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Y%6B&64:!N7:!Z![(A2%$$:!\7!V7!I?G?GK7!;66%#$,+-64"]&$%6$,#9&+#/&+66%663%#$0&'&:2+!$,!+-&98,/%&1"2&
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C11.4#5%#$1!(&%!)6%!($!>>gQW!'5!,#!$3%!)6%!)($%7!!Y,$%g!C11.4#5%#$1!(&%!#,$!)6%!.#!,&)%&7!!"!(5!(11.4#.#4!$3%5!%(&+/!$,!4.-%!/,6!$.5%!$,!2,5'+%$%!$3%57!!]%!16&%!/,6!23%2B!$3%!2,6&1%!2(+%#)(&!$,!1%%!A3%#!$3%!)($%1!0(++7!)
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^ %%B! >?! ! >>\$>>= >>\$>F!	"#0,&5 (+! C11%11 5 %#\$!	C@VC!\.1B!C11%115%#\$g! @6.2.)%!C11%115%#\$!+%!E+(/! ! [,&!U%(23%&1g!^(&#.#4!@.4#1!,0! @6.2.)%!.#!@\$6)%#\$1! ! @6.2.)%!\.1B!C11%115%#\$1!E,1%! M%4(+!\.1B!\$,!V,6#1%+,&1! ! C0\$%&!@6.2.)%g!C!U,,+B.\$!0,&! @23,,+1! !</td><td>!</td><td>Q7R7>?!</td></tr><tr><td>^ %%B! >0! ! >>\$>k= >>\$?X!</td><td>"#0,&5(+! C11%115%#\$! !</td><td>V3('\$%&!>?!! ! ^(\$23!\$3%!5,%!^,#)%&! !</td><td>] %3(,&! i 91%&-(\$.,#!\%',&\$! 0,&!C644.%!.#! ^,#)%&!ID6%!>?\$QK!</td><td>07P7W! 07P7>X! 07P7>Q! 07P7>1! 07P7>F! Q7R7>?!</td></tr><tr><td>^ %%B! >X! >>\$?Q= >?\$>!</td><td>V(&%&!Z! i 226'(\$.,#(+! C11%115%#\$!</td><td>! \%()!V3('\$%&!>G! ! U3(#B14#4!]&%(B!@\$(&\$1! ^%)#%1)(/!</td><td>L,2B!M.2%#16&%! N*(5!,'%#1!,#! >>\$?Q!(#)!2+,1%1!,#! >?\$kK!</td><td>!</td></tr><tr><td>^ %%B! >Q! >?\$?= >?\$k!</td><td>L ,2B! M.2%#16&%! N*(5!!</td><td>!</td><td>L ,2B!M.2%#16&%! N*(5!ID6%!>?\$kK!</td><td>07P7>= 07P7>F!</td></tr></tbody></table>		

>?\$k!

 $Q '\$1!j !C) - (\#2\%) g !@B. ++1! (\#) !6\#) \% \&1\$ (\#) .\#4!\% - .) \% \#\$! (\$! (\#!\%*2\%'\$. ,\#(+!+\%-\%+! X!'\$1!j !E\&, 0.2.\% \#\$g !@\$\& ,\#4!+\%-\%+! ,0! 5 (1\$\%&/! ,0!1B. ++1! (\#) !6\#) \% \&1\$ (\#) .\#4! \\ 0! '\$1!j !] (1.2g! 8 \#) \% \&1\$ (\#) .\#4! ,0!2 ,\#2\%' \$181B. ++1!\% - .) \% \#\$!! \\ ?! '\$1!j !D\%-\%+ , '. \#4g! "#!' & ,2\%11! ,0!) \%-\%+ , '. \#4!6\#) \% \&1\$ (\#) .\#4! ,0!2 ,\#2\%' \$1! (\#) !1B. ++10!4\& ,A\$3! \\ \#\%\%) \%)! \\ >! '\$!$

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$3&,643,6$!$3%!26&&.26+65!(#)!2+.#.2(+!%*'%&.%#2%7!^%!.#-.$%!).-%&1.$/!(#)!0,1$%&!(!26+$6&%!,0!
.#2+61.,#!$3($!16'', &$1!56+$.'+%!).5%#1.,#1!,0!26+$6&%!$3($!.#2+6)%1!&(2%:!%$3#.2.$/:!4%#)%&!
.)%#$.$/:!1%*6(+!,&.%#$($.,#:!&\\)+.4.,61!(00.+.($.,#:!1'.&.\$6(+.\$/:!\#(\$.,\#(+.\$/:!\\)\.1(9.+.\$/:!).1(9.+.\$/:!\)
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(#)!.#2+61.,#!0,&!0(26+$/:!1$(00:!1$6)%#$1:!(#)!5%59%&1!,0!$3%!2,556#.$.%1!A%!1%&-%7!^%!%)62($%!
 ,6&!0(26+$/!(#)!1$6)%#$1!$,!9%!1,2.(+!`61$.2%!()-,2($%1!0,&!5(&4.#(+.;%)!','6+($.,#1!(#)!).&%2$!
 ,6&!26&&.26+65!$,!&%0+%2$!$3%!).-%&1.$/!,0!,6&!2,556#.$.%1!(#)!%+%-($%!(A(&%#%117!
U3\%!V, 6\#1\%+.\#4!E\&, 4\&(5!.1!2, 55.\$\%)!\$, !96.+).\#4!(!0(26+\$/:!1\$(00:!(\#)!1\$6)\%\#\$!9,)/!\$3(\$!\&\%0+\%2\$1!
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U3\%!V, 6\#1\%+.\#4!E\&, 4\&(5!.1!2,55.\$\%)!\$, !5(B.\#4!\&\%(1,\#(9+\%!\%00,\&\$1!\$,!(11.1\$!.\#).-.)6(+1!A.\$3!)
).1(9.+.$.%1!.#!$3%.&!%00,&$1!$,!(-(.+!$3%51%+-%1!,0!1%&-.2%1!(#)!'&,4&(51!,00%&%)!9/!8ML7!U,!$3.1!
\%1: 8ML!A.++!'^{4}, -.)1: \%3: \%4: \%4: \%6: \%6: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8: \%8:
).1(9.+.$.%17!"0!/,6!3(-%!(!).1(9.+.$/!(#)!0%%+!/,6!#%%)!(22,55,)($.,#1!.#!$3.1!2,6&1%:!/,6!561$!
'&%1%#$!(!+%$$%&!$,!5%!0&,5!$3%!@%+0=D%-%+,'5%#$:!V,6#1%+.#4:!(#)!@'%2.(+!C22,55,)($.,#1!
V\%\%\%\%!(\$|8ML!.\#).2(\$.\#4!\$3\%!\%*.1\$\%\#2\%!,0!(!).1(9.+.\$/!(\#)!\$3\%!1644\%1\$\%)!(22,55,)(\$.,\#17!"0!/,6!
#%%)!(22,55,)($.,#!9%2(61%!,0!(!B#,A#!,&!161'%2$%)!).1(9.+.$/:!/,6!13,6+)!2,#$(2$!$3%!D.&%2$,&!
0,&!D.1(9+%)!@$6)%#$!@%&-.2%1!($!O>k=OX?=Q??G!,&!2+.2B!3%&%!0,&!$3%!@%+0=D%-%+, '5%#$:!
V,6#1%+.#4:!(#)!@'%2.(+!C22,55,)($.,#1!V%#$%&!A%91.$%7!8MLT1!,00.2.(+!(22,55,)($.,#1!
46.)%+.#%1!(#)!',+.2.%1!(&%!0,6#)!<u>3%&%</u>7!!!!
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$4 "&/+=6&"1&!-+668&
                                               "0!/,6!%#2,6#$%&!(#/!6#0,&%1%%#!2.&2651$(#2%1!)6&.#4!$3%!1%5%1$%&!$3($!
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$3% 5!.#!(!$. 5 %+/! 5 (##%&7!
                      !U3.1!.1!(#!,#+.#%!2+(117!!@$6)%#$1!561$!#,$%!$3%!)6%!)($%1!0,&!(11.4#5%#$1!.#!
V(\#-(17!@\$6)\%\#\$1!(\&\%!\&\%a6.\&\%)!\$, !23\%2B!\$3\%.\&!8ML!\%=5(.+1!)(.+/7!
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                       !C2()%5.2!"#$%4&.$/g![(26+$/!(#)!1$6)%#$1!561$!,91%&-%!$3%!8ML!'69+.13%)!
',+.2/!,#!C2()%5.2!D.13,#%1$/7!E+%(1%!9%!()-.1%)!$3($!$3%!6#.-%&1.$/T1!',+.2/!&%4(&).#4!
(2()\%5.2!3, \#\%1\$/!.1!\&.4, \&, 61+/!0, ++, A\%)!\$3\&, 643, 6\$!\$3.1!1\%5\%1\$\%\&!.\#!\$3.1!2+(117!Y, !23\%(\$.#4!A.++!)
9%!(++, A%):!(#)!.$!A.++!9%!&%', &$%)7!C++!'('%&1!A.++!9%!23%2B%)!0, &!'+(4.(&.157!
!
                              !C$!(!5.#.565:!1$6)%#$1!(&%!%*'%2$%)!$,!2,5'+%$%!$3%!,#+.#%!2,6&1%!
%-(+6($.,#7!@$6)%#$1!(&%!1$&,#4+/!%#2,6&(4%)!$,!'&,-.)%!0%%)9(2B!$,!$3%!.#1$&62$,&!(9,6$!$3%.&!
%*'%&.%#2%!.#!2+(11!(#)!+%$!$3%!.#1$&62$,&!B#,A!.0!$3%/!#%%)!%*$&(!16'',&$!,&!(+$%&#($.-%!+%(&#.#4!
(2$. - .$.%17!
                    !"#0, & 5 ($., #!(9,6$!8ML!1$6)%#$!1%&-.2%1:!1623!(1!@$6)%#$!@622%11!V%#$%&!
I
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8ML!V,6#1%+,&!N)62($.,#!'&,0%11,&1!$(B%!).1&%1'%2$06+!9%3(-.,&!-%&/!1%&.,61+/!(#)!$361!
%#2,6&(4%!%-%&/!1$6)%#$!$,!%*$%#)!$3%!1(5%!&%1'%2$!$3%/!A.13!$,!&%2%.-%!$,!%-%&/,#%!%+1%?!!
                        !"#1$&62$,&1!A.++!3(-%!(11.4#5%#$1!4&()%)!A.$3.#!F!)(/1!(0$%&!$3%!)6%!
)($%!3(1!'(11%)7!"#1$&62$, &!A.++!&%1',#)!$, !%5(.+1!A.$3.#!Xk!8ML!, '%&($.#4!961.#%11!3,6&17!"0!Xk!
3,6&1!3(-%!'(11%)!A.$3!#, \langle \langle 1',#):\langle \langle 1'\langle 2\langle 62\langle 1. \text{#1!}
!
                 g!Y,!(11.4#5%#$1!A.++!9%!(22%'$%)!(0$%&!$3%!+(1$!)(/!,0!2+(117!M($%!(11.4#5%#$1!
5 (/!9%!(22% '$%)!($!$3%!).12&%$.,#!,0!$3%!'&,0%11,&!A.$3!(!'%#(+$/!,0!>GH!)%2&%(1%!.#!4&()%!'%&!
)(/7!
!
                               !b!"0!/,6!3(-%!(#!.116%!$3($!.1!B\%'.#4!/,6!0\&,5!2,5'+\$.#4!
A,&B:!'+%(1%!#,$.0/!5%!A.$3.#!,#%!A%%B7!!"!(5!A.++.#4!$,!A,&B!A.$3!1$6)%#$1!A3,!#%%)!
(11.1\$(#2\%:!3, A\%-\%\&!"!2(##, \$!5(B\%!(22, 55,))(\$., #1!.0!(!1\$6)\%#\$!), \%1!#, \$!#, \$.0/!5\%!.#!(!\$.5\%+/!
5 (##%&7!!"0!"! (5 !#, $!#, $.0.%) !A.$3.#!, #%!A%%B:!$3%!&%46+(&!+($%!', +.2/!A.++!(''+/7!
!
                 g!U3%!8#.-%&1.$/!,0!M,6.1.(#(!($!L,#&,%!1$&.-%1!$,!1%&-%!1$6)%#$1!A.$3!1'%2.(+!
#%%)1!\$3\&,643!2,5'+.(\#2\%!A.\$3!\@\%2\$.,\#1!\QGX!,0!\$3\%!\\\$3(9.+.\$(\$.,\#!\C2\$!,0!\>\WFO!(\#)!\$3\%!
C 5 %&.2(#1!A.$3!D.1(9.+.$.%1!C2$7!U3%1%!+(A1!5 (#) ($\%!$3(\$!', 1\$1\%2, \#) (\&/!.\#1\$.\$6\$., \#1!'\&, -.)\%!
%a6(+!(22%11!$,!'&,4&(51!(#)!1%&-.2%1!0,&!1$6)%#$1!A.$3!).1(9.+.$.%1!A.$3,6$!2&%($.#4!23(#4%1!$,!
$3%!%11%#$.(+!%+%5%#$1!,0!$3%!26&&.26+657!^3.+%!1$6)%#$1!A.$3!1'%2.(+!#%%)1!(&%!%*'%2$%)!$,!5%%$!
, 6&!.#1$.$6$.,#f1!(2()\% 5.2!1$(#)(\&)1:!\$3\%/!(\&\%!4.-\\#!\$3\\%!, '\,\&\$6\#.\$/!\$,!06\+0.++!\+\\(\&\#\\&!,6\$2,5\\%!\.\#!
2+(11&, , 51:!'%&5.11.,#!$,!(6).,$('%!+%2$6&%1:!#,$%=$(B.#4!(11.1$(#2%:!(#)!2,6&1%!1691$.$6$.,#17!
!
"#0, & 5 ($., #!(9,6$!8ML!1$6)%#$!1%&-.2%1!2(#!9%!0,6#)!-.(!$3%1%!+.#B1g!!
@$6)%#$!@622%11!V%#$%&!AAA76+57%)6$1$6)%#$1622%11!
V,6#1%+.#4!V%#$%&!AAA76+57%)6$2,6#1%+.#42%#$%&$!
@'%2.(+!Y%%)1!($!AAA76+57%)6$1$6)%#$(00(.&1$!
M.9&(&/!AAA76+57%)6$+.9&(&/$&%0%&%#2%73$5+!
```

```
V, 5 '6\$.#4!V\\#\$\\&!R\\+'!D\\1B!AAA76\+57\\)6\$2, 5 '6\$.#42\\#\$\\&\$3\\\+')\\1B!!
8MLT1!',+.2.%1!,#!1%&-.#4!1$6)%#$1!A.$3!).1(9.+.$.%1!2(#!9%!,9$(.#%)!,#!$3%!8ML!A%91.$%!g!!
AAA76+57%)6$2,6#1%+.#42%#$%&$!!
"0!/,6!#\%)!(22,55,)(\$.,#!9\%2(61\%!,0!(!B\#,A\#!,\&!161'\%2\$\%)!).1(9.+.\$/:!/,6!13,6+)!2,#\$(2\$!\$3\%!)
D.\&\%2\$,\&!0,\&!D.1(9+\%)!@\$6)\%\#\$!@\%\&-.2\%1!(\$g!)
E3,#%g!!0>k=0X?=Q??G!!
[(*g!O>k=OX?=Q??k!!
^ (+B="#g! 8 M L !V , 6#1%+.#4!V%#$%&:!>>XG! 8 #. - %&1.$/!C - %#6%!I$3.1!96.+).#4!(#)!&, , 5!(&%!
3(#).2(''%)!(22%11.9+%K7!
!
"0!/,6!(\&\%!3(-.\#4!(\#/!\%5,\$.,\#(+:!9\%3(-.,\&(+:!,\&!1,2.(+!'\&,9+\%51!(\#)!A,6+)!+.B\%!\$,!\$(+B!A.\$3!(!
2(&.#4:!2,#2%&#%)!'&,0%11.,#(+:!'+%(1%!2(++!,#%!,0!$3%!0,++,A.#4!#659%&lg!
U3%!8ML!V,6#1%+.#4!V%#$%&g!!0>k=0X?=0??G!
!
\ % 5 % 5 9%&!$3($!(++!1%&-.2%1!(&%!,00%&%)!0&%%!$,!1$6)%#$1:!(#)!(++!(&%!1$&.2$+/!2,#0.)%#$.(+7!!
U.$\%!"p!,0!$3\%!N)62(\$.,#!C5\%#)5\%#$1!,0!>\WF?!'\&,3.9.\$1!\%*!).12\&.5.\#(\$.,\#!(4(.\#1\$!(\#/!
'(&$.2.'(#$!.#!(#!%)62($.,#(+!'&,4&(5!,&!(2$.-.$/!$3($!&%2%.-%1!0%)%&(+!06#)1:!.#2+6).#4!0%)%&(+!
+, (#1!(#)!4&(#$17![6&$3%&5,&%:!U.$+%!"p!'&,3.9.$1!1%*!).12&.5.#($.,#!$,!.#2+6)%!1%*6(+!
5.12,#)62$:!1%*6(+!-.,+%#2%:!1%*6(+!3(&(115%#$!(#)!&%$(+.($.,#7!"0!/,6!%#2,6#$%&!1%*6(+!
3(&(115%#$!, &!4%#)%&=9(1%)!).12&.5.#($.,#:!'+%(1%!2,#$(2$!$3%!U.$+%!"p!V,,&).#($,&!($!0>k=0X?=
>GGXo!/,6!5(/!(+1,!0.+%!(!2,5'+(.#$!,#+.#%:!?X!3,6&!!(!)(/:!($g!!AAA76+57%)6$$.$+%.*&
!
!
```