

!"#\$%&'()*+!, -. /0'(1(2!

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"#\$!%&'(\$)!*\$)+&, '!, -!(#&+!. , /)+\$!&+!, --)\$0!&' !1!23\$' 0\$0!-,)41(5!

6\$. (/)\$+5!733!3\$. (/)\$!., ' (\$' (!%&&3!8\$!

\\$ '\$(&.^?B!\&*\$' !(#1(!(\$+\$!1)\$!, A\$' G!:) , /A!4\$\$(&' :+G!%\$!O, !' , (!O&+. /++!A)&*1(\$!&+/\$+!=\$B: BG!
#\$13(#!,)!4\$' (13!#\$13(#?G!%#&. #!+#, /3O!&' +(\$1O!8\$!O&+. /++\$O!%&(#!1' !7. 1O\$4&. !V, /' +\$33,)B!

6#4."-%.#'.@/'E#08F4!

<\$!\$' ., /)1: \$!+(/O\$' (+(!, !A, +(IC/\$+(&, ' +(!, !(\$!-,)/4+G!(, !O&+. /++!1' O!1' +%\$)!A\$\$)!C/\$+(&, ' +!
%#\$' !A, ++&83\$!-,)!+\$., ' O!(\$4?G!%#&3\$!41&' (1&' &' :!1!. , 33\$: &13G!A, 3&(\$!1' O!A), -\$++&, ' 13!3\$1)' &' :!
\$' *&), ' 4\$' (B!"#\$!]' +()/.(,)!1' OU,)!"7+!%&33!4, ' &(,)!(\$!-,)/4+!1' O!(9A&. 1339!A), *&O\$!

&4A,)(1' (!: \$' , 4&. !&' - ,)41(& , ' !1' O!(, !: \$' \$(&. 1339!O&+\$. (!8&, 3, : &. 13!A), . \$++\$+B! "#&+!. , /)+\$!%&33!
8\$!1!83\$' O\$O!

G#-."-%/-:&'6\$C-5!'"#\$!(\$+(+1' O!(/(,)&13+!-,)!(#&+!. , /)+\$!%&33!8\$!O\$3&*\$)\$O!&' @A\$)+, ' G!#, %\$*\$)\$!&' !
(#\$!/' 3&E\$39!\$*\$'\$ (!, -!1' 9!/' &*\$)+&(9@O\$.31)\$O!\$ 4\$): '\$. 9G!+, 4\$!,)!133!, -!(#\$+\$!. , /)+\$!
. , 4A, '\$ (+!4 19!8\$)\$C/&)\$O!(, !8\$!O\$3&*\$)\$O!, ' 3&' \$G!\$&(#\$)!+9' .#), ' , /+39!,)!1+9' .#), ' , /+39B!
!'"#%&' ()*%\$+, "#- #\$.)/!*01\$, "' *%#B!7' 9!1++\$++4\$' (+!1--\$. (\$O!%&33!8\$!. , ' O/.\$(\$O!, ' 3&' \$!1+!
O\$(\$)4&' \$O!89!(#\$!A), -\$++,)B!!

P:@/M8\$/0!!

g< \$\$E!7!(/(,)&13!W\$. (&, ' +5!Dj OH! ! gg< \$\$E!2!(/(,)&13!W\$. (&, ' +5!00j Dk!

W\$\$!9, /)!1. 10\$4&.!(&4\$ (183\$=,)!(\$!"/(,)&13+!; *\$)*&\$%!A1:\$!&' !; <6?!-,)!(\$!+A\$. &-&!(&4\$+!i !
3, .1(&, ' +!1++, .&1(\$O!%&(#!9, /)!/(,)&13!+\$. (&, ' !

G#804/'4:@/M8\$/'#J/0J"/N'

!

Q/R.K##S0!!2\$' X14&!7B!M&\$). \$G! 1 ''&'0,-\$') -%&-''! 0+ ' ()' !!#%' -2G!F''!\$O&(&, ' B!''#&!&+!(#\$(L(8, , E!
-,)!(\$#!, /)+\$G!%#&.#!., ' (1&'+!., ' (\$' (!(#1(!%&3!1++&+(19, /!&'!/' O\$)+(1' O&' :!:\$' \$(&.+!1' O!8/30!
9, /)!E', %3\$O: \$B!''#\$(L(8, , E!13+, !., ' (1&'+!+, 4\$!1++&: '\$O!C/\$+(&, ' +B!!

"#\$(L(8, , E!&+' , (!+)&. (39!)\$C/&)\$OG!1+!%\$!%&3! , (!8\$!(\$+(&' :!41(\$)&13!(#1(!&+!\$L.3/+&*\$39!
O&+. /++\$O!%&(#&' !(\$\$(L(8, , EBI , %\$*\$)\$G!%\$!A), *&O\$!+A\$. &-&!)\$10&' :+!-, 4!(\$\$(L(8, , E!(, !
+/AA3\$4\$' (!' \$1)39!\$*\$)\$9!3\$++ , ' G!\$' 183&' :!1!O\$A\$)!/' O\$)+(1' O&' :!, -!(\$!41(\$)&13!89!A), *&O&' :!
100&(&, ' 13!\$L14A3\$+!(, !(#, +\$!O&+. /++\$O!&' !(\$!3\$. (/)\$!*&O\$, +G!1!+\$. , ' O!A\$)+A\$. (&*\$G!100&(&, ' 13!
A)1. (&.\$!C/\$+(&, ' +G!1' O!*1)&, /+!100&(&, ' 13!3\$1)' &' :!(, , 3+!(#1(!419!+&: ' &-&. 1' (39!8\$' \$-&!(9, /)!
3\$1)' &' :B!''#\$!A/83&+#\$)!13+, !, --\$)+!(\$\$, ' 3&' \$!3\$1)' &' :!+, -(%1)\$!7. #&\$*\$!1+!A1)! , -!(\$\$(L(8, , E!
8/' O3\$G!%#&. #!9, /!419!-&' O!/+-\$-/3!1+!1' , (#\$)!100&(&, ' 13!)\$+, /). \$!1+!&!(A), *&O\$+!+\$*\$)13!/+-\$-/3!
(, , 3+!&' .3/O&' :!+\$3-C/&bb&' :!-/'. (&, ' +B!!

3%0")02' 04)5"! ''&5,&6)%&)72,-2)8''#\$,%&%)02")0''90: %%;)/%+)! +#-2' '\$'4)02")! ' 6")&+<: "#\$)<' /)
5,.. "#\$(,620(/4)\$%)7")0#/0%)' (7' /\$)! #&8,5")02")\$"-0,%&)2"" 5,&6\$)0%)' \$\$,\$0)/%+),&).&5,&6)02")
#"("8' &0)\$"-0,%&\$>2,("7")' #"')+\$,&6)02")?)"5,0,%&).%#)02,\$)\$"<"\$0"#

O&+\$4&' 1(\$O!(, !133!(/O\$' (+!&!(\$\$.31++B!C, (!.#\$.E&' :!; <6!,)!9, /)!\$@4 1&3!1.., /' (!&!' , (!!81+&+
-,)!1AA\$13B!

733!., /)+\$!41(\$)&13!%&3!8\$!A, +(\$O!(, !; <65!#((A5UU, %3B/%, B. 1B!!

]!+(/O\$' (+! \$O\$!1++&(1' . \$!%&(#!; <6!-/ ' . (& , ' 13&(9G!(#\$9!. 1' !+\$E!+/AA,)(!, ' !(\$!; <6! \$3A!
A1: \$B!73(\$)' 1(&*\$39G!(#\$9!. 1' !. , ' (1. (!(\$!<+(\$)' !"\$. # , 3, : 9!W\$)*&. \$+! \$3AO\$+EB!"#\$9!. 1' !8\$!
., ' (1. (\$O!89!A#, ' \$!1(!Jk@dJ@DPHH!,)!\$L(B!PDPHHB!

Q/:@-":C\$'0/78"0/F/- .40!

JB W(183\$!&' (\$)' \$(!. , ' ' \$. (& , ' B!
OB]' (\$)' \$(!. , ' ' \$. (& , ' !, -!1!#&: #!\$' , /: #!+A\$O!&' !,)O\$)!(, !A1)(&. &A1(\$!*&1[, , 4G!%)&(\$!
, ' 3&' \$!1++\$++4 \$' (+!1' O!O, %' 3, 1O!., /)+\$!41(\$)&13B!
DB V, 4A/(\$)!%&(#!%,)E&' :!4&.), A#, ' \$!=-,)!A1)(&. &A1(& , ' !&' !hi 7U; --&. \$! , /)+?!

C, (!#1 *&' :!(\$!(\$. #' &. 13!)\$C/&)\$4 \$' (+!419!' , (!8\$!/+O\$!1+!1!81+&+!-,)!1AA\$13B!

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Q@/'#J/0C\$\$: #804/'%0CM/'N"\$K/' : C\$: 8\$C./M'C45!

"\$+(!J!JPQ!
"\$+(!O!JPQ!
"\$+(!D!JPQ!
"/(,)&13+!PQ!
F&' 13!DPQ!

U44/-."C\$': #804/'0/78"0/F/- .40'

V, /)+\$@+A\$. &&!. , ' O&(&, ' +!(#1(!1)\$!)\$C/&)\$O!(, !A1++!(#\$!. , /)+\$!1)\$5!
733!+(/O\$' (+! 4/+(!. , 4A3\$(\$!C.'\$/C4.' .N# ' Q/4.4!=%,)(#!JPQ! \$1. #?!C-M! .@/'E'-C\$'URCF!
=%,)(#!DPQ?!

F1&/)\$!(, !. , 4A3\$(\$!(\$! 4&' &4/4!%&3!)\$+/3(!&' !1' !&' . , 4A3\$(\$!-,)!(\$\$. , /)+\$!/' (&!(#\$! 4&+&' :!
. , 4A, ' \$' (+! . 1' !8\$! . , 4A3\$(\$O!=(9A&. 1339!&' !(\$#!' \$L(!&(\$!)1(&, ' !, -!(\$\$. , /)+\$G! %&.#!)\$C/&)\$+!
1AA), *13! (#), /: #!(\$#! 1. 10\$4&!. , /' +\$3&' :!, --&. \$?! ,)!-1&/)\$!, -!(\$\$. , /)+\$!%&(#! 1! 4 1L&4/4!
1. #&\$*183\$!:)10\$!, -!>IQB!

P:@/M8\$/M'Q/4.40!

!#+1+\$2345\$<\$!+. #O/3\$!1AA), L&41(\$39!)&%\$E39!1++\$++4 \$' (+!+/ .#!(#1(!+(/O\$' (+!O, !' , (!-133!
8\$#&' O!1' O!1)\$!' , (!, *\$)%#\$34 \$O!%#\$' !. , 4&' :!(, !+(/O9!-,)!, ' \$!,)!(%, !31): \$!4&O(\$)4!
(\$+(+B!"#\$!"\$+(+J@D!1)\$!(&4 \$O!(, !8\$!. , 4A3\$(\$O!&' !J!#, /)!1' O!DH!4&' /(\$+!,)!3\$++B!"#\$!(\$+(+1!)\$!

"#\$!F&' 13!KL14!&!1!D#!(\$+(!. , ' +&(&' :!, -!o!H!C/\$+(&, ' +!&' !(\$!+14\$!-,)41(!1+!(#\$!"\$+(+18/(!
%,)(#!DPO!, -!(#\$!-&' 13!:)10\$B!""#\$!F&' 13!KL14!&+!. /4/31(&*\$!%&(#!odHQ!C/\$+(&, ' +!, ' !41(\$)&13!
-), 4!<\$E+!JHG!JJ!i !JOG!&' .3/O&' :!"/(,)&13!>G!1' O!o>HQ!\$C/139!-), 4!133!, (#\$)+B](!%&33!8\$!
+.#\$O/3\$O!89!(#\$!)\$: &+()1)2+!, --&. \$!O/)&' :!(#\$!-&' 13!\$L14!A\$)&, O!B!F,)!(#, +\$!%# , !4-&+!(#\$!\$L14!
-,)!3\$: &(&41(\$!O, ./4\$' (\$O!)\$1+, ' +G&*)1+B!, ' + ' !(#-0.1(G)00.24060C' &\$' 14!

F, 33, %& : !/' &* \$)+&(9!+\$' 1(\$! : /&O\$3& '\$+G!-,)!F&' 13!\)10\$+!%&(#!O\$. &4 13+!, -!HB>I!,)!#&: # \$)G!%\$!%&33!
) , /' O! /A!(, !(#\$!' \$1)\$+(!- /33!&' (\$: \$)B!7' 9(#&' : !8\$3, %!HB>I !&+!), /' O\$O!O, %' B!!

I , %\$*\$)G!&-!9, /!8\$3&\$*\$!9, /!#1*\$!O\$(\$. (\$O!1' !"#%#&' !(#\$!. 13. /31(&, ' !, -!9, /)!(\$+(G!(/ (,)&13G!-&' 13!
\$L14G!,)!. , /)+\$!:)10\$+G!A3\$1+\$!O, ' I(!#\$+&(1(\$!(, !3\$(!/+!E' , %!1+!+, , ' !1+!A, ++&83\$!1(!
[8&, 01PJZ /%, B. 1!!](#)

!

., /)+\$. , 4A, ' \$' (+!&' !1!-/(/)\$!&(\$)\$1(&, ' !, -!(#\$!. , /)+\$G!A\$' O&' :!1.10\$4&!. , ' +&O\$)1(&, ' !

P#F/'#5'.@/'0/F#./'\$/C0-"-%'4/44"#-4'5#0'.@"4':#804/'FC&'K/'0/:#0M/MB'"#\$!01(1!.1A(/)\$O!
O/)&' :!(#\$+\$!)\$. ,)O&' :+!419!&' .3/O\$!9, /)!&41: \$G!* , &. \$!)\$. ,)O&' :+G!.#1(13, :+!1' O!A\$)+, ' 13!
&O\$' (&-&\$)+!= ' 14 \$!O&+A319\$O!, ' !(\$#!+.)\$\$' ?B!'"#\$!)\$. ,)O&' :+!%&3!8\$!/+ \$O!-,)!\$O/. 1(&, ' 13!
A/)A, +\$+!)\$31(\$O!(, !(\$&+!. , /)+\$G!&' .3/O&' :!\$*13/1(&, ' +B!'"#\$!)\$. ,)O&' :+!419!8\$!O&+.3, +\$O!(, !, (#\$)!

☒!733!., /)+\$!41(\$)&13+!.)\$1(\$O!89!(#\$!&' +)/. (,)=+?!1)\$!. , A9)&: #(\$O!1' O!. 1' ' , (!8\$!+, 3OU+#1)\$O!

☒!e\$. ,)O&' : +!1)\$!' , (!A\$) 4&((\$O!=1/O&, !,)!*&O\$, ?!%&(#, /(!\$LA3&. &(!A\$) 4&+&&, ' !!

☒!M\$) 4&((\$O!)\$.,)O&' : +!1)\$!' , (!, !8\$!O&+)&8/(\$O!

☒!733!)\$.,)O\$O!+\$++&, ' +!%&33!)\$ 4 1&' !%&(#&' !(#\$!. , /)+\$!+&(\$!,)!/' 3&+(\$O!&-!+&())\$ 1 4 \$O!

!

Q"l 4'5#0': #-78/0"-%'#-\$"-/':\$C44/4!

S, !9, /!%' (l, !E', %!#, %!(, !8\$!+/. . \$++-/3!& !1' !, ' 3&' \$!. , /)+\$^!! (\$)\$1)\$!(#\$(+/O9!(A+!9, /!
' \$SOB!!

")\$1(!)(l6&E\$!1!se\$13!V31++!!

; ' 3&' \$!. 31++\$+!1)\$!(+&3! 31++\$+B!N, /!' \$SO!(, !#1*\$!(#\$(!O&+ .&A3&' \$(, !+&(lO, %' !1' O!+19G!_!14! : , &' :!
(, !%,)E!, ' !(#&+ G!1+%\$3!1+!(#\$(!O\$O&. 1(&, ' !, !1. (/139!-, 33, %!(#), /: #B!!

V, ' +. &, /+39! . #, , +\$(, !s+#, %!/A!n!18+,)8!(#\$(. , ' (\$' (n!+. #SO/3\$!&' !1++&: ' 4\$' (+G!3\$. (/)\$+!1' O!
(1+E+n!1' OG!+\$(!9, /)+\$3-!/A!-,)!+/. . \$++B!W\$(!O!&9!: , 13+!1' O!41E\$!. #\$. E3&+(l, !#3A!9, /!+/. . \$SO!
1' O!%,)E!\$--&. &\$' (39!1' O!&' O\$A\$' O\$' (39B! 1*\$!1!s+/. . \$++!4&' O+\$(t!!

m1' 1: \$!N, /)!"&4\$!V1)\$-/39!!

M\$, A3\$!: '\$ \$)139!O, !8\$(((\$)!&' !1+()/ . (/)\$O!\$' *& , ' 4\$' (B!W, !%#9!' , (!41E\$!&(!\$*\$' !1+&\$)!-,)!
9, /)+\$3-^!W. #SO/3&' : !-3\$L&8&3&(9!&+*\$)9!&4A,)(1' (!, !1!3, (!, -!+(/O\$' (+B!](!&+!&4A,)(1' (!, !(#&' E!, -!
s-3\$L&8&3&(9!1+!(#\$(!)&: #(!, !.)\$1(\$!9, /)! , %' !+. #SO/3\$G!' , (!, !181' O, ' !+. #SO/3\$+!13(, : \$(#)\$B!!

< &(#, /(!1A), -\$++,)!1. (&\$39!)\$4&' O&' : !9, /G!(T+!/A!(, !9, /!(, !41E\$!+/\$)9, /T*\$!133, ((SO!\$' , /: #!
(&4\$!(, !. , 4A3\$(\$!(#\$(!%,)EB!N, /!%&3!8\$!4,)\$!A), O/. (&\$!89!+\$((\$' : !1+&O\$!O\$+&: ' 1(SO!A\$)&, O+!
(#), /: #, /(!(\$!%\$\$E!(, !*&\$%!3\$. (/)\$+G!O, !9, /)!\$10&' : +!1' O!., 4A3\$(\$!. , /)+\$,)EB!!

] -!9, /T)\$!#1*&' : !(), /83\$!#, 30&' : !9, /)+\$3-!)\$+A, ' +&83\$G!A1&)/A!%&(#!1!-\$33, %!. 31++41(\$!,)!\$' 3&+(!
(#)!#3A!, -!1!-14&39!4\$48\$)!(, !. #\$. E!&' !1+!1' !1.. , /' (18&&(9!A1)(' \$)B!!

I 1*\$!1!S\$+&: ' 1(\$O!W(/O9!WA1. \$!1' O!W(19!;) : 1' &b\$O!!

R' -,)(/' 1(\$39G!9, /)!8\$O!&+!: '\$ \$)139!1!81O!A31. \$!(, !O, !%,)Et!W\$(!/A!1!O\$O&. 1(\$O!+(/O9!+A1. \$B!29!
. , 4A3\$(&' : !9, /)!%,)E!(#)\$)\$!)\$A\$1(\$O39G!9, /T3!8\$: &' !(, !\$(+183&+#!1!), /(&' \$B!!

W\$((&' : !/A!1!)\$: /31)!%,)E+A1. \$!,)!, --&. \$!%&3!13+, !#3A!9, /!+(19!,): 1' &b\$O!u' , %&' : !L1. (39!
%#)\$)!(, !-&' O!133!9, /)!&4A,)(1' (!O1(\$+G!-&3\$+G!+93318&&!8, , E+!1' O!1++&: ' 4\$' (+G!%&3!#3A!E\$A!9, /!
, ' !()1. EB!!

3C-M'=: S-#N\$/M%/F/- .0']!1. E' , %3\$O: \$!(#1(!<\$+(\$)' !R' &*\$)+&(9!&+!3, . 1(\$O!, ' !(#\$!)10&(&, ' 13!
31' O+!, -!(#\$(!7' &+&#&' 118\$EG! 1/O\$' , +1/' \$G!6v' 11Aw\$%1E!1' O!V#, ' ' , ' (, ' !c1(&, ' +G!, ' !31' O+!

., ' ' \$. (\$O!%&(#!(#\$!6, ' O, ' !", %' +&A!1' O!W, 48)1!")\$1(&\$+!, -!Jfkd!1' O!(#S&+#!%&(#!; ' \$!
WA, , ' !V, *\$' 1' (!<14A/4B!])\$+A\$. (!(#\$!3, ' :+(1' O&' :!)\$31(&, ' +&A+!(#1(!]' O&: \$' , /+!c1(&, ' +!
#1*\$!(, !(#&+!31' OG!1+!(#\$9!1)\$!(#\$!,)&: &' 13!. 1)\$ (1E\$)+B!]!1. E' , %3\$O: \$!#&+(,)&. 13!1' O!, ' : , &' :!
&' X/+(&. \$+!(#1(!]' O&: \$' , /+!M\$, A3\$+!=F&)+(!c1(&, ' +G!mw(&+!1' O!] /&(?!\$' O/)\$!&' !V1' 101G!1' O!]!
1. . \$A(!)\$+A, ' +&8&8&(9!1+!A1)(!, -!1!A/83&. !&' +(&/(&, ' !(, !. , ')&8/(\$!(, %1)O!)\$*\$13&' :!1' O!
. ,))\$. (&' :!4&+\$O/. 1(&, ' !1+!%\$33!1+!)\$' \$%&' :!)\$+A\$. (-/3!)\$31(&, ' +&A+!%&(#!]' O&: \$' , /+!
. , 4 4 /' &(&\$+!(#), /: #!49!(\$1. #&' :G!)\$+\$1). #!1' O!. , 4 4 /' &(9!+\$)*&. \$B!

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