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"FG\*!(# \$%%'(#!HG&&!IOG,#!2JO!(F1JOIF!KJ1\$ '((G/I!2JO1!,G\*\*#1('GJ / !KJ1!\*OL\$ G\*\*GJ / !(J!(F#!  
M?+!G/\*(G(O(GJ / '&!#%J\*G(J12N!"FG\*!(# \$%%'(#!\$ '2!,GKK#1!K1J \$ !(F#!\*(2&#!IOG,#!'%1JO#,!L2!2JO1!  
PJ \$ \$ G((##!Q : ) A5!A@A5!#(PNRS!HF#1#!(F#!(# \$%%'(#!,GKK#1\*K1J \$ !(F#!\*(2&#!IOG,#5!(F#!(# \$%%'(#!  
JO#11G,#\*!(F#!\*(2&#!IOG,#!O/&\*\*!J(F#1HG\*#!\*('(#,N!!  
>/!(F#!(# \$%%'(#5!(F#1#!HG&&L#!LJ(F#T '\$%%#!(#T(!' / ,!I

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c>/ \*#1(!2J01! / ' \$#!F#1#d!

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A!V0\*\*#1('GJ / !?OL\$G((#, !G / !@ '1(G' &!DO&KG&& \$ # / (!JK!(F#!8#Z0G1# \$ # / (\*!KJ1!(F#!VJP(J1' &!V#I1##!G / !

cEA : 9! ; D!V9B899d!

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VG\*\*#1('GJ / !WJ \$ \$ G((##-!!

c. ' /#!VJ#5! "G(&#!Q#N!A\*\*JPG' (#!@1JK#\*\*J1R5!V#% '1( \$ # / (!E ' \$ #5!VG\*\*#1('GJ / !WF 'G1!!

c : # \$ L#1!\_5! "G(&#!V#% '1( \$ # / (!E ' \$ #5!WJ \$ \$ G((##! : # \$ L#1!

: # \$ L#1!35! "G(&#!V#% '1( \$ # / (!E ' \$ #5!WJ \$ \$ G((##! : # \$ L#1!

cAVV!' &!WJ \$ \$ G((##! : # \$ L#1\*d!

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<(77(' / \$ !0% / % (!&7\*=(>' \*%5!

?0@A @0+@B!C@DB!6(E/ , -. (;!0 ->\*78!9F9G:@!

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>/ ,#/(!% '1' I1'%FV!! "FG\*!G\*!'!L1G#K% '1' I1'%F!#T%1#\*\*G/ I!#PJI/G(GJ /!JK! '/ ,!'%%1#PG'(GJ /!

KJ1!\*%#PG'&!%1JK#\*\*GJ / '&&!\*\*G\*(' /P#!#T(#/ ,#,!(J!2JO!L2!'P' ,#\$GP!%#1\*J / /#&5!'I#/PG#\*5! '/ ,!

G/\*(G(O(GJ / \*N!! "#\$%& '(\*+), )%-..! , /0!%&-!)I#)) \*!-23))!4/+).5!

QEJ(GP#-!>K! '/ 2!% '1(!JK!(F#!(F#\*G\*e, G\*\*#1(' (GJ / !F '\*!L##/ !%OL&G\*F#, !L#KJ1#5!(F#!KJ&&JHG/ I!(HJ!  
% '1' I1'%F\*!FJO&, !L#G/P&O, #, !HG(FJO(!'&( #1'(GJ / S!GK!2JO!F'O#/ J!%1#O6JO\*&2!%OL&G\*F#, !\$ '(#1G'&5!  
(F#/!, #&(#!(F#!(HJ!% '1' I1'%F\*RN!

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f "FG\*!VJP(J1'&!VG\*\*#1(' (GJ / !H'\*!%1J ,OP#, !G / !PPJ1 , ' /P#!HG(F!IOG ,#&G/#\*!HFGPF%#1\$G(!F#!  
G/P&O\*GJ / ! \*% '1(!JK!(F#!VJP(J1'&!VG\*\*#1(' (GJ / !(F#!(#T(!JK! '/ J1GIG / '&&!%#15!J1!% '#1\*5!\*OL \$G( #, !  
KJ1!%OL&GP'(GJ / N!"F#!VJP(J1'&!VG\*\*#1(' (GJ / !\$O\*(!\*(G&PJ/KJ1\$ !(J! '&&J(F#1!1#ZOG1# \$#/(\*N>(!\$O\*(!  
G/P&O, #! ' !PJ \$ %1#F#/ \*G0#!'L\*(1'P(5!'!KO&IG/(1J ,OP(GJ / !' /,!&( #1'(O1#!1#O#H5! '/ ,!'KG/ '!JO#1'&&  
PJ / P&O\*GJ / N A , ,G(GJ / ' & !\$ '(#1G'&Q%1JP#, O1'&!' / ,!#, #&GI / , ' (!'\*!H#&&!'\*!, #&P1G%(GJ / !JK!  
#ZOG% \$#/ (R! \$O\*(!L#%1JOG, #, !G / !OKKGPG#/(!, #('G&!(J! '&&JH!'!P&# '1' / ,!%1#PG\*#!gO , I \$#/(!J!L#!  
\$ ' ,#!JK!(F#!G \$ %J1(' /P#!' / ,!J1GIG / ' &G(2!JK!(F#!#\*# '1PF!1#%J1(#, N!

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>(!G\*!PP#%( 'L&#!KJ1!(F0\*!VJP(J1'&!VG\*\*#1(' (GJ / !(J!G/P&O, #! ' !PF '%#1\*!'O(F#/ (GP!PJ%G#\*!JK!% '#1\*!  
'&1' ,2!%OL&G\*F#, 5!%1JOG, #, !(F#\*#!\$ ##!(2%#!\*G^#5! \$ '1IG/5! '/ ,!&#IGLG&G(2!1#ZOG1# \$#/(\*N>!/!\*OPF!  
P'\*#\*5!PJ / /#P(G / I!(#T(\*5!HFGPF%1JOG, #!&J1GP'&!L1G, I#\*!L#(H##/!, GKK#1#/(! \$ '/O\*P1G%(\*5!'1#!  
\$ ' / , '(J12N!YF#1#(F#!\*(O , #/(!G\*! /J(!F#!\*J&#! 'O(FJ1!JK!'!\$ '/O\*P1G%5!(F#!\*(O , #/(!G\*!1#ZOG1#, !(J!  
\$ 'U#!' / !#T%&GPG(!\*(' (#\$ #/(!G / !(F#!(1J ,OP(J12!\$ ' (#1G'&!(J!(F'(! \$ '/O\*P1G%(!, #&P1GLG / I!(F#!  
\*(O , #/([\*!PJ / (1GLO(GJ / !(J!(F#!HJ1U! '/ ,!'PU / JH&#, !G / I!(F#!PJ / (1GLO(GJ / !JK!(F#!J(F#1!'O(FJ1Q\*RN! "F#!  
'%1JO'&!JK!(F#!?O%#IOG\*G / I!WJ \$ \$G((##! '((#\*(!(J!(F#!'PPO1'P2!JK!(F0\*!\*((' #\$/ #/(\h!

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+D3O@!LT!KLM+@M+0!

"F#!" 'L#!JK!WJ / (#(\*!Q" ; WR!P' / !L#!G/#\*1#(!, !' O(J \$ '(GP)&2!L#P'0\*#!2JO!F'0#!0\*#, !(F#!  
' %!1J%1G'(#!\*2KJ!-\*#P(GJ/5!PF%'(#1!(G(&#\*5!' / , !KJ1!\*OLF#', G / I\*N>/ !Y J1, 5!2JO!P' / !PF#PU!HF'(!  
H&&!%#%'1!G!/!(F#!" ; W!L2!OG#HG/ I!G!/f ; O(&G/#h!\$ J, #5!\*O%&1\*\*G/ I!LJ, 2! (#T(N!

0!

## OJ0+!LT!+D3O@0!

" 'L#!\_! " G(#!(2%, !F#1#|||||||||||||||||||||||||||||||||||||a!

" 'L#!3! " G(#!(2%, !F#1#|||||||||||||||||||||||||||||||||7!

" 'L#!a! " G(#!(F'(!#T(# / , !J/(J!\$ J1#!(F' / !J / #!& / #! \$ ' 2!L#/#G(F#1!\*G / I&X!J1!, JOL#X!!

\*% 'P#, !' / , !\*FJO&, !L#G/ , #/(#, !|||||||||||||||||||||||||||||1!

" 'L#!\! " G(#!(2%, !F#1#|||||||||||||||||||||||||\_6!

" 'L#!7! " G(#!(2%, !F#1#|||||||||||||||||||||36!

" 'L#!b! " G(#!(2%, !F#1#||||||||||||||||||||| \3!

" 'L#\*!FJO&, !L#/0 \$ L#1#, !' / , !(G(#!'PPJ1, G/ I!(J!2J01!\*(2#!IOG, #!QA@A5! : ) A5!#(PRN! " F#!  
/0 \$ L#1e(G(#!\*FJO&, !' % #'1!G / (F#!) 0\*(!JK! " 'L#\*!#T'P(&2!'\*!G(!, J#\*!G / 2J01!, JPO \$ # / (N!

!

" J!#/ \*01#!2J01!('L#\*!0%, '(#!'O(J \$ '(GP'&&2!G / (F#!) 0\*(!JK! " 'L#\*5!GIF(!P&GPU!2J01!('L#! / , !\*#&P(  
i>/ \*#1(!W' %(GJ / Ni!HF#/ !P' %(GJ / G / IN! ; (F#1H0\*#5!(F#!P' %(GJ / !\$ ' 2! / J(!L#! '\*\*JPG'(#, !H0(F#!(L#!  
L2!(F#!\*2\*(#\$N!

OG!

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**K "DU+@B!LM@;!+J+O@!+CU@ I!" @B@!**

9<98 ] !W=A@ " 98! : + ? " !C9B>E! ; E!A!E9Y!@AB9N!

WF' %(#1!(G(&#\*!HG&&L#|LJ&,5!'&&P' %\*5!P#/ (#1#,N!

] JO1!(#T(!L#IG/\*!F#1#N! Y G(FG/!2JO1!(#T(5!2JO!HG&&KJ&&JH!2JO1!H1G(G/ I!\*(2&#!Q@A5! : ) A5!#(PR!KJ1!

(F#PJ11#P(!KJ1\$ '((G/ I!JK!\*OL(G(&#\*5!O\*#!JK!G/ ,#/(\*5!' / ,!PG(' (GJ/\*N!@' I#/0 \$ L#1\*!HG&&KJ&&JH!J01!

(# \$ %&'(#5!#I'1,&#\*\*!JK!(F#H1G(G/ I!\*(2&#!2JO!'1#!0\*G/ IM!U/8(!71 , 2(>! , 1'%/--(/>!\*7!%) (!

2#%# , !R(7%(>!#Q!) (!- /8(\$!+) (!Q\*>'%- /8(!#Q!5#1>%!(E%!2(8\*7'!#7!- /8(VS!

) J1# \$ !G%\*O \$ !, J&J1!\*0(!' \$ #(5!PJ/\*#P(#(O1!',G%G\*GPG/ I!#&G(5!\*#,!, J!#GO\* \$ J,!# \$ %J1!

G/PG,G,O/(!O(!&LJ1#!#(!, J&J1#!\$ 'I /'!'&GZO'N!+(#/G\$!',!\$G/G\$!O#/G' \$5!ZOG\*/J\*(10,!#T#1PG(' (GJ/!

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( ) \*+&,BD, - O1/"1\$&7,E( ) \*+&3,)17,! "#\$%&3,/2)/,801/"1\$&,O1/0,/2&,1&4/,.)#&,1&&7,/0,2)>&, ),  
L801/"1\$&7M,+)\*&+,O1,/2&,801/"1\$&7,)%)&)6,

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K "DU+@B!+N L;!+ "J0!J0!DM!@WDA UO@!LT!D!OLMP@B!+J+O@!+ "D+!@W+@M I 0!

LM+L!A LB@!+ "DM!LM@!OJM@\$!AD<@!0&B@!+ "D+!OLMP!K "DU+@B!!

+J+O@0!DB@!DO0L!JM!+ " @!JMX@B+@ I !UCBDAJI !TLB AD+\$!

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O&& ' \$ PJ!&' LJ1G\*!/G\*G!O(!' &GZOG%#T!# '!PJ \$ \$ J , J!PJ /\*#ZO '(N!VOG\*! ' O(#!G1O1#! , J&J1!G / !#%1#F#/ , #1G( !  
G / !OJ&O%(' (#!O#&G(!#\*\*#!PG&O \$ ! , J&J1#!#O!KOIG' (!/O&&!% ' 1G'(O1N!9TP#%(#O1!\*G / (JPP' #P' (!PO%G , ' ('( !  
/ J / !%1JG , #/(5!\*O / (G / !PO&% ' !ZOG!JKKGPG' ! , #\*#1O / (! \$ J&&G( !' / G \$ !G , !#\*(!&' LJ1O \$ N!!  
) J1# \$ !G%\*O \$ ! , J&J1!\*G( !' \$ #(5!PJ /\*#P(#(O1!' , G%G\*GPG / I!#&G(5!\*# , ! , J!#GO\* \$ J , !(# \$ %J1!G / PG , G , O / (O( !  
& ' LJ1#:#( ! , J&J1#!\$ ' I / !' &GZOG' N! + ( !#/G \$ !' , !\$ G / G \$ !O# / G' \$ 5!ZOG\*! / J\*(1O , !#T#1P0(' (GJ / !O&& ' \$ PJ!  
& ' LJ1G\*!/G\*G!O(!' &GZOG%#T!# '!PJ \$ \$ J , J!PJ /\*#ZO '(N!VOG\*! ' O(#!G1O1#! , J&J1!G / !#%1#F#/ , #1G( !G / !  
OJ&O%(' (#!O#&G(!#\*\*#!PG&O \$ ! , J&J1#!#O!KOIG' (!/O&&!% ' 1G'(O1N!!

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## **DUU@M I JW!**

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A%%#/ ,GP#\*!'1#!\$ '(#1G'&\*(F'(!'1#!%#1G%F#1'&LO(!1#&#O' /(!J!2JO1!, JPO\$#/ (S!\*OPF!\*!  
\*O1O#2\*!J1!F' / ,JO(\*!O\*#, !G/!2JO1!#\*#'1PF5!PJ \$ %O(#1!PJ ,#5!#T(1'!KG1O1#\*!J1!( 'L&#\*5!#(PN!>K!2JO!'1#  
/ J(!\*O1#!HF'(!J!G/P&O ,#!G/!2JO1!'%%#/ ,GP#\*!J1!GK!2JO!/## ,!(J!G/P&O ,#!' /!%#/ ,GT5!PJ /\*O&(!H6(F!  
2JO1!\*O%#1O\*G/ I!PJ \$ \$ G((##N!>K!2JO1!, G\*\*#1('0J /!1#\*#'1PF!1#ZOG1#, >8C!'%%1JO'&5!(F#)>8C!  
'%%1JO'& : + ? " !C9!>EW ) +V9V!A ?!" =9!D>8 ?" !A@@@9EV>^N!  
>K!2JO!F'0#!'%%#/ ,GP#\*5!(F#2!H0&&!'%%# '1!'K(#1!2JO1!(#T(!' / ,!L#KJ1#!2JO1!8#K#1#/P#\*5!  
!#I '1 ,&\*\*!JK!HF&PF!H1G(G/ I!\*(2&#!2JO!'1#!O\*G/ IN!A%#/ ,GP#\*!\*FJO&, !E ; " !

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**B@T@B@MK@0!**

8#K#1#/P#\*!\*FJO&,!KJ&&JH!(F#!\*' \$#!\*(2&#!IOG,#!JK!2J01!\$ '/O\*P10%(XXA@A5! : ) A5!WFGP' IJ5!#(PN!  
8#K#1#/P#\*!\$ '2!'&\*J!L#!P'&&,!Y J1U\*!WG(#,!J1!CGL&GJI1'%F25!,#%#/ ,G/I!J!/2J01!\*(2&#!IOG,#N!

!  
mmmm "F#!8#K#1#/P#\*!L#&JH!'1#!' / !#T' \$ %&#!JK!J / #(2%#!JK!PJ11#P(!KJ1\$ '((G/IN!@&'\*#!O\*#!(F#!  
KJ1\$ '((G/I!' / ,!\*%'PG/ I!\*%#PGKG#,!L2!2J01!\*(2&#!IOG,#!KJ1!(FG\*!#P(GJ/Nmmm!

!

AA?= " ; !366\N!!fAA?= " ; !) 8DV!C1G, I#!V#\*GI / !?%#PGKGP'(GJ / \*5h!A \$ #1GP' / !A\*\*JPG'(GJ / !JK!

?('(#!=GIFH'2!' / ,!"1'/\*%J1('GJ / ! ; KKGPG'&5!a !#,G(GJ/5!Y '\*FG/I(J/5!VNWN!

!

A\*H',5!AN5!' / ,!WF#/5! ] N5!f>\$ % 'P(!JK!) 8DV! ?%#PGKGP'(GJ / !JK!) J' ,!VG\*(1GLO(GJ / !JK!@ ?!WJ / P1#(#!

C#' \$ \*5h!@W>!.J01/ '&5!<N!ak5!EJN5!#%(\$L#IX

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: G&& '\$ 5!. '\*J / ! ) N5! : '5!oFJ / II0J5!f?G / I&#! ) ' / #! ) GO#! ) J ' , !VG\*(1GLO(GJ / !D 'P(J1!KJ1!V#PU#, !

@1#P'\* (e@1#\*(1#\*\*#, !WJ / P1#(#!BG1, #1!C1G, I#\*5h! " 8C!3667!A // 0'&! : ##(G / I!WVX8 ; : 5!AOI0\*(!\_5!

366\N!

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)G5!.G / IgO' / 5!WF#/!B#/ \$G'J5!' / ,!oF' / I5!oF#5!fA!\*G\$%&GKG#, !\$ #(FJ ,!(J!PJ \$ %O(#!&J' ,!,G\*(1GLO(GJ / !

G / !L1G, I#!I01, #1\*5h!! " 8C!3667!A // 0'&! : ##(G / I!WVX8 ; : 5!AOI0\*(!\_5!366\N!

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f?"AAVN@1Jh!366\N!A!%1JI1' \$ !'/ ,!0\*#1[\*!\$ '/ O'&%OL&G\*F#, !L2!8#\*#'1PF!9 / IG / ##1\*

>/(#1/ '(GJ / '&!', GOG\*GJ / !JK!/#H!B0105!>/PN5! ] J1L'!)G / , '5!WA\N!

!

"#T'\*!V#%'1(\$#/(!JK!"1'/\*%J1('GJ / !366\_N!fC1G, I#!V#\*G1 / ! : ' / O'&h! "#T'\*!V#%'1(\$#/(!JK!

"1'/\*%J1('GJ / 5!V#P# \$L#!\_5!366\_N!

!

Y#I \$ 0&#15!AN Y N5!' / , !MJ\*(\$ 5!WNE N!Q\_k4aRN!fdG/G(#!#&# \$#/(!' / '&2\*0\*!JK!%&'(#\*!'/ , !#PP#/ (1G P'&&2!

\*(GKK#/#, !%&'(#Nh!D1G(^9 / IG / ##1G / I!) 'LJ1'(J12!8#%J1(!EJ\!a14ANa5!) #FGIF!+ / GO#1\*G(2N!

!

## XJ+D!

. '/#!VJ#!G\*!K1J \$ !?' /!A/(J/GJ5!" ^N! ?F#!\*(O,G#, !F0IF#1!, OP'(GJ /!', \$G/G\*(1'(GJ /!'/ ,!  
#'1/#, !LJ(F!'!C'PF#&J1[\*!'/ ,! : '\*(#1[\*!, #I1##!G!/9 ,OP'(GJ /!K1J \$ !"F#!+/G0#1\*G(2!JK!"#T'\*!'(!?'/!  
A/(J/GJN!=#1KO(O1#!%&'/\*!G/P&O ,#!'!K#&&JH\*F0%!'(!Y2J \$ G/I!+/G0#1\*G(2N!

<G('!)/\*(10P(GJ/\*-!

"F#!<G('!G\*!3)6783)\*5!!

>/ ,#/(!F#!KG1\*(!G/#!JK#'PF!% '1' I1'%FN!!!

"F#!<G('!G\*! !\*FJ1(!LGJI1'%F0P'&!\*0\$ \$ '12N?(O,#/(\*!(2%GP'&&2!G/P&O ,#!G/KJ1\$ '(GJ /!\*OPF!'\*!

HF#1#!(F#2!'1#!K1J \$ 5!HF'(!F#2!F'0#!\*(O,G#, !G/!(F#%!\*(5!, #I1##\*(F#2!F'0#!#1/#, 5!'/ ,!  
KO(O1#!#/ ,#'0J1\*N!!

V ; !E ; " !G/P&O ,#!PJ/('P(!G/KJ1\$ '(GJ /5!\*OPF!'\*! , ,1#\*\*#\*5!# \$ '0&\*5!%FJ /#/O \$ L#1\*5!#(PN!!!

V ; !E ; " !G/P&O ,#!'!1#\*0\$ #5!PO11GPO&O \$ !OG('#5!J1!&G\*(!JK!%OL&GP'(GJ /\*