

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

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\$%&# () (* + , - # . # / , # & 0 1 & 2 3 4 # 2 (5 # / #) (, - & 2 # 3 + & 1 & 6 # 7 (2 # 8)) # 4 & 0 4 9 # 3) & / . & # : + . + 4 # * * * 6 1 () (2 / ; (6 & ; 8 < % (, (2 . = (8 2 , /) <

AB AC

\$%+. #. 48; >#B. &.#/#./53)&#(' #?@!#B, ; &2-2/; 8/4&#
A, +: &2. +4>#(' #B) (2/; (9#C (8); &2#. 48; &, 4. #*% (#
/44&, ; & #38D)+1#%+-%#. 1% () . #, #4%&#A, +4&; #E4/4&. # (#
&0/5+, %&)/4+(, . %+3. #D&4* &&, #; &5 (-2/3%+1#/, ; #
/1/; &5+1#:/2+/D)&. 9#* +4%#/# (18.# (, #32&; +14+, -#4%&#
/1/; &5+1#/#1%+&: &5&, 4#- /3#GGHI6#J0+. 4+, -#)4&2/482&#
(185&, 4. #/, #GGH#D/. &; # (, #2/1&9#32+5/2+)>#D&4* &&, #
K % +4&#. 48; &, 4. #/, ; #C)/1L#. 48; &, 4. 9#D84# ((#' 4&, #
(4%&2#3 (4&, 4+)) >#1 (, 42+D84+, -#(2#5/ . L+, -# /2+/D) & . #
/2&#, (4# / 11 (8, 4&; # (2#4%8. 9#4%&. (; &) . #5 / >#D&#
) +5+4&; 6#N, #4%+. #. 48; >9#4%&# (841 (5&#:/2+/D) &9# / 1/ ; &5+1#
/1%+&: &5&, 49#* / . #5&/ . 82&; #* +4%#/#, (25&; #EG\$ < GB\$#
. 1 (2&6#B (, . + 4&, 4#* +4%# (4%&2#2&. &/21%9#4%ܞ&, 4# 48; >#
Zci bXUgJ [b] ŪMbhfUWU '55;] b Vlj Uf] UY' LbUngYg'
% (* & : &29#1 (, 42 ()) +, -# (2# (4%&2#:/2+/D) &. 9#2/1&#; +; #
, (4#2&/1%#4%#Q#P6PQ# /) 4% (8-%#4# /) 5 (. 4#; +; 1# / ; #
. 48; &, 4. R#3&21&34+(, . # (' #% (* # * &)) #4%&+2#%+-%#. 1% () . #
32&3/2&; #4%&5# (2#1 ()) &- &# / ; #4%&+2# / 5+) ># , 1 (5&#
k YfYhYhk c g f c b [YghLbXcb mg] [b] ŪMbhdfYX] Mfcfg
('# , #GGH6# \$ % 8. 9#2&. 8) 4. #, ; +1/4&# / #1 (, 1&2, +, -#
32&:/) &, 1&# (' # / , #GGH#D > #2/1&# / ; #D&4* &&, #. 48; &, 4. # (' #
; + ' &2&, 4# (1+ (&1 (, (5+1# / ; #&; 81/4+(, /) #D/1L-2 (8, ; . 6#
A cfYcj Yfz' h. Ya i ' h] Uf] UY' LbUng] g ŪbX] b [g] bX] MhY'
4% / 4#4%/1+) / #GGH#. #32+5/2+) >#; 8&#A (#. (1+ (&1 (, (5+1#

'/14(2.#.81%#/.#%+-%#.1% () #. 48; &, 4. R# / 5+) ># , 1 (5&. #
LbXhYei U] mrcZhY] f' di V] WgWcc`g' H\Y ŪbX] b [g
' 2 (5#4%+. #2&. &/21%# / 2&#; +. 18. . &; #, #4&25. # (' # / ; ; 2&. . +, -#
4%&#. >. 4&5+1# . . 8&. #* +4%+, #4%&#A6E6#&; 81/4+(, /) #. >. 4&5#
/ , ; #; +2&14+(, . # (2# 8482&. &/21%# (, #4%&#GGH6

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Introduction
G) 4% (8-%#4%&# / 1/ ; &5+1# / 1%+&: &5&, 4#- / 3#GGHI# . # / #
32&:/) &, 4#32 (D) &5# , #4%&#A, +4&; #E4/4&. 9#4%&2&# . #) +5+4&; #
/ * / 2&, &. . 9# / ; #4%8. 9#; +. 18. . + (, # (' #4%+. #32 (D) &56#
\$%&#! " ! # \$ % & ' " ! " (& \$) \$ % \$ * + ; ! - FGGHI#2&' &2. #A (#4%&#
; +. 3/2+4># , # / 1/ ; &5+1#3&2' (25 / , 1&# / 5 (, -# . 48; &, 4. 6#

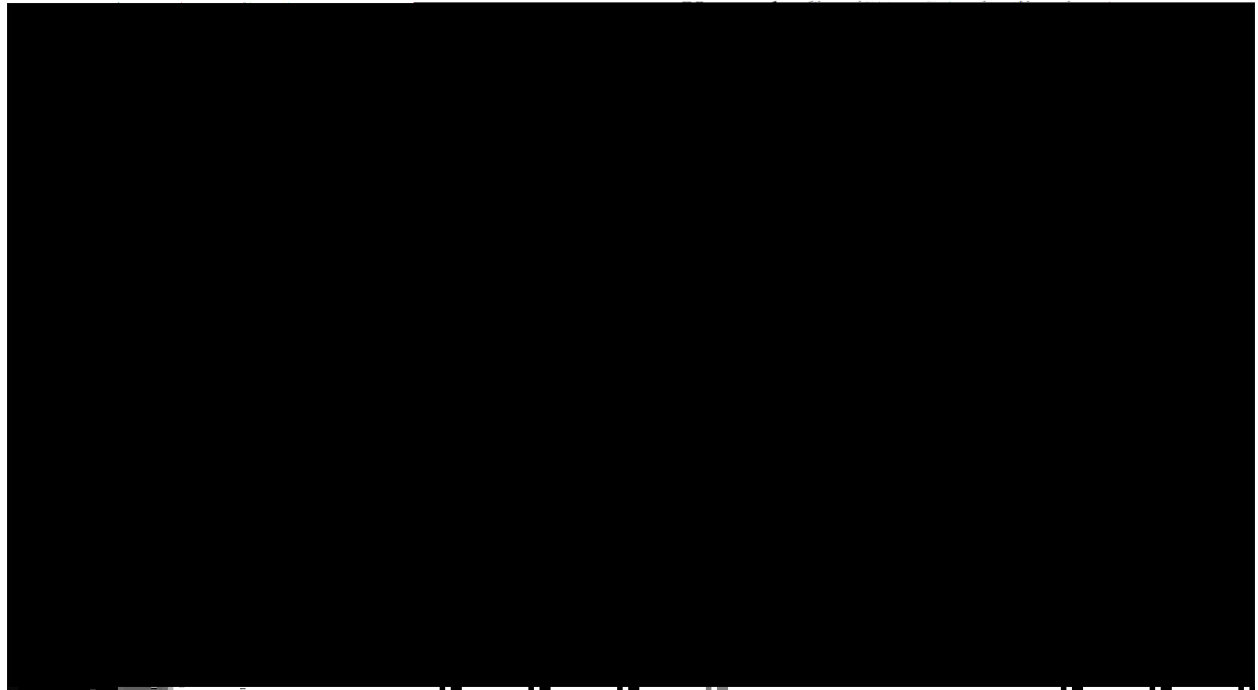
% ' 5' hci [\ ' 6-DC 7 hmd] W' m] bW' XYg5g] Lb' 5a Yf] Mb g' z' h. YyI h' bhfYg' UfW' cb' 55; ŪbXga cfY' g] a] Uf] h] YgYh' k YyB' K \] hY'
LbX' 5g] Lb' 5a Yf] Mb' g' h' YyB' h' z' LbX' g' ca Yf] a Yg' z' h. U' h5g] Lb' 5a Yf] Mb' g' h' YyB' h' \ Y' g] [b] ŪMbh' m' [\ Yf' U' W' Y' a] W' W' W' Y' a YyB' h'
4% / , #K % +4&#. 48; &, 4. 6#N#*)) #B. &#CNSTB# (#2&' &2# (#C) / 1L9#N, ; +&, (8. 9# / ; ; #U / 4+, 0# , ; +: +; 8 /) . 6

; +'&2&, 1&. #; +; #, (4#: /2>#D>#581%#(, #4%I(+, 4#U+L&24#
.1/)&6#

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H\Y'a cghd]j chU ÚbX]b[gcZa rnfYgUfW`Xyf]j YX`
'2(5#\$/D)&#@9#D&1/8.#.#/#58)4+: /2+/4&#/ , /> .+. #4%/4#
5&/ .82&. #58)4+3)&#: /2+/D)&. #(#32& ; +14#% (*#4%&>#53/14#
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:/2+/D)&#('4%+. #.48; >6#G.#5&, 4+(, & ; #&/2)+&2#+, #4%+. #
4%&. +.9#+, 4&2.&14+(, /)+4>#3)/> .#/#.8D.4/ , 4+/)#2()&#*%&, #4#
1(5&. #(#32& ; +14+, -#4#.4#.1(2&.6

6: A A (AC ,
AC A)



\$%&#(841(5&#& ; &3&, ; &, 41#: /2+/D)&#. #4%%2&/4&- (2+&. # (2#4%&#, (25& ; #GB\$#(#EG\$#1/4&- (2+&. #)+.4& ; #/4#4%&#&, ; #
('\$/D)&#a# "PPZXXX9#!PPPZ!hXX9#/, ; #! ?PPj I

°W/1&#* / .#/#, +1%(4(5(8.#: /2+/D)&#* +4%#K %4&#/, ; <(2#G.+/, #G5&2+1/, #k#P#/, ; #C)/1L#/, ; <(2#U/4+, 0#k#16
17/5+)>#, 1(5&#* / .#5&/ .82& ; #/ .#4%&#^#1/4&- (2+&. V#1#k#0#d!09PPP9#a#k#d!09PPPZda?9XXX9#h#k#da09PPPZd?X9PPP9#
?#k#dQP9PPPZd"?9XXX9#Q#k#d"09PPPZdXXX9#X9#k#d!PP9PPPZd!X9XXX9#'#k#d!QP9PPPZd!XX9XXX9#/, ; #^#k#
daPP9PPP#/, ; #(: &26

:U+L&24#2&.3(, .&. #(#&/1%#[8&.4+(, #* &2#k#42(, -)>#/-2&&9#a#k#/-2&&9#h#k#.(5&*%/4#/-2&&9#?#k#, &+4%&2#/-2&&#,(2#
; +./-2&&9#Q#k#.(5&*%/4#; +./-2&&9#@#k#; +./-2&&9#'#k#42(, -)>#; +./-2&&

*1 /2+/D)&. #4%/4#2&/1%& ; #/#3#Q "\$) \$) [b]ÚMbWUfYg\UXY]b[fUháVi hgdW]ÚVg] [b]ÚMbW`Yj YgUfYfYdcfYXZcfYUWj Uf]UVY`
-+: &, #4%/4#4%&#L&>#: /2+/D)/1&#* / .#D/2&>#(: &2#3#0#P6PQ#/, ; #4%/4#4%+-%.1%()#(D#* / .#3#0#P6!P#/, ; #1(8); #D(, .+; &2& ; #/#42&, ; 6

!!X#_#1&, ; &2#i #J4%, +1#E48; +&.

\$/D)&#@#, ; +1/4&. #4%/4#4%&#. 42(, -&. 4#32& ; +14(2#(' #
EG\$<GB\$#. 1(2&. #. #*%&4%&2#/#. 48; &, 4#2&3(24. #4%/4#
4%&+2#%+-%#. 1% ()#32&3/2& ; #4%&5# (2#1 ())&-&9# ()) (* & ; #
D># /5+)>#, 1(5&9#* %&2&9#/. #&03&14& ; 9#%+-%&2# /5+)>#
+, 1(5&. #* &2&)/4& ; #1(#%+-%&2#EG\$<GB\$#. 1(2&. 6#

/, ; #&/2, +, -Z2&)/4&; #2&. (821&.#/, ; #33(248, +4&.#
'(2#1%+); 2&, #*%(#)+: &#/ , ; #2(*# , #4%&# , /4+(, R.#5/ , >#
X]gJxj UbtUj YXVta a i b]hYga i g]a dfcj Yg] [b]UWbhm
D&' (2&#* / , #2&/)+.4+1/)>#&03&14# (#.&&#/1%+& : &5&, 4#
-/3.#1)(.c$#h16#l , #2; &2#(##/ ; ; 2&. .#4%&# , +.12&3/ , 1>#
VYtk Yybigi XYbngk \c \Uj YUWggjhc h.YgY VybYUWU'
2&. (821&.#/4#(5&#/, ; #4%(. &#*%(# , (# , (49#4%&#A6E6#
-(: &2 , 5&, 4#.#(8) ; #&.4/D)+. #.#. (5&#.(24#('32(-2/5#4%/4#
32(+ : &. #8 , ; &232+ :)&-& ; #.48 ; & , 4.#*+4%#./+ ; #2&. (821&.6#
G)4%(8-%#4%+. #.)84+(, #.#/#)/2-&# , : &.45&, 49#4#* (8) ; #
D&#/, #, 12& ; +D)>#/ ; : / , 4/-&(8.# ; &1+.+(, #(. #D&%/)'#(' #
4%&#A6E6#- (: &2 , 5&, 4#D&1/8.#* (8) ; #%&)3#&2/ ; +1/4#
4%&#)/2-&#GGH#4#0+.4.#D&4* && , #.48 ; & , 4.#('# ; +'&2&, 4#
D/1L-2(8 , ; .9#8)4+5/4&)>#&/ ; + , -#(##/5 (2&#& ; 81/4& ; #
. (1+&4>#4%2(8-%(84#4%&#A , +4& ; #E4/4&.6

G ; ; ++(, /))>#(: &2#XPP#8 , +. &2. +4&.#/ , ; #1())&-&.# , #
4%&#A , +4& ; #E4/4&. # , (# , (4#2&[8+2&#/33)+1/ , 4.#(.#.8D5+4#
4%&+2#EG\$<GB\$#A&.4#1(2&.6#S%&#/33)+1/4+(, #34+(, .#
'(2#4%&. &#.1%().#./2>9#D84#5/+ ,)>#1(, .+.4#('D&+ , -#4&.4#
(34+(, /)#/ , #/33)+1/ , 4#%/ .#4%% (+1&#(' #*%&4%&2#(2# , (4#
hcj ga J]h\Y]fG5H#57H'gMzfYgZtM hUM J]VYfUb'

/33)+1/ , 4#1/ , #.8D5+4#(4%&2#4/ , ; /2 ; +Y& ; #4&.4#1(2&.9#
.81%#/.#/, #GS#4&.419#(2#/, #/33)+1/ , 4#1/ , #.8D.4+484%&+2#
4&.4#1(2&#*+4%#/#1)/. .#2/ , L#(2#HSG6#S%&2&#/2&#). (#4&.4#
D)+ , ; c#.1%(.)#4%/4# , (# , (4#1(, .+ ; &2#EG\$<GB\$#1(2&.9#
& : & , #'#4%&>#/2&# , 1)8 ; & ; # , #C , &R.#/33)+1/4+(, #e8 , +Y9#
aPaP16#m82+ , -#4%&#BTI NmZ!X#3/ , ; &5+19#5/ , >#(4%&2#
8 , +. &2. +4&.#/ , ; #1())&-&.#4&53(2/2+)>#8.3& , ; & ; #4%&#
2&[8+2&5&, 4#(##/ , #EG\$<GB\$#1(2&6#G.#(, / , #.&&9#
5/ , >#8 , +. &2. +4&.#/ , ; #1())&-&.# , #4%&#A , +4& ; #E4/4&. #/ : &#
D&-8 , #(#&, 4&24/+ , #4%&# ; &/#(' , (4#2&[8+2+ , -#EG\$<GB\$#
.1(2&. # (2#/ ; 5+ .+(, .#(2# , (4#* &+-%+ , -#4%&5#/.#%&/ : +)>6#
A nfygYUWVU'UbX]b] gYI Ya d]ZtH\Y'a Ubnj Lf]UWYg
4%/4#53/14#/#.48 ; & , 4R.#EG\$<GB\$#1(2&9#4%&2& (2&#
.833(24+ , -#4%&# ; &/#('&)+5+ , /4+ , -#4/ , ; /2 ; +Y& ; #4&.4#
.1(2&. # (2#1())&-&#/# ; 5+ .+(, .# , #4%&#A , +4& ; #E4/4&.6

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J5&2.(, 9#e6#T69#C2/44&29# 6#J69# #B%#n : &Y9#E6#N6#PaP!"16#./ *0%! 1#* , '2! "\$! *#'\$+(*#*#34'5'2\$! #S2#T0' (2; #A , +. &2. +4>#S2&..6
'& , .& , 9#J6#PaPPX16#] (*#3(: &24>#/' '14.#D&#/: +(2#/ , ; #1/ ; &5+1#3&2' (25/ , 1&6#l , #6\$!' (8* , '7#('89)\$2+3'8* : 8*#4' ; (1+'<\$8* , '8992'=9\$>+9'
?#>#<2! 8* >! *#7(!+A"(99#>'C! *'=9! D9E+##336#ho?Q16#GEBm6
e11l , 4(.%9#p69#e (.9#J69#q8 , 9#N69# #E%/5D/8-%9# 6#PaP9#7&D28/2>#a"16#J0/5+ , -#4%&#D)/1LZ*%+4&#&/)4%#- /36#6 (\$'<29978* , >'F*>#E#49*#

C A C : A A , A

E B

\$%&#()(*+, -#.#/, #&01&234#2(5#/#), -&2#3+&1&6#7 (2#8))#&049#3)&/ .&#:+. +4#* * * 61() (2/; (6&; 8<%(, (2.=(82, /)<

\$%&#J, :+2(, 5&, 4/)#S2(4&14+(, #G-&, 1>R.#JSGI#
9I hYfbU 7]j] F][\hg7 ca d']UbWC Z\Wf97F 7 Ck\Uj
'/)&; #(#.&2: &#:8), &2/D)#1(558, +4&.#.8''&2+, -#2(5#
>.4&5+1#&, :+2(, 5&, 4/)#2/1+. 5#%2(8-%#2&-8)/4+(, #
2&'(25#/, ; #&, '(21&5&, 49#/, ; #%/.#, .4&/; #, +.5/, 4)&; #
1(558, +4&.R#&, :+2(, 5&, 4/)#8.4+1&#; &5/, ; .#*%+)&#
1(, .&[8&, 4)>#.833(24+, -#32+:/4&#.&14(2#3&23&42/4(2.#('#
&, :+2(, 5&, 4/)#2/1+.59#D>#(3&2/4+, -#.#/#\1() (2D)+, ; c#
5/, , &2#%/4#.4&5.#2(5#*%+4&#.832&5/1>#/, ; #83%()); .#
k\]h'fj]j]Y[Y''H\]gZ]i fY]gYI Ya d']UYXVnrlY
JBWBTR.#2&.(+; -#/, ; #1)(.+; -c#('#%(53)/+, 4#
UYXVnrfYg]YbHgCZl b]cbhck bž5 UMa U]b'&\$%ž
*%(#1(, 4+, 8&#(#.8''&2#2(5#%&#.4(2/-&#('#1(/)#.#%+, #
bYUfVm5ffck\YUX@UbXU`žXYgd]h'VWUf'j]c\h]cbgCZ
&, :+2(, 5&, 4/)#2&-8)/4+(, .#/, ; #1+:+)#2+-%4.#)/ * 6#
e(2&#%/ , #/#D+)+, #1(, .#('#1(0+1#1(/)#.#%#1(, 4/+ , +, -#
/2.&, +19#5&2182>9#/, ; #)&/; #* &2&#.3+))&; #+, 4(#%&#J 5(2>#
W+: &2# , #p+, -.4(, 9#&, , &.#&#(, #m&1&5D&2#aa, ; 9#
aPP^#J, -)&5/, ZU/; (#&4#/)6#aP!X16#S/24+1)&.#('#1(/)#
/.%#/#2&#L, (*, #(#3&25&/4&#%&#)8, -.9#/, ; #&03(.82/, #
)&/; #(#&8L&5+/9#)8, -#/, ; #D2/+, #1/, 1&2#J, -)&5/, Z
U/; (#&4#/)6#aP!X16#A, ; &2#%&#B(532&%&, .+&#
J, :+2(, 5&, 4/)#N&.3(, .&9#B(53&, ./4+(, 9#/, ; #U+/D+)+4>#
5Vmf7 9F 7 @5kz h\Ygd]`YXVdU Uj k UjVWUg]UYXUj
%/Y/2; (8.#, #&\$, , &.#&9#/, ; #%&#)(1/4+(, #('#%&#.#3+))#
*/.#; &1)/2&; #/#.83&2'8, ; #.+4&#J, -)&5/, ZU/; (#&4#
)6#aP!X16#G#; &1/; &#)/4&29#2&.+; &, 4.#('#p+, -.4(, 9#/, ; #

!aa#_#] (, (2.# (82, /)#aPa!

9D5ŋjC ZŪWcZ7]j]`F][\hgfc 7F Łzbck ħY'97F7Cž
WUja]b[ħUħħY589A ŋjUffLb[Ya Ybhk]ħ ħY`UbXŪ`
:+(/4&; #S+4) N#('##%&#B+:)N+-%4.#G14#('X@?9#?a#
A6E6B6#s#aPPP; 9#/, ; #/-&, 1>#2&-8)/4+(, .9#?P#B676W6#
S/24#`M#+, #(&4%&2#*(2; .9#4%&#GmJ#=#/.#/, #/-&, 1>#4%/4#
fYWj YgZXyFu ŪbLbVŪ ŪggjghbWŁj]c`UħYħY`Y[U`
32(%+D+4+(, #'#: +.12+5+, /4+(, #D/.&; #(&, #2/1&9#1 ()(29#
(2#, /4+(, /)#(2+--+ , #, #%&+2#&, ; &/: (2.#J, -)&5/, Z
U/; (#&4#/)6#aP!X16#S%&#, +4#)#1 (53)/+, 4#&))#(, #, &/#
&/2.9#.# (#(#.3&/L9#/, ; #'4&2#1 (, .+4&, 4)>#.8D5+44+, -#
/; ; +4+(, /)#32((#'##%())#('##(0+1#1 (/)#/.%#.#4(2/-&#(&, #
4% (558, +4>#(##%&#JSG9#/#.#&1 (, ; #1 (53)/+, 4#*/.#
.8D5+44&; #, #aP!@#J, -)&5/, ZU/; (#&4#/)6#aP!X16#S%&#
'())(*Z83#1 (53)/+, 4#*/.#%&, # ())(*&; #D>#/#)/*.8+4#
U[ŪbgħWŁa a i b]ħmā Ya VyfgZcf` '\$`a]`cbzŪYXVmi
5ffck \YUX@UbXŪ` fŋb[`Ya Ūb!@UXc YħU`"#\$%&'Ĥ\Y`
)/* .8+4#*/.#; 2(33&; #4%/, L'8))>9#D84#*/.#/#1)&/2#/44&534#
D>#% +:/4&#. &14(2#(#824%&2#.#) &, 1&#% (558, +4>9#
%+1%#/.#/2&/; >#/#.+14+5#('#, &-)&14#/, ; #53(:&2+. %&; #
)+:, -#1 (, ; +4+(, .6#7+, /))>9#+, #aP!^9#4%&#JSG#38D)+. %&; #/#
aXZ3/-&#)&44&2#4%/4#2&-&14&; #4%/. , ; &2#4%&#/#. &24+(, #
ħUħħYfYk Ūjĭ]bg ZŪYħbhY]YbWŪ ĩc ŪbXħY589A`
[i]ħmčZ]]c`U]b[H]ħYJ =cf5ffck \YUX@UbXŪ`[i]ħm
(#, (, 1(53)+/, 1&#*+4%#/+2#/, ; #*/4&2#[8/)+4>#2&-8)/4+(, .#
FJ, -)&5/, ZU/; (#&4#/)6#aP!X1#J, :+2(, 5&, 4/)#S2(4&14+(, #
G-&, 1>#aP!^9#e/21%#1#J, :+2(, 5&, 4/)#S2(4&14+(, #
G-&, 1>#aP!^9#e/21%#1@16#E81%#/#1 (, 1)8.+(&, #D>#4%&#
JSG#2&+, '(21&.#4%&#.#.>.4&5+1#3/4%*/>. #4%2(8-%#*%+1%#
&, :+2(, 5&, 4/)#2/1+. 5#.#3&23&48/4&; 9#1 (, 42/; +14.#
4%໯(. &#('##%&#/-&, 1>#&.3&1+//))>#4.#JBWBTI9#
/, ; #%/25.#4% &; (5+, /, 4)>#C)/1L#1 (558, +4>#('#
I b]cbħckbk \]YdfcŪħb[ħYdfj] ŪYgVŁcf"

+, #4%#32&; (5+, /, 4)>#*%4&#p+, -.4(, 9#\$&, , &..&&#
1(558, +>#/, ; #4.#53(.+4(, #(, 4(#4%#32&; (5+, /, 4)>#
C)/1L#/, ; #)/2-&)>#53(:&2+.%; #1(558, +>#('A,
+(, 4(*, 9#G)/D/5/9#D>#4(2+, -#./+; #*/.4&#,#4%#&#(1)/#
5ffck\YUX@bXU`zVzbFUXjMgjhY9D5fjgXYUbjhcbicZ
&, :+2(, 5&, 4/)#8.4+1#&/, ; #*/.#/ , #/14#('&, :+2(, 5&, 4/)#
2/1+.56#\$\$%#2/, .3)/, 4#('1(/)#/.%#2(5#%#p+, -.4(, #
.3+))#(A, +(, 4(*, #*/.#, (4#, &1&..2+)>#5(4+:/4&; #D>#
2/1+/#/, +58.9#D84#:+)/4&; #4%#1+:+)#2+-%4.#('A, +(, 4(*, #
2&.+; &, 4.#2&-2/); &.6#J/82/#S8)+; (#aP!QI9#,#%#2#
/, /)>+.#('&, :+2(, 5&, 4/)#2/1+.5#8.4/+, &; #D>#J0+; &#
F/#D/44&2>#2>1>1)+, -#/1+)+>1#(, #4%#J/4+, 0#1(558, +>#
.822(8, ; +, -#J(, #G, -&).9#&03)/+, .#4%/4#2&-8)/4(2>#
, (, 1(53)+/, 1&#*%+1%#4#.&&5.#4%/49#D>#/)##/11(8, 4.#
chYfHUbhY9D5fjg5ffck\YUX@bXU`jg[i]hmcZ:
/, ; #8, &: &, #3/44&2, .#('2&-8)/4(2>#&, '(21&5&, 49c#
12&/4&#/, ; #32(3/-/4&#&, :+2(, 5&, 4/)#2/1+.5#/-/+, .4#
1(558, +4+.#('1(2#S8)+; (#aP!Q9#36#^!P16#N, #%#2#
/, /)>+.9#J0+; &#*/.#32(1&..+,-#^#1%#5+1/).#,#4.#
'/1+)+>9#822(8, ; &; #D>#,&+-%D(2%((; .#1(532+.&; #
)/2-&)>#('*)(*Z, 1(57+-2/, 4.9#/, ; #*/.#, (4#
1(53)>+, -#*+4%#2&-8)/4+(, .#(2#; &1/; &.9#81%#4%/4#
4%#1(558, +>#1(, .&[8&, 4)>#/#/1&; #/#-2&/4&2#2+.L#('#
1/, 1&2#/, ; #3(+, (, +, -#D>#)&/; #/, ; #/2.&, +1#S8)+; (#
aP!QI6#%#2-8&.#4%/4#J0+; &#/.#4%#3(3)84&2#.#32+5/2+)>#
2&.3(, .+D)&#(2#4.#/14+(, .9#/, ; #.#\8))>#/*/2&#('##%/4#
+4#.#; (+, -#/, ; #; (&.#, (4#*+.%#4(#%/25#4.#, &+-%D(2.9#
Vi hHxYUbbVjU kY`!VY]b[cZhY]bg]h hcbzK\jW`
cj Yfk\Ya]b[`mYbYUhgk\]hYg`]gdf]cf]h]nYXj`
5&/, +, -#J0+; &21&+&.#4%#822(8, ; +, -#1(558, +>#
('1(29#*%+1%#.#/; ; +4(, /))>#('*)(*#. (1+(&1(, (5+1#
.4/48.9#/#\2/1+))>#&03&; /D)&c#S8)+; (#aP!Q9#36#^!P16#
7824%&25(2&9#4%#4/4&#/#.#D&&, #&+4%#2#3, *+)+, -9#
8, /D)&9#(2#D(4%9#4(#, &5/, ; #4%/4#J0+; (53)+&.#*+4%#
2&-8)/4+(, .#(2#4%#/#L#&#('##%#&, :+2(, 5&, 4#/, ; #4%#&
1(558, +>9#*%+1%#A+))85+, /4&.#/#)/2-&2#2&-8)/4(2>#
18)482/#.#5848/))>#1(, .4+484&; #D>#4%#2/1+/#
'(25/4+(, c#S8)+; (#aP!Q9#36#^!P16#(-&4%#29#4%#4/4&#
/, ; #J0+; &#*%+1%#,#4%+.#1/./>#2&32&.&, 4#; ; 8.42>#
(2#4%#32+:/4&#&14(219#(21&; #4%#J/4+, 0#1(558, +>#

4(#2&5/+, #/4#/#)(*#. (1+(&1(, (5+1#4/48.#/, ; #.8''&2#
'2(5#; &1)+, +, -#%&/)4%9#/, ; #83%&); #4%#3(38)/2#/, ; #
; &4+5&, 4/)#, /22/4+:#('3&(3)&#('1(2#/.#8, ; &.&2+,-#
/, ; #2&.3(, .+D)&#(2#4%#2#(*, #3(:&2>c#4/#.#/11&34&; #
D>#5/, >#*%+4&.#S8)+; (#aP!Q9#36#^!P16#J0+; &R.#1/.&9#/.#
; +.18..&; #D>#S8)+; (9#.#/#1)/2#3/2/))&#(4%#A, +(, 4(*, #
dYcd`YfjgVzbUjMk]h`5ffck\YUX@bXU`UbXhY`
GmJe6#
N, #A, +(, 4(*, 9#4#.&&5.#(D:+(8.#4%/4#G22(*%&/; #
@bXU`i bXYfgtcXhUh]hgjgcf]YcZVwUj k Lj`
%/25'8)#(2#4%#C)/1L#1(558, +>9#/#.&: +; &, 1&; #D>#
+4.#/44&534#(#.8&#A, +(, 4(*, R.#2&.+; &, 4.#, 4(#.+)&, 1&#
Uci hHxY]gg YzVi hHxYdfcUhdffcXi VwXvMzbXi Vj]b`
D8.+&.#*+4%#5/=(2+>#*%+4(558, +4+.#(84.+; &#('#
G)/D/5/#*/.#('2&/4&2#53(24/, 1&#(4%#1(53/, >#4%/ , #
+4.#, 4&-2+>#/, ; #4%#&)+&.#('4.#, &+-%D(2.6#G; ; +4(, /))>9#
4%#GmJe#/4#4%#4/4&#&.&)9#/, ; #4%#JSG#4#4%#&#&; &2/)#

!a?#_] (, (2.# (82, /)#aPa!

/, ;#4%8.#.&2:&.#(#+.5/,4)&#(2-/,+Y& ;#1(558,+4>#
5&5D&2.#/, ;#4%&+2#1)/+5.#('#+,-8.4+1&#C28, (# #&3.(, #

1/.&#; &5 (, .42/4&. #%#&# (8, ; /4+(, #'*%+4&#. 832&5/1># %/25#('##, .4+484+(, /)#1 ()(2D)+, ; , &..#(, #1(558, +4&. #
83(, #'*%+1%#&: &, # &; &2/)#/, ; #.4/4&#/-&, 1+&. #, &.+-, &; # ('#1 ()(29#*%+). 4#%+-)%+-%4+, -#4%&2. +.4&, 1&#('*%+4&#
4(#/; :/, 1/1+/#&[8/)+>#.4/, ; 9#/, ; #&03(.&. #%#&#. &: &2&# 32+:)&-&#;, #/, #&, :+2(, 5&, 4/)#1(, 4&046

C

C)/1L#C&)4#B+4+Y&, .#7+-%4+, -#(2#] &/)4%#/, ; # 8.4+1&6#f, 6; 616#W&42+&: &; #2(5#%443V<<D)/1LD&)41+4+Y&, .6(2-<6
B%&1L&29#e6#fAPPP"16#AC84#p, (*#WR.#\$28&c#J, :+2(, 5&, 4/)#N+. LiG..&. 5&, 49# 8.4+1&9#/, ; #G, 4%2(3()(->6#GE%!*'H2, !*#I! #9#9#!aZ!a?6
J, -)&5/, ZU/; (9#e69#C8.4(.9#B69#J&.)&ZC()&9#] 69#i #J&8, -9#56#fAP!X9#T14(D&2#?16#J, :+2(, 5&, 4/)#N, -8.4+1&#;, #A, +(, 4(*, 9#G)/D/5/9#m&1/; &. #
/'4&2#%#B+:)#N+-%A.#G14#('#X@?V#W#R.#\$+5(2#G14+(, 6#N&42+&: &; #2(5#%443.V<<*%*6/5&2+1/, D/26(2-<-2(83.<12.<38D)+1/4+(, .<%8Z
5/, u2+%A.u5/-/Y+, &u%(5&<:)ZZ??ZL, (ZaZZ%(8.+,-&:, :+2(, 5&, 4/)#Z+, -8.4+1&Z+, Z8, +(, 4(*, ZZ)/D/5/ZL; &1/; &.Z/'4&2Z4%&<6
J, :+2(, 5&, 4/)# 8.4+1&6#fAP!X9#q(:&5D&2#P16#N&42+&: &; #2(5#%443.V<<*%*6&3/6- (:<:, :+2(, 5&, 4/)#8.4+1&6
J, :+2(, 5&, 4/)#S2(4&14+(, #G-&, 1>6#fAP!^#e/21%#16#N&W#B)(.82&#('G; 5+, +.42/4+: &#B(53)/+, 49#JSG#7+)&#q(6#iawZ!hZ?6#N&42+&: &; #2(5#
 \hhdg##k k k "Ydu[cj #g]Yg#dfcXi V]cb#U'Yg#&\$%!' \$' #XcW#a Ybq#&\$% '\$' "\$%\$'YÜi fS SfYS YHvScZSVtg fYScZSUKa]b]g]fU
Hj YSVta d'U]b]S'U'dXZ'
J, :+2(, 5&, 4/)#S2(4&14+(, #G-&, 1>6#fAP!^#e/21%#16#A6E6#B(55+..+(, #C, #B+:)#N+-%A.#E4/4&5&, 4#N&-/2; +, -#JSG#m&1+.+(, #C, #A, +(, 4(*, 9#
G)/D/5/6#N&42+&: &; #2(5#%443.V<<*%*68.1126- (:<32&..<aP!^<PhZ!@Z.4/4&5&, 4ZJSG63; '6
?]b[gcbzHB"fb"X'L'F Yfj]YX Zca \hhdg##XUHU gJ]c#dfcU'Y#[Yc#_]b[gcb]Hb. XYa c[fUd\]Vg'
U(1L%/249#S6#fAP!^#8)>#X16#J, :+2(, 5&, 4/)#2/1+. 5#.#; /, -&2(8.6#S2853R.#JSG#(&., R4#.&&5#(1/2&6#N&42+&: &; #2(5#%443.V<<*%*6: (06
1(5<+; &, 4+4&.<aP!^<"<X<!"Q?aa?P<:, :+2(, 5&, 4/)#Z/2/1+. 5Z-8.4+1&Z.1(44Z328+44Z; (, /); Z428536
e1N, 4(.%9#S6#f!XXP16#K%+4 +:)&-&W#A, 3/1L+, -#%&#;, :+.)D)&#L, /3./1L6#F*#-\$*#*#*#A"(99#; #*#Z#%443.V<<*%*63116&; 8<2&. (821&.<
)85+, /4+(, <; (185&, 4.<*%+4&Z32+:)&-&Z&.. />Z51+, 4(.%63; '
S8)+; (9#U6#fAP!Q16#H&(-2/3%+&. #('Z/1&#/, ; #&4%, +1+>#V#K %&4&#. 832&5/1>#. #'*%+4 +:)&-&#;, #&, :+2(, 5&, 4/)#2/1+. 5Z&.&/21%#829, 2\$>>'#*'
GE%!*'J\$9, 2I-(3#KZF@9#^PXZ!'"6
W(&+&29#m6#N&6#fAP!^#G97?!"\$>E2)8)\$#'/A'(b+9234#D9%>\$+d\$%\$*+!' *#>#!)\$23+9+(\$"\$B->\$'9M-9>#2!"#i Bb-%#A] (, ; (, V#i &2. (6
\$+/, /#C28, (#i #K&, ; >#&3. (, #fAP!^#e/2L&4+. /4+(, #'&:, :+2(, 5&, 4/)#8.4+1&V#A6E6#JSG#&, :+2(, 5&, 4/)#8.4+1&#.(*1/ .#1(558, +4&. #
32(-&14#, #S(24#G24%829#&0/. 9#U(1/)#J, :+2(, 5&, 49#ahVh9#@"ZaXa9#m T#N#P6!P^P<!hQ?X^hX6aP!"6!?!Q^"h
\$+)&#i #UJ/*.#/, ; #N&-8)/4+(, .6#fAP!X9#T14(D&2#P16#N&42+&: &; #2(5#%443.V<<*%*6&3/6- (:<(12<4+)&Z: +Z)/.*.Z/; ; Z2&-8)/4+(, .6
I b]cbck bZ5@"fb"X'L'F Yfj]YX Zca \hhdg##XUHU gJ]c#dfcU'Y#[Yc#i b]cbck b!U"