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E@)&*)M*,!)$!)!7&:$%!(3%&(#!%(!:,3(:%!)#0!&#4&5,#%!(7!4:& / ,!(:!@&(*,#4,-!)$!F,**!)$!)#0! &#4&5,#%$!&#@(*@&#>!H:(=&M&%,5!.(#5'4%_!E*$(!3:(@&5,$!)#!,$4(:%!$,:@&4,!(#!4) / 3'$!%(!)#0! $%'5,#%!)#5!4)#!:,)4=!%=,!9,)#!(#!9'%0!)%!)#0!%& / ,_!E@)&*)M*,!DK!=(':$!)!5)0-!Q!5)0$!)! F,,c_!.) / 3'$!G)7,%0!F&**!7(:F):5!)#0!:,3(:%$!&#@(*@&#>!3(%,#%&)*!H:(=&M&%,5!.(#5'4%!%(! %=,!.&@&*!A&>=%$!)#5!<&%*,!"C!W77&4,_!
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E@)&*)M*,!(#!F,,c5)0$!5':&#>!:,>'*):!(77&4,!=(':$!%(!:,4,&@,!4(/ 3*)&#%$!:,*)%,5!%(! , / 3*(0,,$!(7!%=,!.(**,>,-!&#4*'5&#>!7)4'*%0_!O' /)#!A,$(':4,$!F&**!7(:F):5!)#0!:,3(:%$! &#@(*@&#>!3(%,#%&)*!H:(=&M&%,5!.(#5'4%!%(!%=,!.&@&*!A&>=%$!)#5!<&%*,!"C!W77&4,_!
E f .!N&:$%!N*((:!
FFF_(20_,5'L(77&4,$8$$,:@&4,$L=' /)#8:,$(':4,$!
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:+&(6"%L)5-+(),63 99'7+1:+&(6"(6:5)06

E@)&*)M*,!(#!F,,c5)0$!5':&#>!:,>'*):!(77&4,!=(':$_!E44,$$!%(!9,)#!(#!9'%0!DK!=(':$!)! 5)0!M0!4)**&#>!.) / 3'$!G)7,%0!)%![XDX^!DIV8DIVV_!.)#!)$$&$%!F&%=!:,)$(#)M*,!)44(/ / (5)%&(#$!7(:!=('$&#>-!)4)5, / &4!7*,2&M&*&%0-!)#5!6(!.(#%)4%!n,%%,:$_!<=,!9,)#!(7! G%'5,#%$!F&**!7(:F):5!)#0!:,3(:%$!&#@(*@&#>!3(%,#%&)*!H:(=&M&%,5!.(#5'4%!%(!%=,!.&@&*! A&>=%$!)#5!<&%*,!"C!W77&4,_!
Z,:c'$!O)**!
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[XDX^!DIV8DPP;!

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E#0!&#5&@&5')*! /)0! /)c,!)#!)#(#0 / ('$!:,3(:%!4(#4,:#&#>!)#!)4%!(7!H:(=&M&%,5!.(#5'4%_!E#! &#5&@&5')*! /)0!:,3(:%!%=,!&#4&5,#%!F&%=('%!5&$4*($&#>!%=,&:!#) / ,-!&5,#%&70&#>!%=,!:,$3(#5,#%-!(:! :,U',$%&#>!)#0!)4%&(#_!9,3,#5&#>!(#!%=,!,2%,#%!(7!&#7(: /)%&(#!)@)&*)M*,!)M('%!%=,!&#4&5,#%!(:!%=,!

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F F F_(20_,5 'L4&@&*8:&>=%$8%&%*,8&2_!!
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<=,! . &@&*!A&>=%$!B!<&%*,!"C! . ((:5&#)%(:!F&**!:,4,&@,!%=,!)#(#0 / ('$!:,3(:%!)#5!F&**!5,%,: / &#,!)#0!)33:(3:&)%,!$%,3$-!&#4* '5&#>!&#5&@&5 ')*!(:!4(/ / '#&%0!:, / ,5&,$!)$!)33:(3:&)%,-!)#5!&#!4(#$ '*%)%&(#! F&%=!%=,! . *, :0!<,) / -!4(/ 3*&)#4,!F&%=!)**! . *, :0!E4%!(M*&>)%&(#$_!

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T_G_!9 ,3):% / ,#%!(7!15 '4)%&(#!W77&4,!7(:! . &@&*!A&>=%$-!G)#!N:)#4&$4(!!
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E#0!, / 3*(0, ,! /)0!3 ' :$ ' ,!)#0!4=):>,!(7!5&$4:& / &#)%&(#!(:!=):)$$ / ,#%!F&%=!%=,! .)*&7(:#&)! 9 ,3):% / ,#%!(7!N)&:!1 / 3*(0 / ,#%!)#5!O('$&#>![\ 9 N 1 O]^!(:!%=,!7,5, :)*!1U ')*!W33(:% '#&%0! 1 / 3*(0 / ,#%! . (/ / &$$&(#![\ 1 1W .]^_!"%!&$! '#*) F7 '*!%(! :,%)*&)%,!)>)&#$%!)#0!, / 3*(0, ,!7(:! (33($&#>!%=,!3:)4%&4,$!3:(=&M&%,5!M0!%=,! .)*&7(:#&)!N)&:!1 / 3*(0 / ,#%!)#5!O('$&#>!E4%!(:! 4(/ 3):)M*,!7,5, :)*!*) F!(:!7(:!7&*&#>!)!4(/ 3*)&#%!F&%=-!(:!7(:!(%=,:F&$,!3):%&4&3)%&#>!&#!)#! &#@,$3),0402(:%)0 . 2(&)0 . 2-((7! . 2(4)0 . 2(,)0 . 2(,)0 . 4(5&)0#>- . 2:! . 2(=,)0 . 7())0 . 0 . 2)0 . . 2 . 2(

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K+??7D&'($!Q$4-+D$-!49@!G$<$@'$-!

T3(#!:,4,&3%!(7!)!:,3(:%-!%=,!.(**,>,!F&**!3:(@&5,!:,)$(#)M*,!)#5!)33:(3:&)%,!$'33(:%&@,!/,)$':,$!5,$&>#,5!%(!3:,$,:@,!,U')*!)44,$$!%(!%=,!.(**,>,?$!3:(>:)/$!)#5!)4%&@&%&,$-!)#5!%(!3:(%,4%!%=,!3):%&,$!&#@(*@,5_!<=,!.(**,>,!F&**!/)c,!:,)$(#)M*,!,77(:%$!%(!4(//'#&4)%,!F&%=!%=,!3):%&,$!%(!,#$':,!%=)%!)**!$)7,%0-!/(%&(#)*!)#5!3=0$&4)*!F,**8M,&#>!4(#4,:#$!):,!M,&#>!)55:,$$,5_!G'33(:%&@,!/,)$':,$!/)0!M,!&/3*,/,#%,5!:,>):5*,$$!(7!F=,%=,:!7(:/)*!5&$4&3*&#):0!)4%&(#!&$!$('>=%!M0!%=,!4(/3*)&#)#%!(:!%=,!.(**,>,-!)#5!:,>):5*,$$!(7!F=,%=,:!%=,!4:&/,!&$!:,3(:%,5!%(!.)/3'$!G)7,%0!(:!*(4)*!*)F!,#7(:4,/,#%_!"#%,:&/!$'33(:%&@,!/,)$':,$!):,!)@)&*)M*,!%(!M(%=!4(/3*)&#)#%$!)#5!:,$3(#5,#%$_!

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E!4(/3*)&#)#%!(:!:,$3(#5,#%!/)0!:,U',$%!)!#(84(#%)4%!5&:,4%&@,!(:!(%=,:!3:(%,4%&(#-!(:!%=,!.(**,>,!/)0!4=(($,!%(!&/3*,/,#%!$'33(:%&@,!/,)$':,$!)%!&%$!5&$4:,%&(#!%(!,#$':,!%=,!$)7,%0!(7!)**!3):%&,$-!%=,!M:()5,:!.(**,>,!4(//'#&%0-!)#5L(:!%=,!&#%,>:&%0!(7!%=,!3:(4,$$_!<=,!.(**,>,!F&**!/)&#%)&#!%=,!3:&@)40!(7!)#0!:,/,5&)*!)#5!$'33(:%&@,!/,)$':,$!3:(@&5,5!'#5,:!%=&$!H(*&40!%(!%=,!,2%,#%!3:)4%&4)M*,!)#5!,24,3%!%(!%=,!,2%,#%!%=)%!5(&#>!$(!&/3)&:$!%=,!)M&*&%0!(7!%=,!&#$%&%'%&(#!%(!3:(@&5,!%=,!$'33(:%&@,!/,)$':,$_!N(:!,2)/3*,-!%(!,77,4%')%,!)!=('$&#>!4=)#>,-!$%)77!)%!A,$&5,#%&)*!15'4)%&(#!)#5!O('$&#>!G,:@&4,$!F&**!M,!&#7(:/,5!(7!%=,!#,,5!%(!)$$&$%!F&%=!)!=('$&#>!4=)#>,!)$!5&:,4%,5!M0!%=,!.&@&*!A&>=%$!B!<&%*,!"C!.((:5&#)%(:!M'%!F&**!#(%!M,!3:(@&5,5!F&%=!)#0!(7!%=,!5,%)&*$!

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G'33(:%&@,!)#5!3:(%,4%&@,! / ,)$':,$!F&**!M,!& / 3*, / ,#%,5!)%!%=,!5&$4:,%&(#!(7!%=,!. (**,>,_!H(%,#%&)*! / ,)$':,$! /)O!&#4*'5,S!

d E44,$$!%(!4('#$,*&#>!$,:@&4,$!)#5!)$$&$%)#4,!&#!$4=,5'*&#>-!M(%=!(#!)#5!(77!4) / 3'$`!

d " / 3($&%&(#!(7! / '%')*!4) / 3'$!\#(84(#%)4%!5&:,4%&@,`]!

d A,$4=,5'*&#>!(7!,2) / $!)#5!)$$&># / ,#%$`!

d H:(@&5&#>!)*%,:#)%&@,!4(':$,!4(/ 3*,%&(#!(3%&(#$-!4=)#>,!&#!4*)$$!$4=,5'*,-!&#4*'5&#>!%=,!)M&*&%O!%(!%)c,!)#!\&#4(/ 3*,%,-]!5:(3!)!4(':$,!F&%=('%!3,#)*%O!(:!%:)#$7,:!$,4%&(#$`!

d . =)#>,!&#!F(:c!$4=,5'*,!(:!h(M!)$$&>#/,#%`!

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3 99'7+69"/6+%'8'"5,6 S 6L$'/')5&%6F'9+6*

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4(#7&5,#%&)*!$'33(:%_!
O,::&4c!"#%,:7)&%=!.,#%,:!
[FFF_(20,5'L$%'5,#%8*&7,L:,$('::4,8'33(:%L(:$*](FFF_(20,5'L$%'5,#%8*&7,L:,$('::4,$8$'33(:%L(:$*)!
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,/3*(0,,$?!=,)*%=!)#5!,77,4%&@,#,$$!)%!=(/,!)#5!)%!F(:c_!E5/&#&$%,:,5!M0!<=,!G%)#5):5!
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,@,:05)0!4(#4,:#$!%(!$,:&('$!3:(M*,/$_!<=,!1/3*(0,,!E$$&$%)#4,!H:(>:)/!&$!)@)&*)M*,!%(!
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3=0$&4)*!&#h':0!$'$%)&#,5!7:(/!)#!)$$)'*%-!3=0$&4)*!(:!$,2')*-!):,!:,U'&:,5!M0!$%)%,!*)F!%(!
:,3(:%!%=,!)$$)'*%!%(!*)F!,#7(:4,/,#%_!
[FFF_(20,5'L$%'5,#%8*&7,L:,$('::4,8'33(:%L//(#$8F,**#,$$84,#%,:](FFF_(20,5'L$%'5,#%8*&7,L:,$('::4,8'33(:%L//(#$8F,**#,$$84,#%,:)!
[XDX^!DIV8DPIQ!

3U06VW1X6=+%$%'(+6

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[XDX^!XK;8K;K;!
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H:(=&M&%,5!.(#5'4%!'#5,:!%=&$!H(*&40S!9&$4&3*&#):0!A,$(*'%&(#-!F=&4=!&#@(*@,$!)#!&#@,$%&>)%&(#-!
)#5!&7!)33:(3:&)%,-!%=,!&/3($&%&(#!(7!$)#4%&(#$-!)#5!E5)3%)M*,!A,$(*'%&(#-!F=&4=!&#4*'5,$!
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/)&#%)&#!)#!,#@&:(#/,#%!7:,,!7:(/!)$$/,#%!)#5!5&$4:&/&#)%&(#_!
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H:(4,5&#>$!'#5,:!%=&$!H(*&40!/)0!M,!4)::&,5!('%!3:&(:!%(-!$&/'*%)#,('$*0!F&%=-!(:!7(**(F&#>!4&@&*!
(:!4:&/&#)*!3:(4,5&#>$!(77784/3'$_!6,&%=,:!)!5&$/&$$)*!(:!M!F,#7(:4,/,#%!,:>):5&#>!3:($,4'%&(#!
#(:!%=,!('%4(/,!(7!)#0!4:&/&#)*!3:(4,5&#>!F&**!M,!4(#$&5,:,5!5,%,:/&#)%&@,!(7!F=,%=,:!)!
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d e =,%=,:!%=,!4(#5'4%!)$!)**,>,5!3:,$,#%$!)#!& / / &#,#%!)#5!$,:&('$!%=:,)%!%(!%=,!=,)*%=!(:! $)7,%0!(7!%=,! . (/ 3*)&#)#%! (:! (%=,:!3,:$(#$-! (:!%=)%!%=,!4(#5'4%!)$!)**,>,5!3:,@,#%$!%=,! . (**,>,!7:(/ !,#$':&#>!,U')*!)44,$$!%(!&%$!,5'4)%&(#!3:(>:) / !(:!)4%&@&%0_!!

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**+9+//&%,69"/63)J+/6Y',7"(-57)6*

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*+C5+,),69"/6: +%&0,6&(-6>U)+(,'"(,6"96;'#+6

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