! "##"\$%&'%(\$) * +, &-./%"%0&1\$2%3".& 4+5)2/)6&7&{797: & -)+#", +%;<#&1\$%(+)+%3+&=\$\$* &>?99&@&A?99&-! &

B;;+%, ++#?&

>#9*2*\$#\$/)G!@/2\$#*),!@*22#&4,B#!

B0+%, /&BCC)\$D+, &

A+, &L#!#(()/B, L!<J!9/&0, &040!

! "%2;+#%

:/)), 9\$*/&0!04<; *\$\$, L!<J!: #)/2J&!5/29)/N\$!*&924L, L!*&!\$%, !), 9/)LR!C*&4\$, 0!0\$#&L!#0!#; , &L, LR!

-25."3&1\$* * +%;?&

E" #\$, Q!A!&, M!924<S\$%, IT, LU!: 24<R!>, , 2!N), , !\$/!+, \$!*&B/2B, LR!V&N/); #\$*/&!*0!/&!\$%, !V: :: !M, <0*\$, R!

E;2, +%;&F\$"3+?&

E"#\$, Q!" /\$%*&+!&, M!\$/!0%#), R!E./0%4#Q!' %#), L!M*\$%!A'>: !\$%, !\$, W\$<//?!L*09400*/&0!#)/4&L!9/0\$0! N/)!<//?OR!V!<//4+%\$!\$%*0!\$/!\$%, !A9#L,; *9!', &#\$, !#0!M, 22R!'\$4L, &\$0!M,), !+2#L!\$/!%, #)!\$%#\$! AL: *&*0\$)#\$*/&!#&L!N#942\$J!M,),!2*0\$,&*&+!\$/!\$%,*)!9/&9,)&0RIE@/2\$#*),Q!T%,!A9#L,; *9!',&#\$,!M*22! <,!L*09400*&+!H/MK: /0\$!\$, W\$<//?0!\$%*0!9/; *&+!C/&L#J-!*&924L*&+!\$%,!L, N*&*\$*/&!/N!2/MK9/0\$!#&L! %/M!), &\$#20!9#&!%, 2(!M*\$%!\$%*0R!E3)*0\$*&#Q!=/!M, !&,, L!#!<)*9?K#&LK: /)\$#)!<//?0\$/), X!W!&/\$-! 9/42L!M, !40, !\$%#\$!4&L,)4\$*2*D, L!0(#9, X!T%, !<//?0\$/), !%/4)0!#), !2*; *\$, L!#&L!*\$!*0!404#22J!, ; (\$JR! 7,!9#&!<,+*&!\$/!9/&0*L,)!#2\$,)&#\$*B,0!\$/!#!(%J0*9#2!<//?0\$/),R!C#J<,-!M,!9/42L!;/B,!\$%,!0\$/),! #&L!0\$*2!0, 2!*\$,; 0!2*?,!>//\$%*2!K<)#&L,L!;,)9%#&L*0,!M%,),!\$%,!9/2,+,!+,\$0!#!<*++,)! (,)9, &\$#+,!/N!\$%,!()/9, ,LOR!E./0%4#0!7*\$%!/&2*&,!\$,W\$<//?0-!; #&J!0\$4L,&\$0!L/!&/\$!0, ,!\$%,! &,, L!\$/!+/!\$/!\$%,!<//?0\$/), R!T%,!9/&9,)&!M/42L!<,!M%,),!M,YL!0,2!/4)!;,)9%#&L*0,7!; #J<,! A'>: !9/42L!%#&L2, !\$%, 0, !0#2, 0X!E>#\$*; #0!V!2*?, !\$%, !*L, #!/N!\$)#&0*\$*/&*&+!#M#J!N)/; !#!(%J0*9#2! <//?0\$/), R!A\$!; J!/2L!4&*B,)0*\$J-!2/9#2!<//?0\$/), 0!#20/!0\$/9?, L!\$%, !), P4*), L!\$, W\$0R!C#J<, !2/9#2! <//?0\$/), 0-!2*?, !6//?0!V&9-![#0\$K7, 0\$-!, \$9R-!9/42L!04((/)\$!/4)!&,, L0X!T%,),!#),!0\$4L, &\$0!M%/! L/&Y\$!%#B, !#!), 0*L, &9, !/N!9#&&/\$!9/; ,!\$/!9#; (40-!0/!*\$!M/42L!<,!+//L!N/)!\$%,), !\$/!<,!#!M#J!\$/! <4J!<//?0!*&!(,)0/&R!E''*�!: /42L!M,!0,20!; ,)9%#&L*0,!*&!\$%,!7,29/; ,!:,&\$,)!/)!40,!\$%,! 92#00)//; !&, W\$!\$/!\$%, !2*<)#)JX!A'>: !0\$4L, &\$0!), #2J!M#&\$!\$/!\/*&!9#; (40!9/; ; *\$\$, , 0-!<4\$!*\$!*0! %#)L!N/)!A'>: !0\$4L, &\$0!\$/!\/*&!2#\$, K#N\$,)&//&!92#00, OR!E3)*0\$*�!T%#&?!J/4!N/)!(/*&\$*&+!\$%*0!/4\$R! E./0%!1RQ!@*0*\$/)0!\$/!9#; (40!M#&\$!>//\$%*22K<)#&L, L!*\$,; 0!0/!*\$!M/42L!<, !+//L!\$/!%#B, !#&!/4\$2, \$R! A20/-!+J: !40, !*&!>, <)4#)JSM%,), !#), !M, !M*\$%!\$%*0X!E./0%4#0!7, !%#L!%/(, L!\$/!+, \$!*\$!/(, &!<J! >, <)4#)J!¬ -!<4\$!*\$!2//?0!2*?, !M, Y22!<, !), #LJ!\$/!+/!<J!>, <)4#)J!^ R!' (/)\$0!\$, #; 0!M#&\$!\$/!40, !\$%, ! +J; -!0/!M, Y2!M/)?!#)/4&L!\$%,; !M%*9%!M*2!#20/!#2/M!40!#!+//L!+#4+, !N/)!\$%, !N*)0\$!; /&\$%R!

E'#;!:/&&, 2V0!92#00, 0!#), !L/*&+!\$%*0!M/)?0!\$/!*L, &\$*NJ!*; (/)\$#&\$!0*\$, ORIE@#2,)*, Q!V!M/&L,)!*N!\$%, ! 2*</#)J!M/42L!<, !#&!#(()/()*#\$, !9/2#</)#\$/)!N/)!\$%, !#)9%*B*&+!M/)?X!E"#\$, Q! 7, !#2), #LJ!%#B, ! \$M/!J, #)0!N), ,!\$4*\$*/&!N/)!N*)0\$K\$*; ,!9/22, +, !0\$4L, &\$0R!E3)*0\$*&#Q!", #)2J!i_e!/N!/4)!0\$4L, &\$0!#), ! (#)\$K\$*; ,R!V!M/42L!2*?,!\$/!9/; ; *\$!0/; ,!N/4&L#\$*/&!N4&L0!\$/!(*9?!4(!C4M,?; #!0\$4L, &\$!\$4*\$*/&!\$%#\$!9#&&/\$!<,!9/B,), L!<J!/\$%,)!; ,9%#&*0; ORIE1#\$)*9?Q!T%#&?!J/4R!V!N, ,2!\$%*0!*0!\$%,!; /0\$!
; (/)\$#&\$!#+, &L#!\$,; !V!%#B,!0,, &!0*&9,!V!%#B,!<,, &!#\$!\$%,!9/22, +, R!H, \$Y0!*L, &\$*NJ!\$%,!), 0/4)9, O!
\$/!+,\$!\$%*0!L/&, R!

I C, /;+&\$%&B3/, + * "3&E+%/;+&1.2#;+)&N")"%0?&
E1#\$)*9?0!7,!(#00, L!#!; /\$*/&!\$%#\$!#&J!N#942\$J!M%/!M/42L!<,!0,)B*&+!/&!%*)*&+!9/; ; *\$\$,,0!
M/42L!<,!,P4*((,L!M*\$%!=)R!7//L!#&L!=)R!5#))*0Y!\$, W\$!/&![P4*\$JK; *&L,L!%*)*&+!()#9\$*9,0R!T%*0!
\$, W\$!*0!9/; *&+!N)/; !#!(/0\$K#NN*); #\$*B,!#9\$*/&!(2#9,R!T%,!N/940!*0!/&!M%#\$!9#&L*L#\$,0!%#B,!L/&,!
\$/!0, B,!62#9?!#&L!<)/M&!0\$4L,&\$0R!

E6), \$0!7,!%#B,!#!+)/4(!), (), 0, &\$#\$*B,!/N!/4)!9#; (40R!7,!9), #\$, L!#!\$#0?N/)9,!\$/!()*/)*\$*D,!\$%,!

O+K&P2#"%+##?&&

1\$**";;++&=+C\$);#?&

4/3".";"+#&/%, &E2#;/"%/5".";6?&

(#0\$!()/\, 9\$0!M, !*L, &\$*N*, L!<, N/), !\$%, !6/&L!M#0!*004, L!<4\$!L*L!&/\$!+, \$!N4&L, LR!T%, 0, !#), ! ()/\, 9\$0!M, YL!2*?, !\$/!(), 0, &\$!\$/!\$%, !6/#)L!*N!\$%,), !*0!; /&, J!#B#*2#<2, R!T%, !N*)0\$!()/\, 9\$!*0!\$%, ! = , &\$#2!5J+*, & , !<4*2L*&+-!\$%, &!\$%, !'T[C!: , &\$,)-!#&L!N*J!\$%, !'; *\$%M*9?R!E8#9%0!V0!\$%*0!#22!/N! i^{4} X!E6), \$0!0, 0-!*\$!*0!\$%, !M%/2, !<4*2L*&+R!7, !: 40\$!9/: , !4(!M*\$%!/4)!()*/)*\$*, 0R!A22!#), ! ; (/)\$#&\$R!7,!M*22!+/!\$/!\$%,!C#)9%!j!0\$4LJ!0,00*/&!N/)!\$%,!6/#)LR!7,Y22!%#B,!02*L,0!#&L!L#\$#!N/)! , #9%!#), #!M*\$%!, W(,)\$0!N)/; !, #9%!/N!\$%, !#), #0!0,)B, L!<J!\$%, 0, !()/\, 9\$!0(#9, 0R! 7, !#20/!%#B, !#! $0^*+8\#+$, !04<9/; *\$\$, , $RIT\%^*0!+$)/4(!*0!M/)?*&+!/&!\$%, !b>1!/&2JR!AN\$,)!\$\pi\#\$-!M, \pi\\2!+/!/4\$!\$/!\$\pi\,! M%/2, !9#; (40!N/)!*& (4\$!/&!M%#\$!/4)!0*+&#+, !2//?0!2*?, R! 7, !%#B, !#</4\$!k]_Ri !; *22*/&!N/)!\$%, ! ()/B*L,!*&N/); #\$*/&!\$%#\$!M,!M*22!40,!*&!/4)!()/9,00R!T%,!H*+%\$*&+!()/\,9\$!%#0!#</4\$!K^Ri!; *22*/&R! 7,!%#B,!&#))/M,L!\$%,!/(\$*/&0!L/M&!\$/!\$M/!L,0*+&0R!7,Y22!\$,0\$!\$%,!L,0*+&0!N/)!,NN*9#9J!#&L! #, 0\$%, \$*9!(4)(/0, 0R!E3)*0\$*�!T%,),!*0!#!2/\$!/N!,; /\$*/!B/24; ,!#)/4&L!\$%,!C,#04),!`! $, W^0$ **&+!M/)?!#&L!\$%, !0%#), L!+/B,)&#&9, !</LJ!\$%#\$!), (/)\$0!\$/! \mathbb{C} V1: R!E34)\$Q!WIM, !9#&&/\$!+, \$!\$%, ! ; /&, J!N/)!\$%, !'; *\$%M*9?-!L/!M, !\40\$!2, \$!*\$!L, \$,)*/)#\$, X!E6), \$0!'' /\$!&, 9, 00#)*2JR!>/)!&/M-!\$%, !

 $[B, \&\$!: , \&\$,)!M#0!#!=\$0\$)^*9\$!(\&/, \&/^*#0+(*Tm[m(#0)Tj $\partial 0004())0=\&)-9\$!()!)5.267(1004T\partial 2.001121.0065152B)-0.66:$

G/#L(\$)3+#&/%, &Q\$)L0)\$2C#&=+C\$);#?&

G+3H&1\$ * * ";;++?&

E8#9%0!T%, !; #\/)*\$J!/N!/4)!2#0\$!; ,, \$*&+!N/940, L!/&!/4)!, #)2*,)!L*09400*/&0R!T%,), !#), !0/; ,![TA:! ()/9, L4), 0!M, !#), !), B*, M*&+!#&L!#20/!2//?*&+!#\$!\$%, !()/94), ; , &\$!()/9, 00, 0!#\$!=*0\$)*9\$R!T%, ! +)/4(!; ,, \$0!B*#!8//; !/&!#2\$,)&#\$, !7, L&, 0L#JOR!T%, !M, <0*\$, !*0!<, *&+!4(L#\$, LR!E@/2\$#*), 0! '%/42L!\$%, !; ,, \$*&+!*&N/); #\$*/&!<, !L*0\$)*<4\$, L!\$/!, B,)J/&, !/&!9#; (40X!CV1: !*0!/(, &!\$/!#22-! 0%/42L!\$%, !T, 9%!: /; ; *\$\$, ,!<,!/(, &!\$/!#22!#0!M, 22X!E=/), , &0!5#B*&+!#!2*&?!; #?, 0!N/2?0!N, , 2! M, 29/; , R!E" #\$, 0!W!J/4!L/!#!%#B, !#!M#*\$*&+!)//; !N/)!0, 94)*\$J-!(2, #0, !()/B*L, !*&0\$)49\$*/&0!/&!\$%, ! M, <0*\$, !\$/!#22/M!, #0*,)!*L, &\$*N*9#\$*/&R!E" #\$, 0!=/!J/4!%#B, !0\$4L, &\$!), (X!E8#9%0!" /-!<4\$!M, YL!2/B, !\$%#\$]!!

E; /%, "%0&=+C\$); #?&

R\$D+)%/%3+&N/%, 5\$\$L?&

 $E./0\%!1R0!.\#\&^*$, !M#&\$, L!\$/!\$#2?!#</4\$!CV1: $!^*\&!\#!\&\#))\#\*B , !0\$)49\$4), $!\#\&L!V!M^*22!<$, $!04((/)\$^*\&+!.\#\&^*$, $!^*\&!\$\%^*0!$, NN/)\$R!

'%#;";2;"\$%/.&M+/)%"%0&J2;3\$ * +#?&

E./0%0!'' /\$!; 49%!\$/!), (/)\$R!E@#2,)*, 0!'\$, (%#&*,-!L/!J/4!%#B,!#&!4(L#\$,!/N!\$%,!>//\$%*22!V&P4*), 0! M/)?X!E'\$, (%#&*, 0!3,))*!#&L!V!%#B,!; ,\$!#&L!V!L/&Y\$!0, ,!#!09%*0; !<,\$M,, &!>//\$%*22!V&P4*), 0!#&L!\$%, !VHF!M/)?R!!

4\$\$:H"..&79A9?&

@*0*/&!'\$#\$,;,&\$!E./0%0!7,!#),!; #?*&+!()/+),00!#&L!\$%,!9/;; 4&*9#\$*/&!(2#&!%#0!<,,&! #(()/B, LR!

B(("%";6&R)\$2C&=+C\$);#?&

B-BO?

E'\$, (%#&*, Q!: 2*N\$/&!M*22!<,!<#9?4(!N/)!; ,R!T%#&?!J/4-!: 2*N\$/&!N/)!L/*&+!L/4<2, KL4\$J!), (/)\$*&+!/4\$!/&!H`6Tm!#9\$*B*\$*, Q!#Q!M, 22R!', B,)#2!A1A''!; ,; <,)Q!%#B,!<,,&!2//?*&+!#\$!Q\$4L,&\$!#9%*,B,; ,&\$!),9/+&*\$*/&!#\$!\$%,!,&L!/N!\$%,!J,#)R!E@#2,)*,Q!T%,),!*Q!#!Q\$4L,&\$!2,#L,)Q0*(!9/&N,),&9,!#&L!#&!A1A5V!9/&N,),&9,!*&!A()*2R!T%,),!*Q!#Q\$*B*\$J!#)/4&L!AA'' 51V!,B,&\$QR!

BBO%

 $EA()^{*}20!T\%, !65C!M, <0^{*}, !^{*}0!4(!\#\&L!\$\%, !, B, \&\$0!N/)!65C!\#9\$^{*}8^{*}, 0!0\$\#)\$!\&, W\$!M, , ?R!$

MRPGST?&

E: 2*N\$/&Q! 7, !\$/4), L!\$%, !9#; (40!#&L!%/(, !\$/!(), 0, &\$!#!()/(/0#2!N/)!#!L, L*9#\$, L!H`6Tma!1)*L, !
'(#9, !B,)J!0//&R!

B%%\$2%3+ * +%:#?&

E@#2,)*, 0! 7, !#), !B,)J!, W9*\$, L!#</4\$!\$%, !4(9/; *&+![\$%&*9!'\$4L*, 0!'4; ; *\$!/&!C#)9%!h!N)/; !]^Kf!
1CR!E'' #\$, 0!T%, !2#0\$![\$%&*9!'\$4L*, 0!'4; ; *\$!M#0!N#&\$#0\$*9R!

 $E3)^*0\$^*\&\#0!V!, \&9/4)\#+, !, B,)J/\&, !\$/!N^*22!/4\$!\$\%, !\%/40^*\&+!04)B, JR!$