)@B!" I6(#)B! : aA!

V, J9)3#21413 , . .3#; : % : K : %9D3#M13#_ *""+'3#?13#=#M&), '*3#S1Q1#@ [\a\A1#^)+)D#, 0#)9&# *J)+G+D#)%*+)%*#*(-#)9&#)9&, %D#, 0#\$"*((&-#.&9*G+, %0, %&#H\$"*+((8#%&'+')*(J&#&H&%J+'&# \$*%)+J+\$*+), (1#9'(%%)%*+!, *!%O%!E212! :)) I, 4! O%(%%*/)@!#8!*O%!5#6/%*7!#8!P%O, ;/#', 4! O%+ /6/)%)B!5%, **4%B! b : A!

<+%O3#> 13#=# , . .#@ [\a\A1#5JJ:\$*+), (#J, %&%&"*)&'#, 0#* - :)'6#\$*%)+J+\$*+), (#(# \$9D'+J*"#*J)+G+)DU#! #'D')&K*)+J#%&G+& / 1#9'(%%)%*+!, *!%O%!E212! J#'*O! : M%' /6,)! 5#6/%*7!8#!'*O%!9(760#4#@7!#8!907(/6, 4! : 6*/; /*7! :)) I, 4! O%(%%*/)@B!" I6(#)B! : aA!

> *%O3#S13# , . .3#4*'+%, 3#T13#=#-&#` / *8&%3#! 1> 1#@ [\a\A1#^ (-&%')*(-(8# : '*8&# , 0# &H&%J+'&#G+&- , 8*K&# .+0&'# : '+'(8#)9&#)9&, %D#, 0#\$"*((&-#.&9*G+, : %*#K, (8#\$*%&()!# /+)9#D, : (8#J9+ -%&(#(#)9	, K&I'&)+ (8U#! #S+),)#') : -D1#9'(%%)%*+!, *!%O%!E212!

, . ., #=#T*':)+3# ; 1#@ [\ a \ A1#Y%&(- '#*(-#J9*(8&'#+(#. &9*G+, :%*"#\$9D'+J*"#*J)+G+)D#
%&'&*%J9#, G&%#)9&#"*')#) / , #-&J* -&'U# ! #F:*(+)*+G&#%&G+& / 1#9'(%%)%+!, *!*O%!E212!
J#' *O!: M%' /6,)!5#6/%*7!8# '!*O%!9(760#4#@7!#8!907(/6, 4! : 6*/; /*7! :)) I, 4! O%%%/)@B!
" I6(#)B! : aA!

, . .3#T*D", %3#M1?13#=# > J<*D3#N1 ! 1#@ [\ a \ A1#S 4 Y#, 0#*#0*K+"D#\$9D'+J*"#*J)+G+)D#\$"*((+(8#
+(&%G&()+, (#*K, (8#\$*%&() '#*(-#)9&+%#J9+"-%&(1#9'(%%)%+!, *!*O%!E212! :)) I, 4! O%%%/)@!#8!
*O%!5#6/%*7!#8!P%0, ;/#', 4! O%+/6/)%B!5%, **4%B! b : A!

Y: , 00, 3#N13#RJ9, 0'+) 'J93# ! 13#Q, G&3#?13# , . ., #=#?, : 03#R1#@ [\ a \ A1#49*(8+(8#. &"+&0'##. , :)#
," -&%#- %+G&% '#)9%, : 89#*\$"\$+&-#)9&*)%&ETQq0. 2 4000. 2 40601. 92cmBT 5000501597. 266205. 29 / TTT41Tf

> *%O3#S13#=# , . .#@ [\ \ fA1#b()&#*J)+G&#G+& , #8*K&'U# ! #&G+& / #, 0#")&%*): %&1#9' % (%) %%+!, *!
*O%!5#6/%*7!#8!P%0, ;/#', 4!O%+/6/)%!E22T!:)) I, 4!O%*%*/) @B!O#) *%, 4B!QI%\$%6A!

> *%O3#S13#=# , . .#@ [\ \ fA1#Y&')+(8#)9&#&00&J)+G& (&' #, 0#+ ()&%*J)+G*K&. +O&' #, (#9D'+J*"#
J)+G+)D#K,)+G)+, (#*K, (8#\$*%&() '*(-#D, : (8#J9+"-%& (#(#)9	, K&U# ! # \$" ,)#') : -D1#
9' % (%) %%+!, *!O%! ? ,) , +/,)!5#6/%*7!8# '! - _%'6/(%!907(/#4#@7!E22T!:)) I, 4!O%*%*/) @B!
^ ,)6#I; %'B!P?A!

> J ; * ((, (3#<13#2"* (J9*%-3#41 > 13#2 : '* (+J93#S13# > J7 , ((&""3#Q13#S&+-3#S1713# , . .3#
R\$&(J&3#?1413#> , %%+(3#Q1b13#=#P- / *% - '3#T1#@ [\ \ fA1#^ (-&%')* (-+(8#8&(-&%#-+00&%&(J&'#+(#
\$9D'+J*"#*J)+G+)D#\$*%)+J+\$*)+, (#- : %+(8#9, K&I. *'&-#J*%-+*J#%&9* .+"*)+), (U# ! # ; % , : (-&-#
)9& , %D#*\$S%, *J91#9' % (%) %%+!, *!O%!5#6/%*7!#8!P%0, ;/#', 4!O%+/6/)%!E22T!:)) I, 4!O%*%*/) @B!
O#) *%, 4B!QI%\$%6A!

, . . =#M0*&00"+3#Q1 ! 1#@ [\ \ fA1#> &-+*) , %' #, 0#. &9*G+ , : %#J9*(8&#*K, (8#* - :)#(, (IJ"+(+J*"#
\$, \$: "*")+, ('U# ! # 'D')&K*)+J#%&G+& / #: \$-*)&1#9' % (%) %%+!, *!O%!: +; ,)6/)@!O%CI*I' %!#8!
907(/6, 4! : 6% / ; % 7! O%, (I' %M%)*! ,)+!WI/+%/)%(!E22T! ? #) (%) (I(! ? #)8% ' %)6%B!V,) ,) , (L/(B!
: PA!

, . . 3#Y&K\$"&3#L1 ! 13#=#Y: , 00, 3#N1 ! 1#@ [\ \ fA1#PG+& (J&I. *'&-#%+'O#*' ' &' ' K&()#*(-#
%&J, KK&(-*)+, ('#0, %#\$9D'+J*"#*J)+G+)D#J"&*%*(J&U#4, 8(+)+G&#*(-#\$'DJ9, " , 8+J*"#
J, (-+), ('1#9' % (%) %%+!, *!O%!9I\$4/6!<%, 4*O! : @%)67!#8! ? ,) , +, ! ,)+! ? ,) , +/,)!5#6/%*7!8# '!
- _%'6/(%!907(/#4#@7!E22T!9 : Y.Qc!9 : YM%+

Y&K\$"&3#L1# ! 13# , . .3#=#T*':)+3# ; 1#@ [\ \ fA1#PG+-(J&I. *'&-#%+'O#*' '&' 'K&()#*(-#
%&J, KK&(-*)+, ('#0, %#\$9D'+J*"#*J)+G+)D#0, %#\$&, \$"&# / +)9#+()&'"&J): *"#-+*'.+)+D1!9, &%!
&'%(%)%+!, *!O%!1]O!=E22T>13)%%'), */#), 4!57M&#(/IM!#8!: +, &%%+!907(/6, 4!: 6*/; /*7B!
W, ; 4%B!5K%+%)A!/#

00

2&"" , / 'IS+&JO&(3#<1N13#=# , . .#@ [\ \ eA1#P"+J+)(8#*00&J)+G&#. &"+&0'#* . , :)#9D'+J*"#
*J)+G+)D1#9'(%%)%+!, *!O%(13)%%'), */#), 4!5#6/%*7!#8!P%0, ;/#', 4!JI*'/%/#)!,)+!907(/6, 4!
: 6*/; /*7!E22G! :))I, 4!O%(%%/)@B!P,)88B! : PA!

2*(J9*%-3#41>13#<: \$\$&%K*(3#?13#R\$*%"+(83#M13#T&9"3#P13# , . 3#4, : %(&D*3#<13#=#2*O&%3#V1#
@[\ \ eA1#PH\$*"+(8#\$, , %#*-9&%&(J&#), #oI ! I7 *D#0%, K#*#)9&, %D#, 0#\$"*((&-#. &9*G+, %
\$&% '\$&J)+G&1#9'(%%)%+!, *!O%(13)%%'), */#), 4!5#6/%*7!#8!P%0, ;/#', 4!JI*'/%/#)!,)+!907(/6, 4!
: 6*/; /*7B!P,)88B! : PA!

2*(J9*%-3#41>1, #>J7, ((&""3#Q13#S&+-3#213#>, %%+(3#Q13# , . 3#>J; *((((3#<13#R\$&(J&3#
?1413#=#P- / *%-'3#T1#@ [\ \ eA1#^ (-&%)* (-+(8#&H&%J+'&#. &9*G+, %#- : %+(8#9, K&I. *'&-#J*%+*J#
&%9* .+)+)*, (U!#)9&, %D#, 0#\$"*((&-#. &9*G+, %#\$&% '\$&J)+G&1#9'(%%)%+!, *!O%!?, , , +/,)!
: ((#6/, /*#)!8#!!?, '+/, 6!Y%0, \$/4/*, /*#)! :))I, 4!O%(%%/)@B!""#'#)#B!?, , , +, A#

2*(J9*%-3#41>13#T&9"3#P13# , . 3#=#2*O&%3#V1#@ [\ \ eA1#b(-+G+- : *"#G&%': '#8%, : \$I"&G&#"
&00&J)'#, 0#)*'O#*(-#. %%%&%#'&"0I&00+J*JD#, (#9D'+J*"#*J)+G+)D1#9'(%%)%+!, *!O%!J#*O!
: M%/6,)!5#6/%*7!8#!'!O%!9(760#4#@7!#8!5&#*! ,)+!907(/6, 4!: 6*/; /*7B!J/, @, ', !C, 44(B!DJA!

4, . "&3#?13#=# , . .#@ [\ \ eA1#M9D'+J*"#*J)+G+)D#. &9*G+, %'#*(-#K,)+G*)+, ('#+(#*#*"- :)#V+%')#
T*)+, (#\$, \$: "*"), (1!9'(%%)%+!, *!O%!5#6/%*7!#8!P%0, ;/#', 4!O%+/6/)%!E22G! :))I, 4!
O%(%%/)@B!5,)!N%/#@B!?: : A!

V%D3#>1?13#M&)&'&(3#?1!13#7, D"&I2*O&%3#M1<13#=# , 1P1#@ [\ \ eA1 4, ')I&00&J)+G&(&' '#, 0#-, 8#
, / (&% '9+\$#, (#J*%+*, G* 'J: "%#*#-+'&* '	&*")9J*%&#J, ')!1? , , , +/,)!9I\$4/6!<%, 4*O!
: ((#6/, /*#)!E22G! :))I, 4!/?#)8%(%%)6%B!<, 4/8, _B!J51#

?, 9(, (3#>1`13#71P1S3# , . 3#=#2%&-+(3#R1R171#@ [\ \ eA1#V%&&#J9, +J&U#PH* K+(+(8#&+' : %&I
)&K&#*J)+G+)D#, 0#D, : (8#*"- :)' # / 9&(#&H\$, '&-#), #+)&%*J)+G&#G+-&, #8*K&'1#9'(%%)%+!, *!O%!
?, , , +/,)!5#6/%*7!8#!'-_%'6/(%!907(/#4#@7! :))I, 4!O%(%%/)@B!P,)88B! : PA#

>*cc, (+3#P13#M: %G&'13#Q13#R, :)9 / *%-3#ETQq08-0.2(1#4000.22(#,]T.7-1285))0.2(*)00, :) : %&

2"*(J9*%-3#41>13#V+'9&%3#?13#R\$*%"+(83#M13#T&9"3#P13# , .3#4 , :%(&D*3#<13#=#2*0&%3#V.
@[\\mAl#Y9&#K\$,%)*(J&#,0#&)9(+J+)D# / +)9+(#)9&#)9&,%D#,0#\$"*((&-#.&9*G+,%#+(#)9&#&H&%J+'&#
-,K*+(1#9'(%)%%+!,!*0%!5#6/%*7!#8!P%0,;/#',4!O%+/6/)%!E22J! :)I,4!O%%%/)@B!
b,(0/)*#)B!N?A#

4,((&%3#>13#

2&"" , / '3#<13#=# , . .#@[\ \nA1#Y9&#. +%)9# , 0#+(*J)+G+)DZ# ! #&G+& / # , 0#\$9D'+J*"#*J)+G+)D#*(-# \$*%&(9 , , -1!9'(%%)%+! , !*O%!J#'*O! : M%' /6 ,)!5#6/%*7!8#!*O%!9(760#4#@7!#8!5&#'*! ,)+! 907(/6 , 4! : 6*/; /*7!E22R! :)) I , 4! O%%%/) @B!N%); %'B! ?DA!

2"*JO" , JO3#S13# , . ., #=#2% , / (3#R1 ; 1#@[\ \nA1#S&"*) , ('9+\$# . &) / &&(##&8:"*%# / *"O+(83# \$9D'+J*"#*J)+G+)D#*(-#9&*")9I%&"*)&-#F:*"+)D# , 0#+0&1#9'(%%)%+! , !*O%!J#'*O! : M%' /6 ,)! 5#6/%*7!8#!*O%!9(760#4#@7!#8!5&#'*! ,)+!907(/6 , 4! : 6*/; /*7!E22R! :)) I , 4! O%%%/) @B!N%); %'B! ?DA!

2*(J9*% -3#41 > 13#V+'9&%3#?13#R\$*%"+(83#T&9"3#P13# , . .3#4 , : %(&D*3#<1R13#=#2*O&%3#V.# @[\ \nA1#b'#+)#(&J&' '*%D#) , #: '&#)9&#&H\$&J*(JD#G*":�%*K& / , %O# / 9&(##K&*":%+(8# . &"+&0'# /+)9+(#)9&#)9& , %D# , 0#\$"*((&-#. &9*G+ , %Z# ! (##)9(+J#\$&' \$&J)+G&1#9'(%%)%+! , !*O%! ? ,) , +/ ,)! 5#6/%*7!8#!*O%!9(760#M#*#*!X% , ') /) @! ,)+!5&# '*!9(760#4#@7B!< , 4/8 , _B! ? ,) , + , A#

4 , . "&3#?1713#=# , . .#@[\ \nA1#M9D'+J*"#*J)+G+)D#*(-#* . , %8+(*"#\$, \$:"*) , ('#+(#T , %)9# ! K&%+J*U# ! #&G+& / 1#9'(%%)%+! , !*O%!5#6/%*7!#8!P%0 , ; /# ' , 4! O%+/6/) %!E22R! :)) I , 4! O%%%/) @B!5 ,)!C' ,)6/(6#B! ? : A!

7&*(3#S1T13#Y: , 00 , 3#N1# ! 1#=# , . .#@[\ \nA1#M9D'+J*"#*J)+G+)D#*(-#- %+G+(8#-+00+J:")+&'#+(# , "-&%#* - :)"1#9'(%%)%+! , !*O%! ? ,) , +/ ,)! : ((#6/ , */#) !#8!W%'#)*#4#@7! :)) I , 4! - +I6 , */#) ! ,)+!56%)*/&/6! O%%%/) @B!QI%\$%6! ? /*7B!QI%\$%6A

Y&K\$"&3#L1 ! 13#T*D", %3#M1?13#2%+-8&/ *)&%3#Q1#=# , . .#V*K+"D#J9+"-J*%&U# ! # '&))+(8#0, %)9&#
\$, K,)+, (#, 0#\$9D'+J*"#'+)&%*JD1#9'(%%)%+!, !*O%(!3)%'), /#), 4! ?#)@ '%(!#)!907(/6, 4!
:6*/;/7!,)+!9I\$4/6!<%, 4*OB! : *4,)*, B!W : A#

_ *"" .%&J9)3#<13#S9, -&'3#P1413#Q*(8+""3#S1N13#=# , . .@[\ \nA. Y9#&00&J)'#, 0#*#a[I / &&O#
J*% -+*J#&9* . +)*+, (#\$, 8%*K#, (#0, :%#K&*':%&'#, 0#9&*")9#, :)J, K&'1#9'(%%)%+!, !*O%!
:M%'/6,)! ?#44%#@%#!#8!5&# '*(!O%+/6/)%![H'+! :))I, 4!O%(%%/)@B!N%);% 'B! ?DA#

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4, :% (&D*3#<1R13#?, (&'3#Q1# _ 13# , . ., =#2"* (J9*%-3#41 > 1#@ [\ \oA1#P00&J)'#, 0#-+00&%&()#
J, K. +(*)+, ('#, 0#+)(&')D#J*)&8, %+&'#, (#'&'0I%&\$, %) &-#&H&%J+'&1#9'(%%)%+!, !*O%!5#6/%*7!#8!
P%0, ;/#', 4!O%+/6/)%(!ER*O! :))I, 4!O%(%%/)@B!P#(*#)B!O : A##

N, \$\$&%3#Y1V13#2%, / (3#R1; 13#R*(0, % -3#<1?13#=# , . .#@ [\ \oA1#! : 8K&()+ (8#') : -&()#&*J9&% '6#
*\$)+ : -&#), #)&*J9#\$9D'+J*"#&- : J*+), (U#^'+ (8#)9&#)9&, %D#, 0#\$"* ((&-# . &9*G+, : #), #' '&' '#
'+): *)&-# '&*% (+ (8#+ (#*#K&)9, - '#J, : % '&1#59 - : !c! ? : <9 - YN!c!5 < - : ! ?#)8%')6%!E22[B!
5, (L, *##)B!5, (LA#

, . ., #=#2"* (J9*%-3#41 > 1#@ [\ \oA1#Y&')+(8#9+89&%I, % -&%#K&*':%&K&()#') : J): %&'#, 0#)9&#
)9&, %D#, 0#\$"* ((&-# . &9*G+, %*# (-#&H&%J+'&1#9'(%%)%+!, !*O%!5#6/%*7!#8!P%0, ;/#', 4!
O%+/6/)%(!ER*O! :))I, 4!O%(%%/)@B!P#(*#)B!O : A#

, . ., #=# > J < *D3#N1 ! 1#@ [\ \oA1#R&'0I&')&&K*# (-#J, K\$&)&(JD#, :)J, K&'#*K, (8#]9#), #n)9#
8%* -&#') : -&() '#*J#, '#ao#K, ()9'#, 0#*#J9, , 'I. *'&-#\$9D'+J*"#*J)+G+)D#\$%, 8%*K1#9'(%%)%+!
, !*O%!5#6/%*7!#8!P%0, ;/#', 4!O%+/6/)%(!ER*O! :))I, 4!O%(%%/)@B!P#(*#)B!O : A#

, . ., #=# > J < *D3#N1 ! 1#@ [\ \oA1#P)9(+J*# (-#8&(-&%#-+00&%&(J&'#+(#\$9D'+J*"#*J)+G+)D#
K,)+G*+), (#* (-# . &9*G+, %*#K, (8#]9#), #n)9#8%* -&#') : -&() '1#9'(%%)%+!, !*O%!5#6/%*7!#8!
P%0, ;/#', 4!O%+/6/)%(!ER*O! :))I, 4!O%(%%/)@B!P#(*#)B!O : A#

, . ., #=#M'), (+0, 003#S141#@ [\ \oA1#4*(#\$*')#\$9D'+J*"#*J)+G+)D#*J)*#*#%&*', (*."&\$%, HD#
K&*':%&#, 0#0): %&#\$9D'+J*"#*J)+G+)DZ#! (#G*":*)+, (#:'+(8#', J+*"#J, 8(+), (#K, -&'1#
9'(%%)%+!, !*O%!5#6/%*7!#8!P%0, ;/#', 4!O%+/6/)%(!ER*O! :))I, 4!O%(%%/)@B!P#(*#)B!O : A! !

Y: , 00, 3#N13# > J ; &&3#M13#=# , . .#@ [\ \oA1#S&* -+ (&' '#), #J9*(8&#- %+G+(8# . &9*G+, %U## ! #S+' ,)#
'): -D#: '+ (8#*# (&/ #-&J+' , (*"# . *"# (J&# 'J*#&1#9'(%%)%+!, !*O%! :))I, 4!O%(%%/)@!#8!*O%!
?,), +/,)! : ((#6/, /#)!)!W%'#)*#4#@7B! <, 4/8, _B!J#; , !56#%/, A##

_ *% . :%), (#71P1S13#2%&-+ (#R1R1713#N, %+) *#Q1Y1Q13#P'J9#21Y1 !

2"*(J9*%-3#41>13#V+'9&%3#?13#R\$*%"+(83#M13#T&9"3#P13#4,:%(&D*3#<1R13# , . .,#=#2*O&%3#V1#
@[\\]A1#^'+(8#)9&#)9&,%D#,0#\$"*((&-#.&9*G+,%#),#&H\$"*+(#&H&%J+'&#.&9*G+,%#+(#*#
J, KK:(+D# '*K\$"&#,0#!0%+J*(I! K&%+J*('##*(-#4*:J*'+*('1#9'(%(%)%+!,*!O%!E22F!,))I,4!

4, :% (&D*3#<1R13#V%+&-&(%&+J93#41 > 13#R&"*3#S1 ! 13#h :+((&D3#N1 ! 13# , . .3#=#?, (&'3#Q1_ 1#
@ [\ \ dA1# ^ (-&% ')* (-+(8#&H&%J+'&#* -9&%&(J&#+(#J*(J&%#':%G+G,% '#*0)&%#*\$%)+J+\$*)+, (#+(#*#
%*(-, K+c&-#J, ()%, "'&-#)%+*"U# ! (#*))%+. :)+, (*"#&% '\$&J)+G&1#9, &% '!& '%(%)*%+!, *!*O%!EF*O!
))I, 4!O%(%*/)@!#8!*O%!5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!5, 4!*X, L%! ?/*7B!U*, OA#

4, :% (&D*3#<1R13#?, (&'3#Q1_ 13# , . .3#=#2"*(J9*%-3#41 > 1#@ [\ \ dA1#P00&J)#, 0#%&'\$, ('&#
'J*"&'#, (#'&"0I%&\$, %) &-#&H&%J+'�%&F:&(JD1#9, &% '!& '%(%)*%+!, *!*O%!EF*O! :))I, 4!O%(%*/)@!
#8!*O%!5#6/%*7!#8!P%O, ;/#', 4!O%+/6/)%B!5, 4!*X, L%! ?/*7B!U*, OA#

V+'9&%3#?13#_ , , -'3#4 13#2"*(J9*%-3#41 > 13#R\$*"+"(83#M13# , . 13#4, :% (&D*3#<1R13#2*O&%3#V13#=#
T&9"3#P1#@ [\ \ dA1# ; &(-&%#* (-#&)9(+J#-+00&%&(J&'#+(#\$9D'+J*"#*J)+G+)D#+(#:(-&%8%*- :*)&#
J, ""&8&#'): -&() '1#9, &% '!& '%(%)*%+!, *!*O%!5#I*O%, (*! ?O, &% '!#8!*O%!: M%'/6,)! ?#44%@%#8!
5&#*'(!O%+/6/)%B! : *4,)*, B!W%#'#@/, A#

, . 13#2&%%D3#Y13#T*D", %3#M1?13#=#_9*%0#N+88+('3#R1?1#@ [\ \ dA1#Y9&#\$, J&' '&'#, 0#J9*(8&#
(-#\$9D'+J"#*J)+G+)D#Y9%&&I')&\$#G*"+"-*)+, (#+(#*# '*K\$"&#, 0#*- , "&'J&() 'A!9, &% '!& '%(%)*%+!
, *!*O%!,))I, 4!M%(%*/)@!#8!*O%!J#'*O! : M%'/6,)!5#6/%*7!8#'*O%!9(760#4#@7!#8!5&#'*!,)+!
907/6, 4! : 6*/(-#&)0.2(H&)!

, . ., #=#4, :%(&D*3#<1R1#@[\ \ [A1#M*'')#. &9*G+, %*#*(-#)9&#)9&, %D#, 0#\$"*((&-#. &9*G+, %U#>, -&'+(8#')%*)&8+&'#*(-#+()&%\$%&)*), (1#9, &%!'&'%(%)%+!, *!O%!?,), +/,)!5#6/%*7!8#!9(760#M#*#!X%, ')/@!,)+!5&# '*!9(760#4#@7!E22E! :)) I, 4!O%%%/)@B!^,)6#I;%'B!PA?A#

, . . 13#=#4, :%(&D*#@[\ \ [A1#7&)&%K+(*)'#, 0#\$9D'+J*"#&H&%J+'&#K,)+G*+), (#*K, (8#.%&*'')#J*(J&%#':%G+G, %'U#! (#*\$"\$+J*)+, (#, 0#*(#&H)&(-&-#)9&, %D#, 0#\$"*((&-#. &9*G+, %K, -&'A!9, &%!'&'%(%)%+!, *!O%!E22E! b #'4+! ?#)8%'%)6%!#)!P'%, (*!?,)6%'B!^/6*#'/, B!PA?A!

, . . 13#=#4, :%(&D*#@[\ \ [A1#7, &'#\$&%', (*'+)D#K, -&%*)&#)9&#)9&, %D#, 0#\$"*((&-#. &9*G+, %#+(#)9&#&H&%J+'&#-, K*+(Z#9, &%!'&'%(%)%+!, *!O%!E22E! :)) I, 4!O%%%/)@!#8!*O%!5#6/%*7!#8!P%O, ;/##', 4!O%+/6/)%B! b, (O/)@*#)B!NA?A#

, . ., #=#4, :%(&D*#@[\ \ [A1#S&"*)+, ('9+\$'#.&)/ &&(#\$&%', (*'+)D3#*(#&H)&(-&-#)9&, %D#, 0#\$"*((&-#. &9*G+, %K, -&'#*(-#&H&%J+'&#. &9*G+, %1#9, &%!'&'%(%)%+!, *!O%!E22E! :)) I, 4!O%%%/)@!#8!*O%!5#6/%*7!#8!P%O, ;/##', 4!O%+/6/)%B! b, (O/)@*#)B!NA?A#

, . . 3#?, (&'3#Q1 _ 13

M" ,)(+O,003#S13#2&%J,G+)c3#<13# , . .3#2% , / (3#R13#>J7 , (*"-3#M1#=#7%+&c&(3#M1#@ [\ \ aA1# 7 , &'#)9&#%&"*)+ , ('9+\$#. &)/ &&(#. , -D# / &+89)#\$&%J&\$)+ , ('3#- &'%&'#* (-#J , (J&%(' # / +)9# &H&%J+'&#*(-# 'K , O+(8#G*%D#. &)/ &&(#4 * (*-+*(#9+89#'J9 , , "#K*"&'#*(-#0&K*"&'Z#9 , &%!' &'%(%)%)+! , *!*O%!E221! :)) I , 4!O%%%/)@!#8!*O%!5#6/%*7!#8!P%O , ;/#' , 4!O%+/6/) %B!5% , **4%B! b , (O/)@*#)A!!

, . 13#4 , :% (&D*3#<1R13#=#2 , .+JO3#Y1#@ [\ \ aA1#M&% ' , (*"+)D#*(-#&H&%J+'&#%\$*%)+J+\$*)+ , (# *J% , '#'#9&#.#&%'#)J*(J&%#&H\$&%&+(J&1#9 , &%!'&'%(%)%)+! , *!*O%!E221! :)) I , 4!O%%%/)@!#8!*O%! 5#6/%*7!#8!P%O , ;/#' , 4!O%+/6/) %B!5% , **4%B! b , (O/)@*#)1##

, . .#=#4 , :% (&D*3#<1R1#@ [\ \ aA1#M&% ' , (*"+)D#*(-#&H&%J+'&#%\$&0&%&(J&'1#9 , &%!'&'%(%)%)+! , *!*O%!J#'0! : M%' /6 ,)!5#6/%*7!8#'#!9(760#4#@7!#8!5&#*!' ,)+!907(/6 , 4! : 6* ; / *7! ? #)8%'%)6%B! 5*A!X#I/(B!O/((#I' /A!#

, . 13#? , (&'3#Q1 _ 13#=#4 , :% (&D*3#<1R1#@ [\ \ aA1#PH)&(-+(8#)9&#)9& , %D# , 0#\$*"((&-#. &9*G+ , %# +(#)9&#&H&%J+'&#- , K*+(U# ! #J , K\$*%+' , (# , 0# ' , J+*"# : \$\$, %) #* (-# : . W&J)+G&#(, %K1#9 , &%!' &'%(%)%)+! , *!*O%! : M%' /6 ,)! ? #44% @ %!#8!5&#*!'(O%+/6/) %!FG*O! :)) I , 4!O%%%/)@B!P , 4* / M# ' %B! O , '74 ,)+A!!

, . .3#M" ,)(+O , 003#S13#=#R\$&(J&3#?1#@ [\ \ aA1# ! ' ' &'+'(8# , \$)+K*"#\$&-+J)+G&#G*" : &#+(# &H&%J+'&#&'0I&00+J*JDU# ! #J , K\$*%+' , (# , 0# '\$&J+0+J�+J*JD#. &'&&0'#G&% : '#*# : KK&-# 'J*"&# /+)9#*#"8&#\$, \$: "*" , (#'*K\$"&# , G&% 2025 . 855 % , ()0 . 2 (&)0 . 2 (%)0 . : "%*%J+' . 2 (\$*)0 . 2 (9#*)0 . 2 (#)05045

