! "#$%&%'%&"#(")(*+,-.,/0(!"'#/&1(
2#&34-$&%0(")(5"'&$&,#,(,%(6"#-"4((
!"11474(")(*+,-.,/0((
6"#-"48(59(
9:";%4:<(=4;%4.>4-(?? (@A@B(
(

!"#$%&'()*+, -'(

(

9C D+4(#,.4(")(%+&$("-7,#&E,%&"#($+,11(>4(%+4(*+,-.,/0(!"'#/&18(,1$"(-4)4--4:(%"(,$(*+,-.,/0(
=%':4#%(!"'#/&18(!"'#/&18("-(*!(")(%+4(256(!"11474(")(*+,-.,/08(+4-4,)%4-(-4)4--4:(%"(,$(%+4(
!"11474C(
(

!"#$%&'())*./"012'(,34(!/#51"$#6(

(

F48(%+4($%':4#%$(")(%+4(!"11474(")(*+,-.,/0(+4-4>0(4$%,>1&$+(%+&$(!"#$%&%'%&"#(%"(;-"."%4(%+4(
74#4-,1(G41),-4(,#:(>4$%(&#%4-4$%(")(%+4(!"11474C(F4($+,11(;-"."%4(/""-:&#,%&"#(,#:(/"11,>"-,%&"#(
>4%G44#(%+4(3,-&"'$(&#%4-4$%(7-"';$(G&%+&#(%+4(!"11474(,#:(;-"3&:4()"-(%+4(4H;-4$$&"#(")($%':4#%(";&#&"#$(
"#(,11(.,%%4-$(")(&#%4-4$%(%"($%':4#%$C(D+&$(!"'#/&1($+,11(,/%(%"(:4341";(,(.4,#&#7)'1(4H/+,#74(")(&:4,$(
>4%G44#($%':4#%$8($%,))8(),/'1%08(,#:(,:.&#&$%-,%&"#8(,#:(%"(4H4-/&$4("'-(/,;,/&%0()"-($41)I7"34-#.4#%CC(
(
D+4(;'-;"$4(")(%+4(*+,-.,/0(!"'#/&1(G&11(>4<(
(
9C D"(;-"."%4("-7,#&E,%&"#,1(,/%&3&%&4$(")(%+4(!"11474C((
JC D"(;-"3&:4(,#("))&/&,1(3"&/4(%+-"'7+(G+&/+($%':4#%(";&#&"#$(.,0(>4(4H;-4$$4:(G&%+&#(%+4(
!"11474(")(*+,-.,/0C(
!C D"(4#+,#/4(/"..'#&/,%&"#(,#:(/"11,>"-,%&"#(>4%G44#(;-")4$$&"#,1(,#:($"/&,1(
"-7,#&E,%&"#$(G&%+&#(%+4(!"11474C(
KC D"($4-34(,$(,(.4:&,%"-(>4%G44#(%+4($%':4#%$8(),/'1%08(,#:(,:.&#&$%-,%&"#(")(%+4(!"11474(%"(
4#+,#/4(%+4(L',1&%0(,#:($/";4(")(4:'/,%&"#(G&%+&#(%+4(!"11474(")(*+,-.,/0C(
MC D"(;-"3&:4()"-(%+4(,/,:4.&/8(;-")4$$&"#,18(,#:(74#4-,1(G41),-4(")(%+4($%':4#%$(G&%+&#(%+4(
!"11474C(
(
D+4(*+,-.,/0(!"'#/&1(+,$(%+4(,'%+"-&%0(%"(:"(%+4()"11"G&#7<(
(
9C *-".."%4(,#0("%+4-()'#/%&"#$(:44.4:(#4/4$$,-0(>0(%+4(*+,-.,/0(!"'#/&1C(
JC

,C 9 11(. 4 . >4-$(")(%+4(* ! ($+ , 11(>4(/ ' --4#%10(-47&$%4-4 : (=% ' : 4#%(*+ , - . , / &$%$(&#(%+4(2 5 6 (
! "11474(")(*+ , - . , / 08(G+4-4(=% ' : 4#%(*+ , - . , / &$%(&$(: 4)&#4 : (, $(, ($% ' : 4#%(, : . &%%4 : (%"(, # : (
/ ' --4#%10(4#-"114 : (&#(7" " : ($% , # : &#7(&#(%+4(; + , - . , / 0(; -")4$$&"# , 1(: 47-44(; -"7- , . C(
6 4 . >4-$+& ; ("-(%+4(>4#4)&%$(%+4-4")($+ , 11(#"%(>4(: 4#&4 : ("#(%+4(> , $&$(")(- , / 48(/ "1"-8(
-41&7&"#8($4H ' , 1("-&4#% , %&"#8(# , %&"# , 1("-&7&#8(, 748(74# : 4-8("-(: &$, >&1&%OC(
(

J C

&C K&$%-&>'%&#78(/"114/%&#78(,#:()&1&#7(-"11($+44%$()"-(4,/+(/1,$$(,#:(.,#:,%"-0(434#%$C((

&&C !"..'#&/,%&#7(-4143,#%8(#"#I$4#$&%&34(&#)"-.,%&"#()-".(%+4(*+,-.,/0(!"'#/&1(%"(%+4&-(/1,$$4$C(

&&&C =/+4:'1&#7(,(D"G#(Q,11(6 44%&#7(4,/+(4.4%4-(G&%+(%+4(K4,#C((

&3C !"114/%&#7(/1,$$(DI$+&-%($&E4$(,%(%+4(>47&##&#7(")(434-0(),11(4.4%4-(,#:($'>.&%%&#7(%+,%(&#)"-.,%&"#(%"(%+4(N=*9C(

3C 6":4-,%&#7(%+4&-(/1,$$^$($"/&,1(.4:&,(,#:(/"..'#&/,%&"#(;1,%)"-.$(\&4C(P-"'; 6 4](

/C 6 44%&#7$(

&C !1,$$(U4;-4$4#%,%&34$($+,11(,%%4#:(!"'#/&1(.44%&#7$(,$("'%1&#4:(&#(9-%&/14(B(=4/%&"#(!C(

&&C !1,$$(U4;-4$4#%,%&34$($+,11($/+4:'14(,%(14,$%("#4(.44%&#7(;4-($4.4$%4-(;-&"-(%"(%+4($%,-%(")(%+4(4.4%4-(G&%+(%+4(!"'#/&1(9:3&$"-(,#:(%+4(!"'#/&1(*-4$&:4#%C(

&&&C !1,$$(-4;-4$4#%,%&34$($+,11(.44%(,1"#7$&:4(%+4(!"'#/&1(MH4/'%&34(J",-:(,#:(%+4(!"'#/&1(9:3&$"-(%"(-43&4G(,#:(;-";"$4(/+,#74$(%"(%+4(O,11(,#:(=;-&#7(MH,.(=/+4:'14C((

:C *?(U4;-4$4#%,%&34$(,-4(,::&%&"#,110(-4$;"#$&>14()"-<(

&C !-4,%&#7(%+4&-(/1,$$(+"1&:,0(>",-:(&#(%+4(),11(4.4%4-(")(*?(04,-(

&&C =/+4:'1&#7(,#(,::&%&"#,1(.44%&#7(G&%+(%+4(!"'#/&1(9:3&$"-(,#:["-(%+4(!"'#/&1(*-4$&:4#%(,$($%,%4:(,>"34(&#(%+4&-()&-$%(O,11(=4.4$%4-C(

(

MC *"G4-$(,#:(K'%&4$(")(N-7,#&E,%&"#(U4;-4$4#%,%&34$<(

,C N-7,#&E,%&"#(U4;-4$4#%,%&34(,-4(-4$;"#$&>14()"-<(

&C !"..'#&/,%&#7(-4143,#%(&#)"-.,%&"#()-".(%+4(*+,-.,/0(!"'#/&1(%"(%+4&-(.4.>4-$C((

&&C 9:3"/,%&#7()"-(%+4&-("-7,#&E,%&"#("#(.,%%4-$(")(%+4(*+,-.,/0(!"'#/&1C(

&&&C M#$'-&#7(%+4&-("-7,#&E,%&"#$(-4;-4$4#%,%&"#(,%(!"'#/&1I$;"#$"-4:(434#%$8(R)(#"%(%+-"'7+(%+4.4134(%+4#(%+-"'7+(,#(,;;"&#%4:(1&,&$"#C(

&3C 9::&#7(/'--4#%(434#%$(%"(%+4(>&G44a10(,74#:,(%"(,::-4$$(&#(%+4(!"'#/&1(6 44%&#7$C(

>C

)C R#(74#4-,1(. 44%&#7$8(%+4(*-4$&:4#%("#10(3"%4$(%"(>-4,a(%&4$C(

7C D+4(*-4$&:4#%(G&11($4-34(,$(%+4($%':4#%(/"#%,/%()"-(%+4(9$$&$%,#%(K4,#(")(=%':4#%(9)),&-$(,#:(K4341"; . 4#%C(

+C D+4(*-4$&:4#%(&$(-4$;"#$&>14()"-("-:4-&#7(,#:(;-4$4#%&#7(+"#"-(/"-:$(%"(%+4(7-,:',%&#7($%':4#%$(%+,%($4-34:("#(* ! (,%(+&$[(+4-(G+&%4(/",%(/4-4 . "#0C(

&C D+4(*-4$&:4#%(. ,08(&)(/&-/' . $%,#/4$(,-&$48(4#1&$%("-(:4)4-(,#0(")(%+4$4(-4$;"#$&>&1&%&4$(%"(,( )411"G(*+,- . ,/0(! "'#/&1(. 4 . >4-(,$(:44 . 4:(,;;-";-&,%4(>0(%+4(4H4/'%&34(/" . . &%%44C(

(

PC *"G4-$(,#:(K'%&4$(")(%+4(V&/4I*-4$&:4#%(")(*+,- . ,/0(! "'#/&1<((

,C D+4(V&/4I*-4$&:4#%($+,11(4H4/'%4(,11(:'%&4$(")(%+4(*-4$&:4#%(&#(%+4&-(,>$4#/4C(

>C D+4(V&/4I*-4$&:4#%($+,11(/""-:&#,%4(%+4(/" . ;&1,%&"#(")("-7,#&E,%&"#,1(434#%$()"-(. "#%+10(G4>$&%4(';:,%4$C(

/C D+4(V&/4I*-4$&:4#%($+,11(,$$&$%(%+4(*-4$&:4#%(&#(,11(414/%&"#(;-"/4$$4$(%+,%(,-4(%+4(-4$;"#$&>&1&%0(")(%+4(! "'#/&1C(

:C D+4(V&/4I*-4$&:4#%($+,11(>4(-4$;"#$&>14()"-(%+4(/" . . '#&/,%&"#(>4%G44#(%+4(1&,&$"#$(,#:(*M*($%':4#%$C((

(

QC *"G4-$(,#:(K'%&4$(")(%+4(=4/-4%,-0(")(*+,- . ,/0(! "'#/&1<((

,C D+4(=4/-4%,-0($+,11(a44;(,(-4/"-:(")(,%%4#:,#/4(,#:(. &#'%4$(")(,11(. 44%&#7$(")(%+4(*+,- . ,/0(! "'#/&1C(D+4(=4/-4%,-0($+,11(>4(-4$;"#$&>14()"-(%+4(%& . 410(;'>1&/,%&"#(")(%+4(. &#'%4$(,)%4-(%+40(+,34(>44#(,;;-"34:C(

>C D+4(=4/-4%,-0($+,11(%,a4(/,-4(")(,11(/"--4$;"#:4#/4(&#(/"##4/%&"#(G&%+(%+4(* ! 8(G+&/+(G&11(&#/1':4(#"%&)&/,%&"#(")(. 4 . >4-$(,>"'%(. 44%&#7$(,#:(,;;-";-&,%4(#"%4$(")(7-,%&%':4(G+4#(#4/4$$,-0C(

/C D+4(=4/-4%,-0($+,11(>4(-4$;"#$&>14()"-(%+4(. ,&#%4#,#/4(")(,11(;4- . ,#4#%(-4/"-:$(")(%+4(* ! C(

:C D+4(=4/-4%,-0($+,11(>4(-4$;"#$&>14()"-(%+4(;4-)"- . ,#/4(")(/14-&/,1(:'%&4$(,$$&7#4:(>0(%+4(*-4$&:4#%C(

4C D+4(=4/-4%,-08(,1"#7(G&%+(%+4(*-4$&:4#%8($+,11(>4(-4$;"#$&>14()"-("-7,#&E&#7(,#:(/" . ;14%&#7(/1,$$(414/%&"#$(,$("'%1&#4:(&#(%+4(* ! (! "#$%&%'%&"#C(

)C D+4(=4/-4%,-0(&$(-4$;"#$&>14()"-(%+4($/+4:'1&#78(/""-:&#,%&"#8(,#:(,;;-"3,1(")(,11(*+,- . ,/0("-7,#&E,%&"#$^()'#:-,&$4-$C((

7C D+4(=4/-4%,-0(&$(-4$;"#$&>14()"-($4#:&#7("'%(,(6 ,$%4-(! ,14#:,-(%"(,11(N-7,#&E,%&"#(U4;-4$4#%,%&34$(,#:($4#:(&%(%"(6 -$C(F 411$(>4)"-4(%+4($%,-%(")(%+4(O,11(=4 . 4$%4-C((

(

RC *"G4-$(,#:(K'%&4$(")(%+4(D-4,$'-4-(")(*+,- . ,/0(! "'#/&1<((

,C D+4(D-4,$'-4-($+,11(;4-)"- . (,11(%+4()'#/%&"#$(#4/4$$,-0(-47,-:&#7(a44;&#7(%+4()&#,#/&,1(-4/"-:$(")(%+4(*+,- . ,/0(! "'#/&18(G+&/+(&#/1':4$(. ,&#%,&#&#7(%+4(>,#a(,//"'#%(")(* ! (,1"#7(G&%+(%+4(),/'1%0(,:3&$"-C(

>C

XC ='//4$$&"#<((

,C R#(%+4(434#%(")(,(3,/,#/0(&#(%+4(;"$&%&"#(")(*-4$&:4#%(")(%+4(*+,-.,/0(!"'#/&18(%+4(

K(Z"(+,#:G-&%%4#(;"$%4-$(G&11(>4(,11"G4:(%+-"'7+"'%(%+4(/,.;,&7#&#7(;-"/4$$((*"$%4-$(.'$%(>4(;-&#%4:(,#:($+"'1:(#"%(>4(1,-74-(%+,#(,(%0;&/,1(;"$%4-(>",-:(\@@e(H(@fe]((

M(9#0(/,#:&:,%4(/,'7+%(:4),/&#7(:4$%-"0&#7("-(-4."3&#7(,#"%+4-(/,#:&:,%4^$(.,%4-&,1$(G&11(>4($'>S4/%(%"(,#(414/%&"#(3&"1,%&"#(,#:(;4#,1%O((

,(!,.;,&7#(.,%4-&,1(,&.4:(,%(:47-,:&#7("-($1,#:4-&#7(,#0("%+4-(/,#:&:,%4(&$($%-&/%10(;-"+&>&%4:(

O(!,#:&:,%4$(.,0(/,.;,&7#("#($"/&,1(.4:&,(;1,%)"-.$8(+"G434-8(%+4$4(;1,%)"-.$(,-4($%&11($'>S4/%(%"(/,.;,&7#(-'14$(,#:(.'$%(>4(;'>1&/()"-(%+4(T':&/&,1(!"..&%%44^$("34-$&7+%(((

P(!,#:&:,%4$(G&11(+,34(%"($/+4:'14(/1,$$-"".(3&$&%$(%+-"'7+(%+4(T':&/&,1(!"..&%%44(,$(%+4$4(434#%$(G&11(,1$"(>4($'>S4/%(%"(/,.;,&7#(-'14$((

,(V&$&%$(G&11(>4(1&.&%4:(%"(%G"(.44%&#7$(G&%+(4,/+(/1,$$("#/4(%+4(/,.;,&7#&#7(;4-&":(+,$(>47'#(((

Q(D+4(T':&/&,1(!"..&%%448(/".;"$4:(")("#4($%':4#%()-".(%+4(*?8(*@8(,#:(*B(/1,$$8(G&11(."#&%"-(4,/+(/,#:&:,%4$^(/,.;,&7#8(/""-:&#,%4(/1,$$(3&$&%$8(+"$%(,(g b 9($4$$&"#(:'-&#7(%+4(/,.;,&7#(;4-&":8(,#:(,1$"(-434,1(414/%&"#(-4$'1%$(G&%+("34-$&7+%()-".(%+4(!"'#/&1(9:3&$"-((

,(D+4(T':&/&,1(!"..&%%44(M14/%&"#$(G&11(%,a4(;1,/4(4,/+(O,11(=4.4$%4-(G+4#(/1,$$(414/%&"#$("//'-((

R(D+4(T':&/&,1(!"..&%%44(/,#(4#)"-/4(%+4(;4#,1%&4$(1&$%4:(>41"G(,$(%+40($44()&%<(

,(9(/,#:&:,%4^$()&-$%(/,.;,&7#(3&"1,%&"#(G&11(-4$'1%(&#(,(-4:'/%&"#(")()&34(\c](3"%4$()-".(%+4&-(%"%,1(%,11&4:(3"%4$((

>(9(/,#:&:,%4^$($4/"#:(/,.;,&7#(3&"1,%&"#(G&11(-4$'1%(&#(,(-4:'/%&"#(")(%4#(\?A](,::&%&"#,1(3"%4$()-".(%+4&-(%"%,1(%,11&4:(3"%4$((

/(9(/,#:&:,%4^$(%+&-:8(,#:(,#0($'>$4L'4#%(3&"1,%&"#\$](%+4-4,)%4-8(G&11(-4$'1%(&#(,(-4:'/%&"#(")()&)%44#(\?c](,::&%&"#,1(3"%4$()-".(%+4&-(%"%,1(%,11&4:(3"%4$((

(

!"#$%&'()@(*(.,"&$,-'3#,"6(!/#51"$#6(

(

D+4(-'14$(/"#%,&#4:(&#(U">4-%^$(U'14$(")(N-:4-(U43&$4:($+,11(7"34-#(%+&$("-7,#&E,%&"#(&#(,11(/,4(%"(G+&/+(%+40(,-4(,;;1&/,>148('#14$$(%+40(,-4(&#/"#$&$%4#%(G&%+(%+4(/"#$%&%'%&"#(,#:(>0I1,G$(")(%+&$("-7,#&E,%&"#((

(

(

!"#$%&'(@(*(!-'34-'3#2(

(

D+&$(/"#$%&%'%&"#($+,11(>4(,.4#:4:(&#(%+4()"11"G&#7(.,##4-<((

9(9(;-";"$,1()"-(,.4#:.4#%($+,11(>4($'>.&%%4:(&#(G-&%&#7(%"(%+4(*+,-.,/0(MH4/'%&34(!"'#/&1(,%(,(-47'1,-(.44%&#7(,#:()&14:(G&%+(%+4(*+,-.,/0(!"'#/&1(=4/-4%,-0(((

J(9($4/"#:(-4,:&#7($+,11(""//'-(,%(%+4(#4H%($/+4:'14:(.44%&#7(G+4-4(&%(G&11(>4(3"%4:(';"#(,#:(-4L'&-4(,(%G"I%+&-:$(3"%4(")(=4#,%4(.4.>4-$(%"(;,$$(((

!(9.4#:.4#%$(,:";%4:(>0(%+4(*+,-.,/0(!"'#/&1($+,11(7"(&#%"(4))4/%(&..4:&,%410(8'#14$$(,(%&.4(&$($;4/&)&4:(%+4-4&#(((

(

!"#$%&'(@)(*(AB7(?1&&':'(1((.5,"-,%6(D'82$#'(

(

9(911(.4.>4-("-7,#&E,%&"#$(-4;-4$4#%4:("#(%+4(*+,-.,/0(!"'#/&1($+,11(+,34(-4;-4$4#%,%&"#("#(%+4(!"11474^$(G4>$&%4((

J(M,/+("-7,#&E,%&"#($+,11(';:,%4(%+4&-(G4>;,74(4,/+(4.4%4-(%"(-4)14/%(%+4(/'--4#%(.4.>4-$8(.&#'%4$8(")),/4-$8(434#%$8(,#:("%+4-(&#)"-.,%&"#(:44.4:(#4/4$$,-0(>0(%+4("-7,#&E,%&"#((

!(M,/+("-7,#&E,%&"#($+,11($'>.&%(434#%$(%"(%+4(=4/-4%,-0(")(%+4(*+,-.,/0(!"'#/&1(>0(%+4(@c%+(:,0(")(4,/+(."#%+()"-(;"$%&#7(%"(%+4(=%':4#%($4/%&"#(")(%+4(G4>$&%4((

KC R%(&$(4#/"'-,74:(%+,%("-7,#&E,%&"#$('$4(%+4&-(G4>$&%4($;,/4(%"(4#/"'-,74(/" . .'#&/,%&"#(%"(>"%+(/'--4#%(,#:(;-"$;4/%&34($%':4#%$C(

MC R)(,#0("-7,#&E,%&"#(:"4$(#"%(';:,%4(%+4&-(G4>;,74(>0(%+4(4#:(")(%+4(O,11($4 . 4$%4-8(%+,%("-7,#&E,%&"#(G&11(1"$4(G4>$&%4(;-&3&1474$()"-(%+4()"11"G&#7(=;-&#7($4 . 4$%4-C(D4/+#&/,1(:&))&/'1%&4$(G&11(#"%(-4$'1%(&#("-7,#&E,%&"#,1(;4#,1%&4$C(

(

!"#$%&'(@))(*(E/34",$2'"2(

(

M,/+($%':4#%("-7,#&E,%&"#($+,11(/" . ;14%4(,#:($'> . &%(,()'#:-,&$4-()"- . (%"(%+4(*+,- . ,/0(!"'#/&1(=4/-4%,-0(;-&"-(%"(%+4(>47&##&#7(")(%+4($4 . 4$%4-C(MH%4#',%&#7(/&-/' . $%,#/4$(G&11(>4(/"#$&:4-4:("#(,(/,$4I>0I/,$4(>,$&$8(G+&/+(. ,0(,11"G()"-($'> . &$$&"#(")()'#:-,&$4-$(:'-&#7(%+4($4 . 4$%4-C(O'#:-,&$4-$(G&11(>4(+41:(%"(%+4( )"11"G&#7()'#:-,&$&#7($%,#:,-:$<((

A. M,/+($%':4#%("-7,#&E,%&"#($+,11(+,34(#"(. "-4(%+,#(**13'**()'#:-,&$4-(4,/+($4 . 4$%4-(%,-74%&#7(%+4($%':4#%$(4H/4;%(,;;-"34:(,;;,-41()'#:-,&$4-$(%+,%(-4 . ,&#(G&%+&#(%+4(7'&:41&#4$($4%()"-%+C(N%+4-( )'#:-,&$4-$(. ,0(>4(+41:(,$(1"#7(,$(%+40(,-4(#"%(%,-74%4:(%"G,-:($%':4#%$(,#:(,-4(,;;-"34:(>0(%+4(!"'#/&1C

JC M,/+($%':4#%("-7,#&E,%&"#($+,11(+,34(#"(. "-4(%+,#(%G"(,;;,-41()'#:-,&$4-$(4,/+(04,-C(

!C O'#:-,&$4-$(G+&/+(;-"3&:4(. ,%4-&,1$(#4/4$$,-0(-4L'&-4:(>0(,(/1,$$(G&11(#"%(/"'#%(%"G,-:(%+,%("-7,#&E,%&"#^$($4 . 4$%4-()'#:-,&$4-C(

KC =/+""1IG&:4()'#:-,&$4-$(%+,%(,-4(#"#I;-")&%(