

!!!#%&'()*+,(\$- & . , (/ 0&(\$1. &\$2(345*6(/ \$7 *&*66 8 (+9\$: . 8 ; <*'+96\$
1. &\$290 / (+96\$

=> ? 11(,9')(\$@*9(\$*+/\$: A*+B(6\$9.\$- & . , (/ 0&(\$5*6(/\$. +\$: . 0&9\$
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!"#\$%&'()*+,(%-' . , (/ 0'(%*112#(\$%3. %#+, #/(+3\$%3"*3% . , , 0' . +% . '%*43('5060\$3%78%9:9; <5+=%
#+, #/(+3\$%'(1. '3(/%0+/('%3"#\$%&'()*+,(%-' . , (/ 0'(%3"*3% . , , 0'(/% . +% . '%>(4. '(%?02=%@78%9:9; %A#22%
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E" . 02/%*+=1 . '3# . +% . 4%3"(%9:9; %!#32(%CD%F#+*2%G02(%HIJ%F(/<G(6<%@@; K; %H51'<9J8%9:9; LL8>(%
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#+)*2#/%3(/%2(M(+3\$. 4%3"#\$%-' . , (/ 0'(8%3"(%=A#22>(%/(M(/%') . 0(/%*\$% . 4%3"(%10>2# , *3# . +%/%3(% . 4%
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10>2# , *3# . +%>=%3"(%P . 0'3<C4%3"#\$%-' . , (/ 0'(%#%\$') . 0(/%#+%3"#\$%M*+ + ('8%*+=% , . +/0, 3% . ,)'(/%0+/('%
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- . 2# , =%*+/%R. '%S . +T5 , */(M# , %P . /(% . 4%P . +/0, 3% ! . M10#+\$%P . '32*+/%P . MM0+#3=%P . 22(6(%A#22%
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E(UTV*\$(/%W*'\$*\$M(+3%#\$% , . +\$#/(/%/#\$, '%M#+*3# . +% . +%3"(%>*\$%\$% . 4%\$(U#4%#3%#+ , 20/(%)\$*'\$*\$M(+3%
/0(%3. %* , 30*2% . %1(' , (#) (/\$(U\$3(' . 3=1(\$8\$(U , "%* , 3('3#3 , \$81'(6+*+ , =% . '%'(2*3(/% , . +/%3# . +\$8
\$(UO*2% . '#(+3*3# . +8%*+/%R. '%6(+ /%'#/(+3#3=<%

=>>> F0&'6/' , 9' . +\$.1\$ - & . , (/ 0&(\$

! . M10#+\$%P . '32*+/%P . MM0+#3=%P . 22(6(B\$% !#32(%CD%P . . '/#+*3. '% . '%/(103=%A#22/(3('M#+(%#4%3"#\$%
&'()*+,(%-' . , (/ 0'(%*112#(\$%3. %*%P . M12*#+3<!"#\$%&'()*+,(%-' . , (/ 0'(%A#22%*112=A" (+%3"(%
4. 22. A#+6%(2(M(+3\$%*' (M(38%#+%3"(%' (*\$. +*2<%/ (3('M#+*3# . +% . 4%3"(% !#32(%CD%P . . '/#+*3. 'X%

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/ . M(\$3# , %) # . 2(+ , (8/*3#+6%)# . 2(+ , (%*+/%\$3*20#+68%#+A" # , "% , *\$(8%#4\$0 , "% . , , 0'(/% . 44%
, *M10\$% . '%/0'#+6%\$30/= %*>' . */8%A#22>(%\$0>Q(, 3%3. %3"(%Q0#\$%/# , 3# . +% . 4%3"#\$%&'()*+,(%
-' . , (/ 0'([Y%
!"(% . +/0, 3%*22(6(/% . , , 0'(/%#+% ! . M10#+\$%P . '32*+/%P . MM0+#3=%P . 22(6(B\$% \ /0 , #3# . +%
-' . 6'*M% . '%5 , 3#)#3=Y%*+/%%
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&'()*+,(%-' . , (/ 0'(<%

! " # \$ % & ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(% " * \$ % * + % . > 2# 6 * 3# . + #3 . % * / / ' (\$ % % \$ (U T > * \$ (/ % " . \$ 3# 2 (% (+) # ' . + M (+ 3# 0 + / (' % 3 \$ % \ / 0 , * 3# . + % - ' . 6 * M % . ' % 5 , 3#) # 3 = 8 () (+ % A " (+ % \$. M (% , . + / 0 , 3# * 22(6(/ % 3 . % > (% , . + 3 ' # > 03# + 6# 3 . % 3 " (% W . \$ 3# 2 (% \ +) # ' . + M (+ 3# . , , 0 ' ' (/ % . 03\$ # / (% ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(B \$ % \ / 0 , * 3# . + % - ' . 6 * M % . ' % 5 , 3#) # 3 = 8 () . ' . 03\$ # / (% . 4# 3 " (% Z + # 3 (/ % E 3 * 3 (\$ < % ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(B \$ % ! # 32(% C D % P . . ' / # + * 3 . ' % A # 22 % A . ' O % A # 3 " % * 22 % P . M12 * # + * + 3 \$ % 3 . % * \$ \$ (\$ % \$ 0 , " % , . M12 * # + 3 \$ % 3 " % * 3 % M * = % 4 * 22 % 0 + / (' % 3 " (\$ (% , # 3 (' # * 8 % * + / # ' (, 3 % 3 . % * 11 ' . 1 ' # * 3 (% P . 22(6(% - . 2# , # (\$ % * + / % - ' . , (/ 0 ' (% 3 " % * 3 % M * = % * 112 = % # 4 % 3 " # \$ % & ' # () * + , (% - ' . , (/ 0 ' (% / . (\$ % + . 3 < % ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(% A # 22 % , . MM0 + # , * 3 (% * 22 % \$ 0 , " % / (, # \$ # . + \$ % # + % A ' # 3 + 6 # 3 . % 3 " (% P . M12 * # + * + 3 < 5 + = % \$ 0 , " % / # \$ M # \$ % * 2 \$ % \$ * 22 % > (% \$ 0 > Q (, 3# 3 . % * 11 ' . 1 ' # * 3 (% * 11 (* 2 % # 6 " 3 \$ 0 + / (' % 3 " # \$ % & ' # () * + , (% - ' . , (/ 0 ' (% * \$. 032# + (/ % # + # 3 " (%] # \$ M # \$ % * 2 \$ % (, 3# . + % > (2 . A < %

P . + / 0 , 3# 3 " % 3 . , , 0 ' \$ 0 + / (' % ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(B \$ % \ / 0 , * 3# . + % - ' . 6 * M % . ' % 5 , 3#) # 3 = % # + , 20 / (\$ % > 03# \$ % + . 3# 2# M # 3 (/ % 3 . % , . + / 0 , 3# 3 " % 3 . , , 0 ' \$ % # + % * % > 0 # 2 / # + 6 % . A + (/ % . ' , . + 3 ' . 22(/ % > = % * % \$ 30 / (+ 3# . ' 6 * # + # 3# . + # 3 " % 3 # \$ % . 44# , # * 22 = % (, . 6 + # ^ (/ % > = % ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(8 % * + / % , . + / 0 , 3# 3 " % 3 # \$ % \$ 0 > Q (, 3# 3 . % ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(B \$ % / # \$, # 12# + * = % 03 " . ' # 3 = % 0 + / (' % 3 " (% S . + T 5 , * / (M # , % P . / (% . 4# P . + / 0 , 3 < % % C 4 % * 22 % (2 (M (+ 3 \$ % . 4# 00 ' # \$ / # , 3# . + % * ' (% M (38 % ! . M10# + \$ P . '32* + / % P . MM0 + #3 = % P . 22(6(% A # 22 % # +) (\$ 3 # 6 * 3 (% 3 " (% * 22(6 * 3# . + \$ % * , . ' / # + 6 # 3 . % 3 " # \$ % & ' # () * + , (% - ' . , (/ 0 ' (% * \$ % * 11 ' . 1 ' # * 3 (8 % 0 + 2 (\$ % # + 4 . ' M * 2 ' (\$. 203# . + % # \$ % 10 ' \$ 0 (/ % . ' % 3 " (' (% * ' (% 6 ' . 0 + / \$ % 4 . ' % / # \$ M # \$ % * 2 % . 4# 3 " (% , . M12 * # + 3 < %

=G> H . +4@'6, &' 8 '+*9' . +\$'+\$I ; ; <' , *9' . +\$

! " (% (NO# ' (M (+ 3 \$ % * + / % 1 ' . 3 (, 3# . + \$ % . 4# 3 " # \$ % 1 . 2# , = % * 112 = % (NO * 22 = % ' (6 * ' / 2 (\$ % . 4# \$ (U 8 % \$ (U O * 2 % . ' # (+ 3 * 3# . + 8 # 6 (+ / (' % # / (+ 3 # 3 = 8 # 6 (+ / (' % (U 1 ' (\$ % # . + 8 % * , (8 % , . 2 . ' 8 % + * 3# . + * 2 % . ' # 6 # + 8 ' (2 # 6 # . + 8 % , ' ((/ 8 % * 6 (8 % / # \$ % > # 2 # 3 = 8 # 4 * M # 2 # * 2 % \$ 3 * 30 \$ 8 % 1 ' (6 + * + , = 8 # 1 ' (/ # \$ 1 . \$ # + 6 # 6 (+ (3# , % , " * * , 3 (' # 3 # , \$ 8 # M # 2 # 3 * ' = % \$ 3 * 30 \$ 8 % / . M (\$ 3 # , %) # . 2 (+ , (%) # , 3 # M # \$ 3 * 30 \$ 8 % , ' # M # + * 2 % , . +) # , 3# . + 8 % . ' % 3 " (' % 1 ' . 3 (, 3 (/ % , 2 * \$ \$ (\$, .) (' / % > = % * 112# , * > 2 (% 4 (/ (' * 28 % \$ 3 * 3 (8 % . ' % 2 . , * 2 % 2 * A < 5 22 % (NO# ' (M (+ 3 \$ % * + / % 1 ' . 3 (, 3# . + \$ % * ' (% (NO # 3 * > 2 = % 1 ' .) # / (/ % 3 . % # + / #) # / O * 2 \$ % ' (6 * ' / 2 (\$ % . 4# \$ 0 , " % 1 ' . 3 (, 3 (/ % \$ 3 * 30 \$ H (\$ L % . ' % \$ 3 * 30 \$ % * % * % P . M12 * # + * + 38 % G (\$ 1 . + / (+ 38 % . ' % _ # 3 + (\$ % < C + / #) # / O * 2 \$ % A " . % A # \$ " % 3 . % 4 # 2 (% * , . M12 * # + 3 # * > . 03# 3 " (% # + \$ 3 # 303# . + B \$ % 1 . 2# , = % . ' % 1 ' . , (\$ % M * = % , . + 3 * , 3# 3 " (% Z < E < %] (1 * 3 M (+ 3# . 4# \ / 0 , * 3# . + B \$ % ` 44# , (% 4 . ' P #) # 2 # G # 6 " 3 \$ % 0 \$ # + 6 % , . + 3 * , 3# # + 4 . ' M * 3# . + % *) # 2 * > 2 (% * 3 " 331 \$ XRR . , * \$ < (/ < 6 .) R . , + 3 * , 3 T . , ' < C + / #) # / O * 2 \$ % M * = % * 2 \$. % 4 # 2 (% , . M12 * # + 3 \$ % A # 3 " % 3 " (% S (A % a . ' O # E 3 * 3 (%] #) # \$ # . + % . 4# W O M * + % G # 6 " 3 \$ % H] W G L 8 % 0 \$ # + 6 % , . + 3 * , 3# # + 4 . ' M * 3# . + % *) # 2 * > 2 (% * 3 " 331 \$ XRR / " ' < + = 6 .) R . , M12 * # + 3 < %

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- 9< W *) (% / # \$, 2 . \$ 0 ' (\$ % . 4%] . M (\$ 3 # , % c # . 2 (+ , (8 %] * 3 # + 6 # c # . 2 (+ , (8 % E 3 * 20 # + 68 # * + / % E (U O * 2 % 5 \$ % * 023 % 3 ' (* 3 (/ % \$ (' # . 0 \$ 2 = Y %
- @< b * O (% * % / (, # \$ # . + % * > . 03# A " (3 " (' % . ' % + . 3 # 3 . % / # \$, 2 . \$ (% * % , ' # M (% . ' %) # . 2 * 3# . + % * + / % 1 * 3# , # 1 * 3 (% # + % 3 " (% 0 / # , # * 2 % . ' % , . + / 0 , 3 # 1 ' . , (\$ % * + / R . ' % , ' # M # + * 2 % Q O \$ 3 # , (% 1 ' . , (\$ % 4 ' ((% 4 ' . M 1 ' (\$ \$ 0 ' (% > = % 3 " (% # + \$ 3 # 303# . + Y %

;< -*'3#,#1*3(%#+%*1'. ,(\$%3"*3%#4*#8%#M1*'3*28%*+/%1'.)#/(%*/(NO*3(%+.3#,(%*+/%*%
M(*##+6402%.11.'30+#3=%3.%>("(*'/Y%
d< V(%3'(*3(/A#3"%/#6+#3=%*+/%3.%'(#)(%4'.M%3"(%#+\$3#303#.+, .0'3(.0\$8%4*#8%*+/'(\$1(,3402%
"(*23"%,*'(%*+/%. .0+\$2#+6%\$(')#,(8%A"('(%*)*2*>2(Y%
e< V(%4'((%4'.M%*+=\$066(\$3#. +%3"*3%3"(%G(1.'3#+6%C+/#)#/0*2%#%*3%4*023%A"(+%3"(\$('M(\$%
*+/%)#.2*3#.+\$%*(%,.MM#33(/8%.'%\$.02/%**)(%*,3(/%#+%*/#44('(+3%M*++('%3.%*).#/%\$0,"%
,'#M(\$.%)#.2*3#.+\$Y%
K<](\$,'#>(%3"(%#+,#/(+3%3.%*\$4(A%#+\$3#303#.+'(1'(\$(+3*3#)(\$%*\$1'*,3#,*>2(%*+/%+.3%>(%
'(NO#'(/%3.%0++(,(\$%*'2=%'(1(*3%*/(\$,'#13#.+.4%3"(%#+,#/(+3Y%
I< V(%1'.3(,3(/%4'.M%G(3*2*3#. +%>=%3"(%#+\$3#303#. +8%*+=\$E30/(+38%3"(%5, ,0\$(/%*+/%R.'%3"(%
G(\$1.+/(+38%*+/%R.'%3"(%'4'#(+/\$8%4*M#2=%*+/%*,NO*##+3*+,(\$A#3"#+3"(%Q0'\$/#,#,3#. +%.4%3"(%
#+\$3#303#. +Y%
J< 5,,(\$%3.%*3%2(*\$3%.+(%2)(2%.4%*11(*2%.4%*/(3('M#+*3#. +Y%
7:< V(%*,,.M1*+##(/%>=%*+/%)#\$. '%.4%, ".#,(A" .M*=%*\$%\$3%*+/%*/)#\$(%*%G(1.'3#+6%
C+/#)#/0*2%. 'P.M12*##+*+38%5, ,0\$(/8%.'%G(\$1.+/(+3%3"' .06" .03%3"(%Q0/#,#*2%. '%, .+/%,3%
1'. ,(\$%#+,20/#+6%/0'+6%*22%M((3#+6%\$*+/%"(*'+6%\$'(2*3(/%3.%\$0,"%1'. ,(\$%Y%*+/%
77< \U(',\$\$(%,#)#2%'#6"3\$%*+/%1'* ,3#,(.4%'(2#6#. +A#3" .03%#+3('4('(+,(%>=%3"(%#+)(\$3#6*3#)(8%
,'#M#+*2%Q0\$3#,(8%.'%Q0/#,#*2%. '%, .+/%,3%1'. ,(\$%\$.4%3"(%#+\$3#303#. +<%
%

G=> @('1'+ '9'. +6\$

7< !''#\$%&M(*+\$%*1('\$.+%, ,0\$(/%.4%*)# .2*3#. +A" .%*\$%+.3%=(3%(+3(' /%*+##+\$3#303#. +B\$%
Q0/#,#*2%. '%, .+/%,3%1'. ,(\$%<%
9< !&'(\$%) *%M(*+\$%\$(2(,3#. +4%. '1*'3T3#M(8%4022T3#M(8%\$1(,#*28%*\$\$. ,#*3(8%3'*+\$4('8%(U, " *+6(8%. '%
*+=% .3" ('(+)' .22M(+38%M(M>('\$"#18%. 'M*3'#,02*3#. +##+%. '%*3%*+ \ /0, *3#. +%- ' .6'*M. '%
5,3#)#3=. 1('3(/%>=! .M10#+\$P . '32*+/%P .MM0+#3=P .22(6<%
@< +,\$. *%&%/%

*+/R.'%*2,.' .2<P.+\$(+3M*=>(<##+#3#*22=#6#)(+>03A#3"/ '*A+%*3*+=#3#M(<P.+\$(+3, *++ .3%>(<#6#)(+%A" (+%*%1('\$.+%#S#+, *1*, #3*3(/<C+, *1*, #3*3# .+%, ., 0'A" (+%*+##+/)#/O*2*2*, O\$3" (%>#2#3=#3. %O+. A#+62=#, " . \$(%3. %1*'3#, #1*3(##+\$(UO*2*, 3#)#3=<C+, *1*, #3*3# .+M*=>(<%, *O\$(/>=#3"(%2*, O%.4%, .+\$, #. O\$+(\$\$. '%>(#+6*2((18>(#+6##+). 20+3*'2=#('\$'##+(/8%. '%4%*+##+/)#/O*2%.3"('A#\$(% , *++ .3P.+\$(+3<] (1(+/#+6. +%3"(%/(6'((%.4%#+3. U#, *3#. +8\$. M(. +(%A" .%#S0+/'%3"(%#+420(+, (%.4%*2, .".28%/ '06\$8%. '%.3"(%#+3. U#, *+3\$M*=>(<##+, *1*, #3*3(/%*+/%3"('4. '(0+*>2(%3. %P.+\$(+3<P.+\$(+3, *++ .3%>(<#6#)(+A" (+#3#S\$3" ('('\$023%.4%*+=%, .(' , #. +8#+3#M#/*3#. +8%4. ', (8%. '%3"'(*3%.4%*"M< _ "(+P.+\$(+3#A#3"/ '*A+%. '%, *+%. %2. +6('(>(#6#)(+8\$ (UO*2*, 3#)#3=#MOS\$3. 1<fP.+\$(+3[*+/%f*44#M*3#)(%, .+\$(+3[M*=>(<O\$(/#3+' , " *+6(*>2=#0+/'%3"#\$&'#()*+, (%-'. , (/O'(<#%

e< 0) ' 34. (*. *-M(*+\$X%

H7L%*\$30/(+3%. '%(M12.=((%A" .%#S%*22(6(/%3. "%*)(>((+%\$0>Q(, 3(/%3. %, .+/0, 3%3"*3%, .02/%, .+\$3#303(%E(UTV*\$(/%W*'*\$M(+3%\$%/(4#+(/%#+%3"(\$%1'. , (/O'(\$%*+/%A" .%A*\$%1*'3#, #1*3#+6%. '%*33(M13#+6%3. %1*'3#, #1*3(##+! .M10#+\$P. '32*+/%P. MM0+#3=#P. 22(6(BS%\ /0, *3#. +%-'. 6'M%. '%5, 3#)#3=Y%. '%%

H9L%*%1('\$.+% .3"('3"*+%*\$30/(+3%. '%(M12.=((%A" .%#S%*22(6(/%3. "%*)(>((+%\$0>Q(, 3(/%3. %, .+/0, 3%3"*3%, .02/%, .+\$3#303(%E(UTV*\$(/%W*'*\$M(+3O+/'%3"#\$6#()*+, (%1'. , (/O'(\$%*+/%A" .%A*\$%1*'3#, #1*3#+6%. '%*33(M13#+6%3. %1*'3#, #1*3(##+! .M10#+\$P. '32*+/%P. MM0+#3=#P. 22(6(BS%\ /0, *3#. +%-'. 6'M%. '%5, 3#)#3=#*33"(%3#M(% .4%3"(%*22(6(/%E(UTV*\$(/%W*'*\$M(+3<%

5P.M12*#++3M*=%*2\$. %>('4('(/%3. %*\$%*G(1.'3#+6C+/)#/O*2#+%3"#\$&'#()*+, (%-'. , (/O'(8##+*2#6+M(+3A#3"%S(A#a. 'O#E3*3(\ /0, *3#. +%g*A%5 '3#, 2(%79JTV<%

K< 0) ' 34. (*-M(*+\$%*+%. '*2%. 'A'#33(+ '(NO(\$3%3. %! .M10#+\$P. '32*+/%P. MM0+#3=#P. 22(6(%3"*3% .>Q(, 3#)(2=#, *+>(<O+/'\$3. ./%*\$%*%'(NO(\$3%4. '%! .M10#+\$P. '32*+/%P. MM0+#3=#P. 22(6(%3. %#+)(\$3#6*3(%*+/%M*O(%%/(3('M#+*3#. +%*>. O3%*22(6(/%E(UTV*\$(/%W*'*\$M(+3%*3%3"(%#+\$3#303# . +<#%

I< 0) *2(&%*-(.415 ' 34), %%IM(*+\$X%

H7L%*+% (M12.=((%.4%! .M10#+\$P. '32*+/%P. MM0+#3=#P. 22(6(%A" .\$(%, .MM0+#, *3#. +\$%*'('1'#)#2(6(/%O+/'%F(/'2%. '%E3*3(%2*A#!"(%M12.=((BS%, .+4#/(+3*2%\$3\$30\$#%\$. +2=#A#3"%'(\$1(, 3%3. %#+4. 'M*3#. +%(, (#)(/%A"#2(%3"(%M12.=((%#S\$40+, 3#. +#+6%A#3"#+%3"(%\$, .1(% .4%3"('#%/O3#(\$3. %A"#, "%1'#)#2(6(. '%, .+4#/(+3#*2#3=#*112#(\$Y%

H9L%*+% (M12.=((%.4%! .M10#+\$P. '32*+/%P. MM0+#3=#P. 22(6(%A" .M#3"('%(, #1#(+3%*\$% /(\$#6+*3(/%*\$%, .+4#/(+3#*2%4. '%3"(%10'1. \$(%.4%1'.)#/#+6\$(')#, (\$3. %1('\$.+\$%'(2*3(/%3. %E(UT

H@L%*+% (M12.=((% . 4% ! . M10#+\$%P . '32*+/%P . MM0+#3=%P . 22(6(%A" . %#\$% , . +/0,3#+6%*+%
C+\$3#303# . +*2%G()#(A%V . *'/T*11' .)(/%"OM*+T\$0>Q(,3\$%'(\$(*' , "%\$30/=/%(\$#6+(/%3 . %6*3" ('%
#+4 . 'M*3# . +%*>. 03%E(UTV*\$(/%W*'*\$M(+3<% !)"(%(M12.=((B\$% , . +4#/(+3#*2%\$3*30\$#%\$. +2=%
A#3"%(\$1(,3%3 . %#+4 . 'M*3# . +%') , (#)(/%A"#2(% , . +/0,3#+6%3"(%\$30/= <%
%

J< 6(\$"(34(*./,17. *"-)*\$IM(*+\$% , . +\$(NO(+ , (\$%M1 . \$(/% . +%*%G(\$1 . +/(+3%4. 22 . A#+6%*%
/(3('M#+*3# . +%0+/('%3"#S%6'#()*+ , (%1' . , (/0'(%3"*3%3"(%G(\$1 . +/(+3%)# . 2*3(/% ! . M10#+\$%
P . '32*+/%P . MM0+#3=%P . 22(6(B\$%1' . "#>#3# . +%E(UTV*\$(/%W*'*\$M(+3<%
%

7e< 7%<=+. \$%&1> ./ . \$\$ ' %*-M(+\$\$\$(UO*2% '*\$M(+3%*+/%.3" (' '**\$M(+3% . +3" (>*\$#\$. 4%(U8%
#+, 20/#+6% '*\$M(+3%>(< , *0\$(% . 4%6(+ / ('%# / (+3#3=8%(UO*2% . '#(+3*3# . +8%(U% , '* * , 3(' \$3# , \$8%(U%
\$3(' (.3=1(\$8%*+ /R . '%1'(6+*+ , =%*+ /% .3" ('% , . + /#3# . +\$8%3" *3# \$X%%

%
H7L% ! "#\$%&'(%)' (%*+ '+ , , - . /0%5 +%(M12. =((8%*6(+3% . '%.3" ('%1('\$. +%*03" . '#^(/%>=%
! .M10#+\$P . '32*+ /%P .MMO+#3=P .22(6(BS% \ /O , *3# . +% - ' .6'*M% . '%5 , 3#)#3=H(U12# , #32=% . '%
#M12#(/2=% , . + /#3# . +#+6%3" (%1' .)#\$# . +% . 4%\$0 , "%*+ %*# /8%>(+ (4#38% . '%\$(')# , (% . +% *%1('\$. +BS%
1*'3# , #1*3# . +%#++O+A(2 . M(%\$(UO*2% , . + /O , 3Y%%

%
H9L% 2 (, 0#3 . %4/5#'(/ - . /0%*+ '+ , , - . /0%Z+A(2 . M(%\$(UT>*\$\$(/% , . + /O , 3%3" *38%>*\$\$(/% . +%3" (%
3 . 3*2#3= . 4%3" (% , '# , OMS\$3*+ , (\$8%#\$SO>Q(, 3#) (2=%*+ /% .>Q(, 3#) (2=% . 44(+ \$#) (%*+ /%#%\$. %\$(') (% . '%
1(') *\$#) (%3" *3#3#2#M#3\$% . '% / (+(\$%*1('\$. +BS%*>#2#3=%3 . %1*'3# , #1*3(%#++ . '%>(+ (4#3#4' . M%
! .M10#+\$P . '32*+ /%P .MMO+#3=P .22(6(BS% \ /O , *3# . +% - ' .6'*M% . '%5 , 3#)#3=H#<(<8% , '(*3(\$%*%
" . \$3#2(%(+)#' . +M(+3L% _ " (3" ('%*% " . \$3#2(%(+)#' . +M(+3" *\$%>(+ , '%3(/%#\$%*4* , 3T\$1(, #4# , %
#+NO# '=3" *3##+ , 20/(\$% , . +\$# / ('*3# . +% . 4%3" (%4. 22. A#+6X%HL#3" (% / (6' ((%3 . %A" # , "%3" (% , . + /O , 3%
44(, 3(/%3" (%P .M12#+*+3BS%*>#2#3=%3 . %* , , (\$% ! .M10#+\$P . '32*+ /%P .MMO+#3=P .22(6(BS%
\ /O , *3# . +% - ' .6'*M% . '%5 , 3#)#3=YH##L3" (%3=1(8%4' (NO(+ , =8%*+ /% /O '*3# . +% . 4%3" (% , . + /O , 3Y%
H##L3" (% - *'3#(\$B%*6(\$8% . 2(\$A#3"#+% ! .M10#+\$P . '32*+ /%P .MMO+#3=P .22(6(BS% \ /O , *3# . +%
- ' .6'*M% . '%5 , 3#)#3=8%1')# . 0\$%#+3('* , 3# . +\$%*+ /% .3" ('%4* , 3 . '\$%*> . 03%(* , "% - '*3=%3" *3#M*=%>(%
G(2)*+3%3 . % () *20*3#+6%3" (%(44(, 3\$% . 4%3" (% , . + /O , 3Y%HL)L

"

("

3" (#% .A+%, .+ /0,3< !.M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(\$%3' .+62=(+, .0'*6(\$%\$30/(+3\$%3. %
'(1. '3%/ .M(\$3#, %) #. 2(+, (8%/ *3#+6%) #. 2(+, (8%\$3*20#+68% . '%\$(UO*2%*\$%\$*O23%3 . %#+\$3#303# . +%. 44#, #*2\$<5%
>=\$3*+/('%*, 3#+6%#+%6. . /%4*#3''% . '%*%'(1. '3#+6%#+/#) #/O*2%*, 3#+6%#+%6. . /%4*#3''%3''*3/#\$, 2. \$(%*+=%
#+, #/(+3%. 4%/ .M(\$3#, %) #. 2(+, (8%/ *3#+6%) #. 2(+, (8%\$3*20#+68% . '%\$(UO*2%*\$%\$*O23%3. % !.M10#+\$%P . '32*+/%
P .MMO+#3=%P .22(6(B\$% .44#, #*2\$% . '%2*A%(+4. ', (M(+3%A#22#+. 3%>(\$0>Q(, 3%3. % !.M10#+\$%P . '32*+/%
P .MMO+#3=%P .22(6(B\$% . /(% .4%, .+ /O, 3%*, 3#. +%4. '%) #. 2*3#. +\$%. 4%*2, . . 2%*+ /R. '%/ 'O6%O\$(%1. 2#, #(\$
. , , 0''#+6%*3%. '%(+*'%3''(%3#M(% .4%3'' (% , .MM#\$\$#. +%. 4%3'' (% / .M(\$3#, %) #. 2(+, (8%/ *3#+6%) #. 2(+, (8%
\$3*20#+68% . '%\$(UO*2%*\$%\$*O23<%

=O> 5*6', \$C(P0'&(8 (+96\$.1\$9A(\$%&'())*+, (\$-&., (/0&(\$

!.M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(%#%'(NO#'(/%3. X%

!'(*3P .M12*#+*+3\$%*+/%G(\$1. +/(+3\$%(NO#3*>2=V%

\+\$0'(%3''*3%*+=%1('\$.+%/ (\$#6*3(/%>=! .M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(%*\$%*% !#32(%
CD%P . . /#+*3. '8%#+)(\$3#6*3. '8%. '%/(, #\$. +TM*O(' / . (\$#+. 3''*) (%*%, . +42#, 3%. 4%#+3('(\$3. '%>#*\$%
4. '%. '%*6*#+\$3P .M12*#+*+3\$%. '%G(\$1. +/(+3\$%6(+(*22=% . '%*+%%+/#) #/O*2%P .M12*#+*+3%. '%
G(\$1. +/(+3Y%

\\$3*>2#\$''(*\$. +*>2=1'. M13#M(4'*M(\$%4. '%3''(%M*Q. '%\$3*6(\$% .4%3''#\$%&'#() *+, (%-'. , (/O'(8%
#+, 20/#+6%*%1'. , (\$\$3''*3%*22. A\$4. '%3''('(*\$. +*>2(%(U3(+\$. +%. 4%3#M(4'*M(\$% .+%%, *\$(T>=T
, *\$(>*\$%\$4. '%6. . /%, *O\$(A#3''#+. 3#, (%3. %3''(%- '*3#(\$3''*3%#+, 20/(\$%3''('(*\$. +%4. '%3''(% / (2*=Y%
\+\$0'(%3''*3%*!(*\$. +*>2(\$3(1\$3. %1'. 3(, 3%3''(%1'#) *, =%. 4%3''(%- '*3#(\$%*+/%A#3+(\$(\$% /O'#+6%3''(%
1(+/(+ , =%. 4%3''(%&'#() *+, (%-'. , (/O'(%*%'(%3*O(+8%1'.) #/(/%3''*3%3''(\$3(1\$% / . +. 3%'(\$3'#, 3%3''(%
*>#2#3#(\$% .4%3''(%- '*3#(\$%3. % .>3*#+%*+/%1'(\$(+3%) #/(+ , (8%#+, 20/#+6%>=\$1(*O#+6%3. %A#3+(\$(\$%
!

A"('(*112#, *2(8%3"(%#M1.'3*+, (%.4%1'(\$')#6%)#/(+, (%*+/%.>3*#+#6)*\$(UO*2%*\$*023%
4.'(+\$, (%U*M#+*3#. +%*\$%\$. .+%*\$%1.\$#\$>2(8%*+/%/(3*#2#+6%3"*3%3"(%, '#M#+*2%QO\$3#, (%1'. , (\$\$
O3#2#^(\$/#44('(+3%\$3*+/*'/\$%.4%1'. .4%*+/%)#/(+, (%*+/%3"*3%*+=%NO(\$3#. +\$%*>.03%A"('3"('*%
\$1(, #4#, ##+, #/(+3%)#.2*3(/%S(A#a.'O%-(+*2%g*A%\$".02/%>(%*//'(\$\$/%3.%2*A%(+4.'. (M(+3%
. '%3.%3"(%/#\$3'#, 3%*33.'+(=8%A".%\$"*22%*2\$.%(U12*#+%A"('3"('"%.'%\$"(##\$%*O3". '#^(/%3.%44('%
3"('%(1.'3#+6%#+/#)#/O*2%, .+4#/(+3#*2#3=%.'1'#)*, =8%*+/%\$"*22%#+4.'M%3"(%P.M12*#+*+3%.4%
.3"('%'(1.'3#+6%.13#. +\$Y%

]#\$,2.\$(%,. +4#/(+3#*22=%3"(%#+, #/(+3%3.%#+\$3#3O3#. +%(1'(\$+3*3#)(\$8%A".%M*=%44('%
, .+4#/(+3#*2#3=%10'\$O*+3%3.%*112#, *2(2*A\$%*+/%, *+*\$%\$3%#+%.>3*#+#6%\$(')#, (\$4.'%
P.M12*#+*+3\$Y%

]#\$,2.\$(%,. +4#/(+3#*22=%3"(%#+, #/(+3%*+/%.>3*#+%\$(')#, (\$4'.M%3"(%\$3*3(%.'2.,601.92c3(!)TjEO.2(3)0.2(%#)

%

0)*-.'-l@*2)/'.-()*l2)/l-A%lB(-4%l@C10))/&(*.-)/Dl

S*M(X%P*' .2=+%V. .+(%

!#32(X%P"#(4%-.2#,=%*/%P.M12*#+,(%`44#,(%

`44#,(%5//'(X%G.M99J%

\M*#2%5//'(X%#!32(CD i 3.M10#+\$,.'32*+/(/O%

!(2(1".+(%SOM>('X%e:K<I;;<I9998%(U3<;9I@%

6%3#-,10))/&(*.-)/\$Dl

l

] *'(\$[] .SO*28%5\$\$.,#3<%c#,(%-('\$#/(+3%4.'%E30/(+3%544*#'\$8%G..M9;I8%e:K<I;;<edJ7%

?.'+%&(*'8%c#,(%-('\$#/(+3%4.'%WOM*+G(\$.'0',(\$8%G..M97J8%e:K<I;;<I999%(U3<;;:;%

E(3'"!'.M1\$.+8%c#,(%-('\$#/(+3%4.'%E30/(+3%544*#'\$8%G..M9;I8%e:K<I;;<I999%(U3<;@dI%

%

N(/F#\$./0#+3%E.&('0,%

%

!"(%4.22.A#+6%.44#,#*2\$%*3%! .M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%A#22%1'.)#/(%1'#)*,=8%>03+.3%
,.+4#/(+3#*2#3=8%01.+'(,(#)#+6%*%'(1.'3%.4%,.+/0,3%1'."#>#3(/%>=#!#32(%CDX%

!#32(%CD%P..'/#+*3.'%.'%/(%#6+(H\$LY%

`44#,#*2\$%A#3""503".'#3=%3.%#+\$3#303(%,' '(,3#)(M(*\$0'(\$0+/'!#32(%CDY%

522%.3"('%(M12.=((%\$*3%! .M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%3"*3*%'(+.3%/(%#6+*3(/%*\$%
,.+4#/(+3#*2%'(\$.'0',(\$%

!"(%4.22.A#+6%.44#,#*2\$%*3%! .M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%M*=1'.)#/(%,.+4#/(+3#*2#3=X%

?(+*##G.\$\$.A8%P2#+##,*2%b(+3*2%W(*23"%P.0+\$2.'8%G..M9@:8%e:K<I;;<I9998%(U3<edKK8%

Q'7;K i 3.M10#+\$,.'32*+/(/O%

5+6(2#+(%b,P.M>8%P.22(6(%G(6#3('(/%S0'\$(8%G..M77I8%e:K<I;;<I999%(U3<;@IK8%

(M:@e i 3.M10#+\$,.'32+/(/O%

%

!"('(%*'(%.3"('% ,.+4#/(+3#*2%.13#.+\$%*)*#2*>2(%4.'%,'#\$%#3(')(+3#.+8%('\$.'0',(\$%*+/'(4('*2\$8%>03%
3"(\$(%*'(%+.3%'(1.'3#+6%M(*+##M\$3.3"(%#+\$3#303#.+8%M(*+##6%3"*3%/#\$,2.\$0'(%+.3%*,*22%3.%+(%4%
3"(\$(%".32#+(\$%/.(%\$+.3%1'.)#/(%*+##+4.'M*3#.+3%!.M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%<%

P.M12*#+*+3\$%*'(%,.0'*6(/%3.%*///#3#.+*22=%,.+3*,3%*%,*M10\$, .+4#/(+3#*2%.1'#)*3(%'(\$.'0',(%\$.%
3"*3%! .M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%*,+3*0(%*11'.1'#*3(%*,3#.+##+13"(\$(%,\$<E.M(%
'(\$.'0',(\$4.'%,.+4#/(+3#*2%/#\$,2.\$0'(!!"#%3.3"(%#+\$3#303#.+*%'(X%

!"(%S(A%a.'O%E3*3(%`44#,(%4.'3"(%-'()(+3#.+%.4%].M(\$3#,%c#.2(+,(%" .32#+(\$X%

"331XRRAAA<.1/)<+6.)R"(21R/)" .32#+(\$<'3M2<5//#3#.+*2%/#\$,2.\$0'(%*+/'\$#\$3*+,(\$

.13#.+3%3"*3%,*+>(%4.0+/%*+/'%1'(\$+3(/%#+\$%)('*2*+60*6(\$%,*+*2\$.>(%4.0+/'('X%

"331XRRAAA<.1/)<+6.)R"(21R+/<U<'3M2%h.'%>=#,*22#+6%7TI::TJ;9TeJ:eL<

E0')?0\$3#, (X% "331XRR\$0')00\$3#, (<.'6R.O'T\$(')#, (\$R,#)#2T'#6"3\$T,.M12*#+3\$RY%%
g(6*2% b .M(+30M X% "331\$XRRAAA<2(6*2M.M(+30M<.'6RY%
S aEP 5 E5 X% "331\$XRR+=\$, *\$*<.'6R'(\$1.+/#+6Y%
S aEP 5] cX% "331XRRAAA<+=\$, */)<.'6RY%

\U3(+\$#.+\$%.4%/(*/2#+(\$%. '3"('%,.O'\$<T'(2*3(/%*/QO\$3M(+3\$%
b ./#4#, *3#.+\$%.4%A.'O%. '%,2*\$*\$\$, "(/O2(\$%
P*M10\$%(\$, . '3\$('\$)#, (\$8%*\$%*)*#2*>2(%
G(\$3'#,3#.+\$%.+%, .+3*,3%*112#(/%3.%.+(%.'%M.'(%- *'3#(\$%H+.%, .+3*,3

E)-%l)*l

!\$"

"

\$011. '3#) (%M(*\$0'(%/#' (,32=#M1*,3\$%3" (%- *'3=#M*O#+6%\$0, "%, " *22(+6(%H#(<8%3A.TA*=%+.%, .+3*,3%
. ' / ('\$L<

%

4 - . '= . / ?D%E. - (5+3%

%

!.M10#+\$%P. '32*+/%P.MMO+#3=%P.22(6(%'(3*#+\$%3" (%*O3" . '#3=%3. %' (M.) (%*%G(\$1. + / (+3%4' .M%*22% . '%
1*'3%.4%!.M10#+\$%P. '32*+/%P.MMO+#3=%P.22(6(

O=> SA(\$S'9<(\$=O\$%&'()*+,(\$-&.,(/0&(\$1.&\$2(345*6(/\$
7*&*668(+9\$Q,,0&&'+B\$5(9E((+\$290/(+96\$
\$

I>

'(*\$.+*>2(%,.+,('+\$%*>.03%3"(%P.M12*#+*+3B\$%\$*4(3=%.'%3"(%\$*4(3=%.4%.3"('\$8%#+,20/#+6%>=%
1'.)#/#+6%E011.'3#)(%b(*\$0'(\$%*\$2#\$3(/%#+%E(,3#.+%cC%.4%3"#%&'#()*+,(%-'',(/O'(<#
%

I,%0*.'.+%&+'0#?'3+'%F(''+0%0*+0%0*.%N(-&3+#/0%/..\$,%0(%G.%#/T%
%

5\$%/(4#+(/%#+%cCheL%.4%3"#%&'#()*+,(%-'',(/O'(8%*%P.M12*#+3%,*+%>(%*+%. '*2%. 'A'#33(+%'(NO(\$3%3.%
!.M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%3"*3%.>Q(,3#)(2=%,*+%>(O+/'\$3../%*\$%*' (NO(\$3%4.'%
!.M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%3.#+)(\$3#6*3(%*+/%M*O(%*/(3('M#+*3#.+%*>.03%*22(6(/%
E(UTV*\$(/%W*'*\$M(+3%*3%3"(%#+\$3#303#. +<%
%

S*(%?+/%Z%'.&('0%+%N(-&3+#/0%(T%
%

5+=%'(1.'3\$%.4%E(UTV*\$(/%W*'*\$M(+3%M*=%>(M*/(%/#'(,32=%3.%3"(%!#32(%CD%P..'/#+*3.'8%A".\$(%
,.+3*,3%#+4.'M*3#.+%#\$2#\$3(/%*3%3"(%>(6#++#+6%.4%3"#

!"(%G(\$1. + / (+3%#\$%+. 3%1*'3#,#1*3#+6%#+%!.M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(BS%
\ /0,*3#. +% - '.6'*M%. '%5,3#)#3=%*+/%#\$%+.3%(M12.=(/%>=%!.M10#+\$%P.'32*+/%P.MMO+#3=%
P.22(6(Y%
!"(%P.M12*#+*+3%).20+3*'#2=%A#3"/'*A\$%*+=%.'%*22.4%3"(%*22(6*3#.+\$%#+%3"(%,.M12*#+38%3"(%
!#32(%CD%P..'/#+*3.'%/(,2#+(\$%3.%#+#3#*3(%*%,.M12*#+3%.4%3"(\$%1'.,(/O'(\$8%*+/%!.M10#+\$%
P.'32*+/%P.MMO+#3=%P.22(6(%/(3('M#+(\$%3"*38%A#3".03%3"(%P.M12*#+*+3B\$%A#3"/'*A+%
*22(6*3#.+8%3"(%,.+/O,3%3"*3%(M*#+\$%*22(6(/%#+%3"(%,.M12*#+38%#4*+=8%A.02/%+.3%,.+3#303(%
E(UTV*\$(/%W*'*\$M(+3%

C4%3"(%/#M#\$\$*2%.,O'\$%*43('3"(%G(\$1./(/+3%"*\$>((+#+.3#4#(/% .4%3"(%*22(6*3#.+\$8%3"(+! .M10#+\$%
P.'32*+/%P.MMO+#3=%P.22(6(MO\$3%*2\$.%+.3#4=%3"(%G(\$1./(/+3%3"*3%3"(%/#M#\$\$*2%M*=%>(%
*11(*2(/%.+%3"(%6'.0+/\$\$(3.03%*>.)(<%
%
!"(%\$O>M#\$\$#. +%.4%*11(*2%\$3*=\$%*+=\$%*+,3#.+\$%4.'3"(%1(+/(+,%=.4%*+%*11(*2<E011.'3#)(%
M(*\$O'(\$%*+/%'(M.3(2(*'+#+6%.11.'30+#3#(\$H#4%1.\$#\$>2(L'(M*#+%*)*#2*>2(%/O'#+6%3"(%1(+/(+,%=.4%
3"(%*11(*2<
%
C4%*%-'3=%*11(*2\$8%3"(%#+\$3#303#. +A#22%*\$%\$. .+%*\$1',3#,*>2(+.3#4=%3"(%.'3"(%-'3=%#+A'#3#+6%.4%
3"(%*11(*28%".A)(%'3"(%3#M(%4.'%*11(*2%"*22>(.44('(/(NO#3*>2=%3.%*22%-'3#(\$%*+/%\$"*22%+.3%>(%
(U3(+/(/%4.'%*+=%-'3=\$.2(2=%>(*O\$(%3"(%.'3"(%-'3=#4#2(/%*+%*11(*2<
%
5 11(*2\$M*=%>(+.%2.+6('3"*+%7:%1*6(\$H#+,20/#+6%*33*, "M(+3\$L<%5 11(*2\$%" .02/%>(\$O>M#33(/%
#+%(2(,3'.+#+,4.'M%O\$#+6%5 GC5 g%. '%!Cb \E\$ _G` b 5 S8%79T1.#+3%4.+38%M*'6#+\$%+.3%2(\$%3"*+
7%#+, "8%*+/%/.0>2(T\$1*, (/<%5 11(*2\$%" .02/%O\$(%4. .3+.3(\$8%+.3%(+/+.3(\$<%5 11(*2\$%3"*3%/ .%+.3%M((3%
3"(\$(\$%3*+/*'/\$M*=%>('30'+(/%3.%3"(%-'3=#4.'%,.'',3#. +8%>O3%3"(%3#M(%4.'%*11(*2%A#22%+.3%>(%
(U3(+/(/%O+2(\$%3"('(%#\$(%)#/(+,(%3"*3%3(,"+#+,*2%M*240+,3#. +%, *O\$(/%3"(%*11(*2%/.,OM(+3%+.3%3.%
M((3%3"(\$(\$%3*+/*'/\$<
%
5 11(*2\$A#22%>(<#/(, #/(/%>=%

5%\$3*3(M(+3%3"*3%3"(%- *'3#(\$%*'(%(+3#32(/%3.%%+%(NO*2%.11.'30+#3=%3.%%*,(\$%3"(%G(2()*+3%
*+/%+.3%.3"('A#\$(%#M1('M#\$\$#>2(%)#/(+,(Y%
5%\$3*3(M(+3%3"*3%3"(%G(\$1.+/(+3%#%\$1'(\$OM(/%+.3%'(\$1.+#\$>2(%4.'%3"(%*22(6(/%E(UTV*\$(/%
W*'\$M(+3%O+3#2%*/(3('M#+*3#.+#\$M*/(%*3%3"(% ,.+ ,20\$#. +%.4%! .M10#+\$P.'32*+/%
P.MMO+#3=%P.22(6(B\$%&'#()*+,(%-' . ,(/O'(%*+/%3"*3%1'#.'%3.%3"(%/(3('M#+*3#. +8%3"(%
- *'3#(\$A#22%"*)(%*+%.11.'30+#3=%3.%1'(\$+3%G(2()*+3%*+/%+.3%.3"('A#\$(%#M1('M#\$\$#>2(%
()#/(+,(%3.%*%3'*#+(/8%#M1*'3#*2%/(, #\$. +TM*O('Y%
- *'3#(\$M*=%"*)(%*+%/)#\$. '%.4%3"('#%,".#,(8%*+/%3"*3%3"(%*/)#\$. '%M*=%>(8%>03%#\$\$+.3%
'(NO#'(/%3.%>(8%*+/%*33.'+(=Y%
!.M10#+\$P.'32*+/%P.MMO+#3=%P.22(6(B\$%,./(%4%,./+O,3%1'."#>#3\$%O+.A#+62=%M*O#+6%
4*2\$(\$3*3(M(+3\$%. 'O+.A#+62=%\$O>M#33#+6%4*2\$(%#+4.'M*3#. +%/O'#+6%! .M10#+\$P.'32*+/%
P.MMO+#3=%P.22(6(B\$%&'#()*+,(%-' . ,(/O'(\$Y%*+/%
C48%#+%3"(% ,.O'\$(%.4%*+%#+)(\$3#6*3#. +8%! .M10#+\$P.'32*+/%P.MMO+#3=%P.22(6(/(, #/(\$%3.%
#+)(\$3#6*3(%*//#3#. +*2%*22(6*3#. +\$%.4%E(UTV*\$(/%W*'\$M(+3%>=%3"(%G(\$1.+/(+3%3.A*'/%3"(%
P.M12*#+*+3%3"*3%*'(%+.3%#+,20/(/%#+%3"(%.'#6#+*2%A'#33(+%S0.22c mBT5 .292c mBT5 01751 .074-380Tm/TT81T1

. '#M12=%3" (%P . M12*#+*+3B\$%P

#%"

"

.3"('A#3+(\$\$3*3(M(+3\$< !.M10#+\$%P.'32*+/%P.MM0+#3=%P.22(6(%A#22%+.3%3''(*3(+8%,.(',(8%
#+3#M#/*3(%.'%/#\$, '#M#+*3(%*6*#+\$3%*+=% -*'3=%#+%*+%*33(M13%3.%\$(,0'(<'3''(%-*'3=BS%1*'3#, #1*3#. +< !"(%
/(, #\$. +TM*O('%,*++ .3%/'*A%

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! ".,0#(/#/=K+ '0#.,%+/\$% S#0/.,.,,%

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] O'#+6%*%2#)(%"(*'#+68%(*,"%-*'3=#\$%*22.A(/%3.%*\$O%G(2C)*+3%*+/%+.3%.3"('A#\$(%#M1('M#\$#>2(%
NO(\$3#.+\$%*+/%4.22.AT01%NO(\$3#.+\$%.4%3"(%-*'3#(\$%*+/%A#3+(\$(\$%3"'06"%3"(%/(/,\$#\$.+TM*O('S.#
NO(\$3#.++6%3.%*+.3"(%-*'3=#.%A#3+(\$\$A#22%>C(.,+/O,3(/%>=#%*%-*'3=#1('\$.+*22=<%

%

%

K'(?.\$"'.,%F('%<.?#,#(/M-+B.'X,%45+3"+0#(/%(F! ".,0#(/,%+/\$%R#-#0+0#(/%(/! ".,0#(/,%

%

!"(/(/,\$#\$.+TM*O('%A#22%/3('M#+(%A"3"('%*%1'.1.\$(/%NO(\$3#.+%#%\$G(2C)*+3%*+/%+.3%.3"('A#\$(%
#M1('M#\$#>2(%*\$%/(,\$#>(/%#+%3"#%&#'()*+,(%-'.,(/O'(8%1'#.%3.%3"(%NO(\$3#.+%>(#+6%1.\$(/8%*+/%
A#22%(U12*#+%*+=%/(/,\$#\$.+3%(U,20/(/%*%NO(\$3#.+%*\$%+.3%G(2C)*+3%.%.3"('A#\$(%#M1('M#\$#>2(<%

%

C4%*/(/,\$#\$.+TM*O('%/(3('M#+(%3"*3%*%-*'3=B%NO(\$3#.+%#%\$G(2C)*+3%*+/%+.3%.3"('A#\$(%
#M1('M#\$#>2(8%3"(+%3"(%NO(\$3#.+%MO\$3%>(%*\$O(/%O+2(\$\$%O,"%NO(\$3#.+%#%\$O+,2(*'%.%'***\$%\$#+6%.4%
3"(%-*'3=#.%A#3+(\$\$>(#+6%NO(\$3#.+(/<! "(/(/,\$#\$.+TM*O('%MO\$3%6#)(%*%-*'3=#%*+%.11.'30+#3=#3.%
,2*'#4=#.%')#\$(%*%NO(\$3#.+%3"*3%/(/,\$#\$.+TM*O('%*\$%/(3('M#+(/%#%\$O+,2(*'%.%'***\$%\$#+6%*+/%8%#4%3"(%
-*'3=#O44#,#(+32=#,2*'#4#(\$%.')#\$(%*\$%NO(\$3#.+%\$.%3"*3%#3%\$%+.2.+6('%O+,2(*'%.%'***\$%\$#+6%8%3"(%
NO(\$3#.+%MO\$3%>(%*\$O(/<%

%

E.F",+3%0(%E.,&(/\$%0(%! ".,0#(/,%+/\$%I/F.'. /?.,%V+,.\$%(/%E.F",+3%0(%E.,&(/\$%0(%! ".,0#(/,%

%

5%/(,\$#\$.+TM*O('%M*=%, "..\$(%3.%12*,(%2(\$\$%. '%+.%A(#6"3%01.+\$3*3(M(+3\$%>=#%*%-*'3=#.%A#3+(\$\$%
A".'(40\$(\$%3.%'(\$1.+/%3.%NO(\$3#.+\$%/(M(/%G(2C)*+3%*+/%+.3%#M1('M#\$#>2(<%

%

!"(/(/,\$#\$.+TM*O('%MO\$3#+.3%/ '*A%*+#+4('(+,(%*>.03%A"3"('E(UTV*\$(/%W*'*\$SM(+3%.,,0'(/%
>*\$(/%\$.2(2=#.%*%*%-*'3=B%#.%A#3+(\$\$B%'(40\$*2%3.%'(\$1.+/%3.%\$O,"%NO(\$3#.+\$%<%

%

GZg\E`F`] \ P` GZ b %H4. '%2#+OSL%

%

4.51)-+&)6&*7+&8.2+-&)6&9+:+)5.0&

!#32(%CD%"(*'#+6\$%*(%+.3%,)#2%. '%,#M#+*2%1'.,((/#+6\$8%*+/%*'(%.3%/(\$%6+(/%3.%M#M#,%4.'M*2%3'#*2%
1'.,((/#+6\$%*+/%*'('%1'#M*'#2=#(/O,*3#. +*2%#++*30'(<%

!.%*,#")(%3"#%\$10'1.\$(8%!P@%*"*\$%*/.13(/%3"(\$('%(*\$.+*>2('O2(\$%.4%.' /('%*+/%/(/,.'OM8%A"#, "%
M*=#>(%(+4.'. /%3"'06"%3"(%'(M.) *2%.4%*+%/)#\$. '%A".'%(40\$(\$%3%.,.M12=%A#3"%3"('O2(<%

53%>*\$(\$8%3"(\$(%G0(\$%.4%](/,.'OM'('NO'(%3"*3%*22%1*'3#(\$8%*/)#\$. '\$%.4%, ".#,(8%*+/%#+\$3%303#. +*2%\$3*44%
3'(*3%.3"('\$A".'%*(%(+6*6(/%#+%3"(%1'. ,(\$\$A#3"%'(\$1(,3<%

!"(%'02(\$%*/+%\$3*/+*/%\$%112=(NO*22=%3.%*22-%'3#(\$%*/+%3"('#%5/)#\$.'\$'(6*/2(\$\$.4%(U8%6(+/'8%
. '%.3"('1'.3(3(/%,2*\$8%*/+/'(6*/2(\$\$.4%A"(3"('3"(%=*'(%#+%3"('%'.2(%'.4%P.M12*#+*+3%.'%
G(\$1.+/(+3<%

&

8.2+<k)6k9+:)5.0%

!"(%4.22.A#+6%G02(\$\$.4%](,.'OM%*(%3.%>(%>\$(')/(/#+*%22\$(UT>*\$(/%/#\$, '#M#+*3#. +%"(*'+6\$%*/+
*112#(/%(NO*22=%3.%(('=.+(%1'(\$(+3%HM(*#++6%3"(%,.M12*#+*+3%*/+/'(\$1.+/(+3L%*/+/*%)#\$.'\$8%*\$
A(22%*\$A#3+(\$(\$X%

7< h0(\$3#.+MOS3%>(%,.+)=(/##+%*%+(O3'*2%3.+(<%

9< C+/#)#/O*2\$%*/+/*%)#\$.'\$A#22%'(4('%3.%'.3"('##+/#)#/O*2\$8%A#3+(\$(\$8%*/)#\$.'\$8%*/+/
#+\$3#303#.+*2%\$3*44%O\$#+6%3"(%+*M(%*/+6(+/'(O\$(/%>=%3"(%1('\$+.+%*/+%\$'*22+.3%
#+3(+3#.+*22=%M\$T+*M(%.'%M#T6(+/'(3"*3%1('\$+.+%#+, .MMO+#,*3#.+%. '%NO(\$3#.+#+6<%

@< S.%.(%M*=*%,3%*>O\$#)(2=%.'/%#\$'(\$1(,34022=%/O'+6%3"(%"(*'+6%3.A*/+/*+=.3"('%
#+/#)#/O*2%.'3.%A#3+(\$(\$8%*/)#\$.'\$8%.'/(, #\$.+TM*O('\$<%

; < _"#2(%*+*/)#\$.'M*=*%>(/*+*%33.'.+(=8+.%/O3=%'.4^(*2.O\$%*/)., *,=%\$".02/>(##+4('(/%.'%
(+4.'.(/%A#3"#+3"#%4.'OM<%

d< !"(%*/)#\$.'M*=*%+.3%=(228%\$, '(M8%>*/6('8%.'1"=\$#, *22=%I12(*+##+BB3.%*+##+/#)#/O*2B\$
1('\$+.+%2%1\$*, (<5/)#\$.'\$M*=*%+.3%*11'.*, "%*+*=.+(%A#3".03%.>3*##+6%1('M#\$\$.+4'.M
3"(>.*'/%, "%*#<%

e< !"(%*/)#\$.'M*=*%+.3%O\$(\$1'.4*+3#=%.'M*O(%#'')(2(*)+3%+\$*(-#/. -%*33*, O\$%01.+*+*
#+/#)#/O*2%.'A#3+(\$<h0(\$3#.+M%*(M(*+3%3.%>(%#+3(''.6*3#)(%\$3*3(M(+3%O\$(/%3.%3(\$3%
O+.A2(/6(%.'O+/'(\$3*+/*%4*, 3Y%3"(%=M*=*%+.3%#+, 20/(%*, ,O\$*3#.+A#3"#+3"(%3(U3%.4%3"(%
NO(\$3#.+<%

K< !"(%*/)#\$.'M*=*%+.3%*O%'(1(3#3#)(%NO(\$3#.+<#!"#%#+, 20/(\$NO(\$3#.+3%3"*3%")(%*2'(*/= %
>((+*%\$O(/%>=%3"(/(/, #\$.+M*O('%.'3"(%1*'3=%.'%*/)#\$.'%#+/#'(/, 3%3(\$3#M.+< _"(+3%")
(, #\$.+M*O('%/(3('M#+(\$%NO(\$3#.+*"\$%>((+f*\$O(/%*/+/*%+\$A('(/[%.'%\$%.3"('A#\$(#+.3%
'(2(*)+38%3"(%*/)#\$.'MOS3%M.)(%'+<%

I< C+).2)(/##+/#)#/O*2\$%*/+/*%)#\$.'\$M*=*%3*O(%+.%, 3#.+*%3%3"(%"(*'+6%3"*3%*"(*\$.+*%>2(%
1('\$+.+%#+%3"(\$%\$.(\$%.4%3"(%*44(,3(/%1('\$+.A.O2/\$((\$%*#+3(+/(/%3.%#+3#M#/*3(3"*3%1('\$+.+%
#+3.%+.3%1*'3#, #1*3#+6%#+%3"(%1'. , (\$\$. 'M(*#++64022=M.#/4=#+6%3"('#1*'3#, #1*3#.+#+%3"(%
1'. , (\$\$<%

&

; <5, =, >k<, /&8+0)?<2k45):+--&

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!"(%(/, #\$.+M*O('%\$"*22%")(%\$.2(/%#\$, '(3#.+3.%/(3('M#+(%4%3"(%G02(\$\$.4%](,.'OM%")(%>((+<#
)#'.2*3(/<!"(/(/, #\$.+M*O('%A#22+.3#4=%3"(%'.44(+/#+6%1('\$+.4%*+=%)#'.2*3#.+%.4%3"(%G02(\$<#

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Z1 . + % \$ (, . + / % . ' % 4 0 ' 3 " (' %) # . 2 * 3 # . + % . 4 % 3 " (% G O 2 (\$ 8 % 3 " (% / (, # \$ # . + % M * O (' % \$ " * 2 2 " *) (% / # \$, ' (3 # . + % 3 . % ' (M .) (% 3 " (% . 4 4 (+ / # + 6 % 1 (' \$. + % . ' % * 2 2 . A % 3 " (M % 3 . % , . + 3 # + 0 (% 1 * ' 3 # , # 1 * 3 # + 6 % # + % 3 " (% " (* ' # + 6 % . ' % . 3 " (' % 1 * ' 3 % . 4 % 3 " (% 1 ' . , (\$ \$ < %

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! " (% / (, # \$ # . + % M * O (' % \$ " * 2 2 % / . , O M (+ 3 % * + = % / (, # \$ # . + % 3 . % ' (M .) (% * + % * /) # \$. ' % # + % 3 " (% A ' # 3 3 (+ % / (3 (' M # + * 3 # . + % ' (6 * ' / # + 6 % ' (\$ 1 . + \$ # > # 2 # 3 = < %

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F . ' % 4 2 * 6 ' * + 3 8 % M O 2 3 # 1 2 (8 % . ' % , . + 3 # + 0 * 2 %) # . 2 * 3 # . + \$. 4 % 3 " (\$ (% G O 2 (\$ 8 % # + % . + (% . ' % M . ' (% 1 ' . , ((/ # + 6 \$ 8 % * /) # \$. ' \$ % M * = % > (% 1 ' . " # > # 3 (/ % 4 ' . M % 1 * ' 3 # , # 1 * 3 # + 6 % # + % 4 0 3 0 ' (% 1 ' . , ((/ # + 6 % \$ * 3 % 3 " (% # + \$ 3 # 3 0 3 # . + % # + % 3 " (% * /) # \$. ' % ' . 2 (% . + % * % 3 (M 1 . ' * ' = % . ' % 1 (' M * + (+ 3 % > * \$ % \$ < % \) # / (+ , (% . 4 %) # . 2 * 3 # . + H \$ L % . 4 % 3 " (\$ (% G O 2 (\$ % A # 2 2 % > (% 6 * 3 " (' (/ % > = % 3 " (% ! # 3 2 (% C D % P . . ' / # + * 3 . ' 8 %] # ' (, 3 . ' % . 4 % E 3 0 / (+ 3 % P . + / O , 3 8 % . ' % * % / (\$ % 6 + ((% . 4 % (# 3 " (' % * + / % 1 ' (\$ (+ 3 (/ % 3 . % 3 " (% c # , (% - ' (\$ # / (+ 3 % 4 . ' % E 3 0 / (+ 3 % 5 4 4 * # ' \$ % 4 . ' % , * \$ (\$ % # +) . 2) # + 6 % \$ 3 0 / (+ 3 % \$. ' % 3 " (% c # , (% - ' (\$ # / (+ 3 % . 4 % W O M * + % G (\$. O ' , (\$ % 4 . ' % , * \$ (\$ % # +) . 2) # + 6 % (M 1 2 . = ((\$ < % ! " (% 5 /) # \$. ' % * , , O \$ (/ % M * = % 1 ' .) # / (% * + % (U 1 2 * + * 3 # . + % . ' % * 2 3 (' + * 3 #) (%) # / (+ , (% # + % A ' # 3 # + 6 % 4 . ' % , . + \$ # / (' * 3 # . + % > = % 3 " (% c # , (% - ' (\$ # / (+ 3 % 4 . ' % E 3 0 / (+ 3 % E (') # , (\$ % 4 . ' % , * \$ (\$ % # +) . 2) # + 6 % \$ 3 0 / (+ 3 % R c # , (% - ' (\$ # / (+ 3 % . 4 % W O M * + % G (\$. O ' , (\$ % 4 . ' % , * \$ (\$ % # +) . 2) # + 6 % (M 1 2 . = ((\$ < % E O , " %) # / (+ , (% . ' % (U 1 2 * + * 3 # . + % # \$ % / O (% A # 3 " # + % 4 # 4 3 ((+ % H 7 d L % , * 2 (+ / * % / * = \$. 4 % ' (, (# 1 3 % . 4 % * % + . 3 # , (% . 4 % * % , " * ' 6 (% . 4 % ' (

#'(2()*+3%>=3"(%/(,\$\$.+T

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(U3(+3%*11'.1'#*3(8%.3"('%\$30/(+3\$#/(+3#4#(/>=&! .M10#+\$P.'32*+/%P.MMO+#3=P.22(6(3. %>(%U1('#(+,#+6%3"(%(44(,3\$%.4%E(UTV*\$(/W*'\$M(+38%#43"('(%\$%*4#/#+6%3"*3E(UTV*\$(/W*'\$M(+3%.,,0'(/Y%*+/%
!.M10#+\$P.'32*+/%P.MMO+#3=P.22(6(B\$1'. ,(/O'(\$4.'%P.M12*#+*+3%*+/%G(\$1. +/(+3%3. %
*11(*2<%)

H# - .3#/.%(F%<.0. '- #/+0#(/%E. =+'\$#/=E. ,&(/,#G#3#0D%

%

C4%3"('(%*'(%+.%(U3(+0*3#+6%,#',OM\$3*+,(\$8%3"(/(3('M#+*3#.+'(6*'/#+6%'(\$1.+#\$>#2#3=A#22%>(%
#\$\$0(/%>=&! .M10#+\$P.'32*+/%P.MMO+#3=P.22(6(A#3"#+#d\$, ". .2R,*2(+/*R>O\$#+((\$%/*=\$%.4%3"(%
,.M12(3#.+.4%3"(%('*'+6<%

%

<.0. '- #/+0#(/%(F%<#,#&3#/+ 'D%6+/?0#(/,%8F0. '%+O#/\$#/= (F%E. ,&(/,#G#3#0D%

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-('%S(A#a.'O#\$3*3(%2*A#1*\$3%4#/#+6\$%.4%/M(\$3%,)#.2(+,(8%/*3#+6%)#.2(+,(8%\$3*20#+68%. '%(UO*2%
\$\$023M*=>(%*/M#\$\$>2(%#+%3"(%/#\$,#12#+*='=\$3*6(%3"*3%/(3('M#+(\$%\$*+,3#. +<W.A)('8%#3#\$%+.3%
*/M#\$\$>2(%1'#.%3. / (3('M#+*3#. +.4% '\$1. +#\$>#2#3=<%

C+%/ /#3#. +8%3"(%P.M12*#+*+3%A#22%")(%*+.11.'30+#3=3.%M*O(%*+%M1*,3%\$3*3(M(+3%/O'#+6%3"(%
1.#+3%.4%3"(%1'. ,((/#+6%A"('(%3"(/, #,\$#. +TM*O('M#\$/ (2#>('*3#+6%. +*%11'.1'#*3(%\$*+,3#. +\$<%

O#/+3#0D%(F%<.0. '- #/+0#(/%

%

!"(/(3('M#+*3#.+'(6*'/#+6%'(\$1.+#\$>#2#3=>(.M(\$4#+*2%#3"('%+.+%3"(/%*3(%3"*3%! .M10#+\$P.
P.'32*+/%P.MMO+#3=P.22(6(%1'.)#/(%\$3"(%- '*3#(\$A#3"*3"(%A'#33(+/(3('M#+*3#. +.4%3"(%('\$023%.4%
*+=%*11(*28%. '8%#4#+. - '*3=%*11(*2\$8%3"(/%*3(%+.A"#, "%*+%*11(*2%A.02/%+. %2. +6('>(%., +\$#/(('/
3#M(2=<%

%

<#,#3(, "'',%(FW"0?(-.%GD%0*.%K+'0#.,%

%

!"(%P.22(6(%\$%,.MM#33(/%3.%1'.3(,3#+6%3"(%1'#)*,=%*+/%.,+4#/(+3#*2#3=.4%*22%1*'3#(\$#+).2) (/#++
3"(!#32(%CD%6'(#)*+, (%1'. ,(\$\$<%522%1*'3#(\$8#+,20/#+6%,.M12*#+*+3\$8% '\$1. +/(+3\$8%A#3+(\$(\$8%*+/%
/)#\$. '\$%'(%1'. "#>#3(/%4'.M#/#\$,2. \$#+6%*+=%#4.'M*3#. +*+/(%)#/(+, (%.>3*#+/(%\$.2(2=3"''.06"%3"(%
6'(#)*+, (%1'. ,(/O'(\$8#+,20/#+6%.03,.M(\$8%(U,(13%*\$1('M#33(/%>=3"#%1.2#, =<%%] #\$,2.\$0'(\$%.4%
#+4.'M*3#. +*+/(%)#/(+, (%.>3*#+/(%3"''.06"%3"(%6'(#)*+, (%1'. ,(/O'(\$%*('03".'#^(/%4.'%3"(%
10'1. \$(%\$.4%*/M#+#\$3'*3#) (%1'. ,((/#+6%A#3"*3"(%P.22(6(8%4.'%10'1. \$(%\$.4%2#3#6*3#. +%(2*3(/%3.%3"(%
,.M12*#+3%.4%\$(U#/#\$, '#M#+*3#. +8%*+/%A" (+' (NO#'(/%>=2%A'. '%.,.0'3.'. /(<%%!"(%P.22(6(A#22%3*O(
'(\$\$. +*+>2(%\$3(1\$3.%1') (+3%*+/%*// '\$\$0+*03".'#^(/%/#\$,2.\$0'(\$%.4%#+4.'M*3#. +*+/(%)#/(+, (8%
#+,20/#+6%#+4.'M#+6%*22%1*'3#(\$%*+/%1*'3#, #1*+3\$8#+%3"(%6'(#)*+, (%1'. ,(\$\$%.4%3"(%'#., +4#/(+3#*2#3=
>2#6*3#. +\$8% (NO#'#+6%1*'3#(\$3.%\$6+%, .+4#/(+3#*2#3=6'((M(+3\$8%*+/%#M12(M(+3#+6%*11'.1'#*3(
3(,"#+,2%*+/%*/M#+#\$3'*3#) (M(\$0'(\$3.%\$(,O'(%#+4.'M*3#. +*+/(%)#/(+, (<Z+*03".'#^(/%
/#\$,2.\$0'(\$%.4%#+4.'M*3#. +*+/(%)#/(+, (%.>3*#+/(%3"''.06"%3"(%6'(#)*+, (%1'. ,(/O'(\$M*=) (\$023%#+
/#\$, #12#+*='*,3#. +*6%*+3%3"(% '\$1. +#\$>2(%1*'3=8%01%3.%*+/%#+,20/#+6%\$0\$1(+\$. +8%(U102\$#. +%. '%
3('M#+*3#. +.4%(M12.=M(+3<%5+=%, .+, ('+\$%. '#+,#/(+3\$%.4%0+*03".'#^(/%/#\$,2.\$0'(\$%\$.02/%>(%

"

'(1.'3(/%#MM(/#*3(2=%3.%3"(!#32(%CD#P..'/#+*3.'<%"(%..22(6(%A#22%#+)(\$3#6*3(%\$0,"'(1.'3\$%*+/%3*O(%*11'.1'#*3(%*,3#.+%3.%*/'(\$%*+=%)#2*3#.+\$.4%3"#S1.2#.=<

F> I ; ; (*<6\$

*, "% - *'3=%M*=%11(*2%*%/(3('M#+*3#.+%(6*'/#+6'(\$1.+#\$>#2#3=<!.%*11(*28%*%-'3=%MOS3\$O>M#3%3"('#%A'#33(+%*11(*2%A#3"#+%d%\$, ".2R,*2(+/'R>O\$#+(\$\$/*=\$.4%>(#+6%+.3#4#(/%.4%3"(%/(, #\$.+8%#+/#,*3#+6%3"(%6'.0+/\$%4.'%*11(*2<

F.'%*11(*2\$'(\$O23#+6%4'.M/#M#\$%*2%.4%*,.M12*#+38%12(*\$(\$((%3"(%\$(,3#.+%.+<#,-#,+,+3%(F/N(-&3+#/0,1%

C'('/\$,%F('%8&&.+3%

!"(%2#M#3(/%6'.0+/\$%4.'%*11(*2%*)*#2*>2(%*')(%*\$%4.22.A\$X%

-'. , (/O'*2%#''(602*'#3=%3"*3%A.02/%, "%+6(%3"(%03,.M(Y%

S(A%()/+, (%3"*3%A.02/%, "%+6(%3"(%03,.M(%*+/%3"*3%A*\$%+.3%'(*\$.+*>2=%*)*#2*>2(

A"(%+3"(%/(3('M#+*3#.+%A"('E(UTV*\$(/W*'\$M(+3%.,0'(/%.'/#M#\$%*2A*\$M*/(Y*+/%

!"(%!#32(%CD#P..'/#+*3.'8%#+)(\$3#6*3.'8%.'/(, #\$.+TM*O('"/%*, .+42#,3%.4%#+3('(\$3%.'>#*\$%

4.'%.'%*6*#+\$3#P.M12*#+*+3\$%. 'G(\$1.+/(+3\$%6(+('22=%.'%3"(%#+/#)#/O*2#P.M12*#+*+3%.'%

G(\$1.+/(+3%3"*3%A.02/%, "%+6(%3"(%03,.M(<

C+*11'.1'#*3(\$%*,3#.+%"*)#+6%+.%'(2*3#.+%3.%3"(%,"*6(\$<

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8\$\$#0#(/+3%K'(?.\$''.,%F('%8&&.+3%K'(?.,,%

!.M10#+\$P.'32*+/%P.MMO+#3=%P.22(6(%A#22%+.3#4=%3"(%-'3#(\$%.4%*+=%*11(*28%1'.)#/(%3"(%-'3#(\$%*')(*\$.+*>2(%*+/(NO*2%.11.'30+#3=%3.%M*O(%*\$%3*(M(+3%#+%\$O11.'3%.48%.'%,"*22(+6#+6%8%3"(%03,.M(8%*+/%A#22%+.3#4=%3"(%-'3#(\$%.4%3"(%'(\$O23%.4%3"(%*11(*2%*+/%3"(%'3#.+*2(%4.'%3"(%'(\$O23<

!"(%\$O>M#\$%\$.+%.4%*+*11(*2%\$3*=\$H.'1*O\$(\$L%*+=\$%*,3#.+\$.4%.'%3"(%1('#./O'#+6%A"#,"%*+*%*11(*2%/(3('M#+*3#.+%#)\$>(#+6%*\$%(\$(/<E011.'3#)(M(*\$O'(\$%*+/'(M.3(2(*'+#+6%.11.'30+#3#(\$%'(M*#+%*)*#2*>2(A"#2(%*+*11(*2%#)\$>(#+6/(2#>('3(/%*+/%>(4.'(%*4#+*2/(, #\$.+%"*\$%>((+M*/(<

5 11(*2\$M*=%>(+%.2.+6('%3"*+%d%1*6(\$%H#+,20/#+6%*33*,"M(+3\$<%5 11(*2\$%\$.02/>(\$O>M#33(/%#+%2(,3'.+#,4.'M#O\$#+6%5GC5 g%.%'!Cb \E%S _G' b 5 S8%79T1.#+3%4.+38%*+/%.0>2(T\$1*,(/<5 11(*2\$%\$.02/%O\$(%4%.3+.3(\$8%+.3%(+/+.3(\$<5 11(*2\$%3"*3%/ .#+.3%M((3%3"(\$(\$3%*+/'/\$M*=%>(<'(30'+(/%3.%3"(%-'3=%

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5 11(*2\$%A#22%>(%/(, #/(/%>=%

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!"*38%1'#.%3.%*6'((#6%3.%*%('\$.203#. +8%*+=% - *'3=%%*\$%3"(%'#6"3%3.%A#3"/'*A#4'.M#3"(%
*23('+*3#)('%('\$.203#. +1' . , (\$\$%*+/%3.%#+#3#*3(%.'%('\$OM(%!.M10#+\$P.'32*+/%P.MMO+#3=
P.22(6(BS%&'#()*)+, (%-' . , (/O'(\$Y%
!"*3%3"(%- *'3#(\$B%*6'((M(+3%3.%*%('\$.203#. +0*3%3"(% . , +, 20\$#. +. 4%3"(%*23('+*3#)('%('\$.203#. +
1' . , (\$\$A.02/%1' (, 20/(%3"(%- *'3#(\$%4'.M#+#3#*3#+6.%'('\$OM#+6!.M10#+\$P.'32*+/
P.MMO+#3=P.22(6(BS%&'#()*)+, (%-' . , (/O'(\$%*'##+6%4'.M#3"(\$*M(%*22(6*3#. +\$Y%
!"(%1.3(+3#*2%3('M\$%3"*3M*%=>('NO(\$3(/%.'% .44('(/%#+%*+%#+4.'M*2'('\$.203#. +*6'((M(+38%
#+, 20/#+6#+.3# , (%3"*3%*+%#+4.'M*2'('\$.203#. +*6'((M(+3#%\$>#+/#+6. +2% . +%3"(%- *'3#(\$Y%*+/
_ "*3##+4.'M*3#. +%!.M10#+\$P.'32*+/%P.MMO+#3=P.22(6(A#22M*#+3*#+%*+/%A"('3"(%*+/
".A#!.M10#+\$P.'32*+/%P.MMO+#3=P.22(6(% . , 02/%/#\$, 2.(\$%\$0, "%#+4.'M*3#. +44.'%O\$("%#+
#3\$%&'#()*)+, (%-' . , (/O'(\$%#4%3" (=)*'(%#+#3#*3(/%.'%('\$OM(/<

<.0.'- #/+0#(/%0%8&&'(5.%4/0'D%#/0%830.'/+0#5.%'. , (3'0#(/%&'(?., , %
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\)(+A"('3"(%- *'3#(\$%*6'((3.%\$0>M#3%*M*33(%3.%#+4.'M*2'('\$.203#. +8%*!#32(%CD#P..'/#+*3.'%
MO\$3%*11'.)(%3"(%/ (, #5#. +%3.%M.)(%3"(%M*33(%3.%3"(%*23('+*3#)('%('\$.203#. +1' . , (\$\$%*+/%M*%=
/(3('M#+(%3"*3##+4.'M*2'('\$.203#. +%\$%+.3%*11'.1'#*3(%0+/(%3"(% , #', OMS3*+, (\$%#
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F*,3.'\$%3"*3%3"(%!#32(%CD#P..'/#+*3.'%M*%A(#6"%#+%, .+\$#/('#+6%3"(%*11'.1'#*3(+(\$\$.4%3"(%
*23('+*3#)('%('\$.203#. +1' . , (\$\$%#+, 20/(8%>03%*(%+.3%2#M#3(/%3.8%3"(%6'*)#3=.%4%3"(%*22(6*3#. +\$8%
A"('3"(%3"('(%#%\$%+. +6.#+6%3"(%*3%.4%*"M.%'\$%4(3=3%3"(% , *M10\$8%A"('3"(%3"(%G(\$1. +/(+3%#\$%*%
'(1(*3%.44(+/'8%A"('3"(%3"(%*22(6(/% . , +/0, 3%A.02/%1'(\$(+3%*%4030'(%#\$0%.4%*"M#3.%3"('\$8%*+/
A"('3"(%3"(%- *'3#(\$%*('1*3#, #1*3#+6%#+6. ./%4*3"<! "#%/(3('M#+*3#. +%\$%+.3%\$0>Q(, 3%3.%*11(*2%#
%

830.'/+0#5.%'. , (3'0#(/%&'(?., , , % - +D/.5.%G.%+&&3#.\$%Q*. '%0*.%+33. =+0#(/, %#/?'\$.%6.7"+3%
8, , +300%K./0'+0#(/%('%0*.%.)"#5+3./01%
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53%*+=3#M(%*43('3"(% . MM(+, (M(+3%.4%3"(%*23('+*3#)('%('\$.203#. +1' . , (\$\$8%*!#32(%CD#P..'/#+*3.'%
M*%/(3('M#+(%3"*3%3"(%*23('+*3#)('%('\$.203#. +1' . , (\$\$%\$%+.3%*+%*11'.1'#*3(%M('3"(%4.'%('\$.2)+6%
3"(%M*33('8%*+/%M*%=(NO#('3"*3%3"(%M*33('>('(\$.2) (/3"'.06"%3"(%&'#()*)+, (%-' . , (/O'(\$%#!"#%\$
/(3('M#+*3#. +%\$%+.3%\$0>Q(, 3%3.%*11(*2%#
%

C4%#+4.'M*2'('\$.203#. +%\$%*11'.)(/%.'%/(+#(/8!.M10#+\$P.'32*+/%P.MMO+#3=P.22(6(A#22%
1'.)#/(%3"(% .03. .M(%#+A'#3#+6%\$M023*+ (.O\$2=3.%3"(%- *'3#(\$<C4%#+4.'M*2'('\$.203#. +%\$%*11'.)(/8%
3"(%!#32(%CD#P..'/#+*3.'%\$"*22%2\$.%1'.)#/(%3"(%#+4.'M*3#. +. 4%3"(%4*, #2#3*3.%#+A'#3#+6%3.%3"(%
- *'3#(\$%*+%*%('\$. +*>2(%3#M(4'*M(% . +, (%3"(%4*, #2#3*3.%#\$%*\$%\$6+(/<
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E(3.%(F%0*.%O+?#3#0+0('%
%

523('+*3#)('%('\$.203#. +1' . , (\$\$(\$%*'(M*+*6(/%>=#3*#+(/%4*, #2#3*3.'\$<522%4*, #2#3*3.'\$%MO\$3%+.3%>(%
3"(%\$*M(%1('\$. +0*\$%3"(%#+)(\$3#6*3.%.'%3"(%R*%/(, #5#. +TM*O('H\$L%#+%!.M10#+\$P.'32*+/%P.MMO+#3=
P.22(6(BS%&'#()*)+, (%-' . , (/O'(\$%5+=%1('\$. +/((\$6+*3(/%3.4%*, #2#3*3(%#+4.'M*2'('\$.203#. +%MO\$3%+.3%
"*)(%*, . +42#, 3%.4%#+3'(\$3.%>#*\$%4.%.'%*6*#+\$3P.M12*#++3\$%.'%G(\$1. +/(+3%\$6(+(*22=%.'%*+%

#+/#)#/0*2%P.M12*#+*+3%. 'G(\$1. +/(+3<%!"(% !#32(%CD%P.. '/#+*3. '%M*=%+() ('%\$(')(%*\$%3"(%
4*,#2#3*3. '8%\$O>Q(,3%3.%3"(\$(%'(\$3'#,3#. +\$<%
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5 22%4*,#2#3*3. '\$%MOS3%"*)(\$1(, #*2#^(/%3'*##+68%(NO#'(/%>=2*A%*+/%'(602*3#. +<%EO, "%3'*##+6%
#+,20/(\$X%

!.M10#+\$%P. '32*+/%P.MMO+#3=%P.22(6(B\$%.>2#6*3#. +%3.%*//'(\$%\$(U%/#\$, '#M#+*3#. +8%
#+,20/#+6%E(UT

*22(6*3#. +\$% .>3*#+(/%A#3"#+%"3"(%*23('+'*3#)(%'(\$.203#. +%1' . , (\$\$M*=%>(%/#\$\$M#+*3(/%3. %*+=%1('\$. +8%
1' .)#/(/%3"*3%*+=%-'3=%3. %3"(%*23('+'*3#)(%'(\$.203#. +%1' . , (\$\$M*=%6(+('*22=%/#\$, O\$\$%3"(%*22(6*3#. +\$%
0+/(('%#+)(\$3#6*3#. +%A#3"%*%1*' (+38%4'#(+/%8%*/)#\$. '8%. '%.3"('%.0' , (%.4%(M.3#. +*2%\$O11. '38%. '%A#3"%
+%/). . , * , =% . '6*+#+^*3#. +<%5\$%*% , . +/#3#. +%.4%(+'#+6%3"(%*23('+'*3#)(%'(\$.203#. +%1' . , (\$\$8%*+=%
()#/(+ , (%\$"*'(/%. '%' , (#)(/%/O'#+6%3"(%*23('+'*3#)(%'(\$.203#. +%1' . , (\$\$M*=%+ .3%>(%O\$(/%#+%*+=%
\$O>\$ (NO(+3%&'#()*+ , (%-' . , (/O'(% . '%#+\$3#303#. +*2%*11(*2<%

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830. '/+0#5. %E. , (3''0#(/%W&0#(/ , %

%
! .M10#+\$P. '32*+/%P. MMO+#3=%P. 22(6(% .44('\$%3" (%4. 22. A#+6%*23('+'*3#)(%'(\$.203#. +%1' . , (/O'(\$%
4. '%*//'(\$\$#+6% , .M12*#+3\$%.4%E(UTV*\$(/%W*'%\$\$M(+3%/(\$, '#>(/%O+/('%3"#S%&'#()*+ , (%-' . , (/O'(\$D%
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b (/ #*3#. +%
!"(%10'1. \$(% .4%M(/#*3#. +%#S\$4. '3"(%-'3#(\$A" . %*'(%#+% . . +42# , 3%3. %#/(+3#4=%3"(%#M12# , *3#. +\$%.4%*%
\$30/(+3B\$%* , 3#. +\$%*+/%8%A#3"%3"(%*\$S\$3*+ , (%.4%*%3'*#+(/%4* , #2#3*3. '8%#/(+3#4=%1. #+3\$%.4%*6'(M(+3%*+/%
*11'. 1'#*3(%G(M(/#(\$%3. %*//'(\$\$%3"(M<%\#3"('-%-'3=

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O==> S&*+6,&' ;9\$H.9*9' .+6\$

F. '%, '#M(\$%.4%)#.2(+, (8%#+, 20/#+68%A#3".03%2#M#3*3#. +8%(U0*2%)#.2(+, (8%/(4#+(/%*\$%, '#M(\$%3"*3%
M((3%3"('%(1.'3#+6%(NO#'(M(+3\$%10'\$O*+3%3.%3"(%P2('=%5, 3%H9:%Z<E<P<%7: J9H4LH7LHFLH#LHCLTH c CCCLL8%
!.M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%#\$%'(NO#'(/%3.%M*O(%*%+.3*3#. +%. +%3"(%3'*+\$, '#13%.4%*%
\$30/(+3%4.0+/%'(\$1.+\$#>2(%4.'%\$O\$1(+\$. +%. '%(U102\$#. +8%1('%!.M10#+\$%P.'32*+/%P.MMO+#3=%
P.22(6(B\$%!'*+\$, '#13%S.3*3#. +%- .2#, =%HgCSm#3.% , -. /O1234561"7-34"-8"7-. 391:.; 6-<2=-. ">42?6.@"
[A?-14BB"C"D-5EF6. B"7-?:<2. 3"7-559. 6:G"7-<<4@4L<](#)

O=G> C(9*<'*9' .+\$

_ "(+%!.M10#+\$%P.'32*+/%P.MMO+#3=%P.22(6(%"*\$%#+4.'M*3#. +%*>.03%, . +/0, 3%3"*3%'(*\$. +*>2=%
M*=%, .+\$3#303(%G(3*2#*3#. +%O+/('%!#32(%CD%. '%#3\$%&'#() *+, (%

\$("

I/(%.: *''%18/)''%&#/%10A./9%\$D1

l

7%<=+. \$%&1> ./.\$\$ ' %*-X%\$(UO*2%''*'\$SM(+3%*+/.3" ('%''*'\$SM(+3% . +%3" (%>*\$#\$.4%\$(U8%#+,20/#+6%
''*'\$SM(+3%> , *O\$(% .4%6(+/('%#/(+3#3=8%\$(UO*2% . '#(+3*3# . +8%\$(U, ''*'' ,3('#\$3# ,8%\$(U%3(' (.3=1(\$8%
+ /R. '%1' (6++ , =%*+ /% .3" ('% , . + /#3# . +\$8%3''*3%\$X%

8l ! "#\$%&'(')''(%*+ '+, , - . /0%5%\$30/(+38%(M12. =((8%*6(+3% . '%.3" ('%1('\$. +%*O3" . '#^(/%>=%
! .M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(%3 .%1' .)#/(%*+%*#/8%>(+4#38% . '%\$(')# , (%O+/('%3" (%
P .22(6(B\$%/O , *3# . +%1' .6'*M% . '%* ,3#)#3=%(U12# ,#32=% . '%#M12#(/2= , . + /#3# . +#+6#3" (%1' .)#\$. +%
.4%\$O , ''*+%*#/8%>(+4#3% . '%\$(')# , (% . +%*%1('\$. +B\$1*3# ,#1*3# . +%#+%O+A(2 , .M(%\$(UO*2%
 , . + /O ,3Y%

Vl 2 (,0#3% . /5#'(/ - . /0%*+ '+, , - . /0%Z+A(2 , .M(%\$(UT>*\$(/% , . + /O ,3%3''*38%>*\$(/% . +%3" (%
3 .3*2#3=% .4#3" (% , '# , OMS3*+ , (\$8%\$%\$O>Q(,3#) (2=%*+ /% .>Q(,3#) (2=% .44(+)\$) (%*+ /%#%\$% . %\$(') (' (% . '%
1(')*\$#) (%3''*3#3#2#M#3\$% . '% / (+(\$%*%1('\$. +B\$%*>#2#3=%3 . %1*3# ,#1*3(##+ . '%>(+4#3#4' . M%
! .M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(B\$% \ /O , *3# . +%- ' .6'*M% . '%5 ,3#)#3=%H#<(<8% , '(*3(\$%*%
" . \$3#2(%(+)' . +M(+3L< _ " (3" ('%*% " . \$3#2(%(+)' . +M(+3''*\$>((+ , '(*3(/%#%*%4* ,3T\$1(, #4# , %
#+NO#'=3''*3#+,20/(\$% , . +\$#/('*3# . +% .4#3" (%4 .22 .A#+6X%

%

H#L 3"(%/(6'((%3%A"# , "%3"(% , . + /O ,3%44(,3(/%3" (%P .M12*#++3B\$%*>#2#3=%3 . %* , , (\$%\$
! .M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(B\$% \ /O , *3# . +%- ' .6'*M% . '%5 ,3#)#3=V%

%

H##L 3"(%3=1(8%4'(NO(+ , =8%*+ /% /O '*3# . +% .4#3" (% , . + /O ,3Y%

%

H###L 3"(%- '*3#(\$B%*6(\$8% . 2(\$A#3"#+! .M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(B\$%
\ /O , *3# . +%- ' .6'*M% . '%5 ,3#)#3=8%1')# . O\$%#+3(' * ,3# . +\$%*+ /% .3" ('%4* ,3 . '\$%*> .03%
(* , ''% - '*3=%3''*3#M*=%>(%G(2() *+3#3 . % () *20*3#+6#3" (%(44(,3\$% .4#3" (% , . + /O ,3Y%

%

H#)L 3"(%2 . , *3# . +% .4#3" (% , . + /O ,3%*+ /%3" (% , . +3(U3%#+A"# , "%3" (% , . + /O ,3% . , , O'(/Y%
*+ /% %

%

H)L 3"('E(UTV*\$(/%W*'\$SM(+3%#+! .M10#+\$%P . '32*+/%P .MMO+#3=%P .22(6(B\$%
\ /O , *3# . +%- ' .6'*M% . '%5 ,3#)#3=V%

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D< , :*=) , -k6)5kD+EFG<-+ /&H<5<-- 0 + , *% , .02/%#+,20/(%P . + /O ,3% - ' .>*3# . +8%G(M .) *2%4' . M%
W .O\$#+68%] (4('(/%EO\$1(+\$. +8%EO\$1(+\$. +8% . '% \ U102\$# . +%*+ /%* /#3# . +*2%(/O , *3# . +%\$*+ ,3# . +\$<&

l

7%<# . 4l! \$\$. #4-D%*\$% / (4#+(/%#+%3" (%P2('=%5 ,38%M(*#++6%*+=%\$(UO*2%* ,3%/#' (,3(/%*6*#+\$3%*+ .3" ('%
1('\$. +8%A#3" . O3%3" (% , . +\$(+3% .4#3" (%)# ,3#M8%#+,20/#+6%#+\$3*+ , (\$A" ('(3" (%)# ,3#M%#%#+ , *1*>2(% .4%
6#)#+6% , . +\$(+3Y%

D< , :*=) , -k6)5kD+E . <2kA--<.2*% , .02/%#+,20/(%G(M .) *2%4' . M%W .O\$#+68%] (4('(/%EO\$1(+\$. +8%
EO\$1(+\$. +8% . '% \ U102\$# . +%*+ /%* /#3# . +*2%(/O , *3# . +%\$*+ ,3# . +\$<&

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6.-(*9I J)4%*''%D%*\$%/(4#+(/%#+%3"(%c#.2(+,(%56*#+\$3%_ .M(+%5,3%hc5_5L%G(*03".'#^*3#.+.4%
9:99%*+/%3"(%c5_55M(+/M(+3\$3.3"(%P2(='5,38%#\$%*+=%)#.2(+,(.MM#33(/%>=%*%1('\$.+X%H5L%
A" .%#\$%.'%''*\$%>((+#+%*%\$. ,#*2%(2*3#.+\$"#1.4%*' .M*+3#,.%'+3#M*3(%+*30'(%A#3"3"(%)#,3#MY%*+/%
HVL%_ "(('3"(%(U#3(+,(.4%\$0, "%*' (2*3#.+\$"#1\$"*22%>(/3('M#+(/%>*\$(/% .+%*% , .+\$#/('*3#.+.4%
3"(%4.22.A#+6%4*,3.'\$X%HL%!"(%2(+63"% .4%3"(%'(2*3#.+\$"#1Y%HL%3"(%3=1(% .4%'(2*3#.+\$"#1Y%*+/%H##L%!"(%
4'(NO(+,=% .4%#+3(*,3#.+%>(3A((+%3"(%1('\$.+)\$#+).2)(/%#+%3"(%'(2*3#.+\$"#1<%
D< , :*=) , -&6)5&9<*=-, >&C=)2+ , :+%, .02/%#+, 20/(%G(M.)*2%4'.M%W.0\$#+68%](4('(/%EO\$1(+)\$# .+8%
EO\$1(+)\$# .+8% .'% \ U102\$# .+%*+/%*//#3#. +*2(/O, *3#. +%*\$+, 3#. +\$<

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6)' %\$-(I J)4%*''%*%*+=%4(2.+=% .'%M#\$/ (M(*+. '%, '#M(\$, .MM#33(/%>=%*%1('\$.+A" .X%H5L%#\$%*
,0''(+3%. %4. 'M('1*'+(+ '%.4%3"(%)#,3#M%0+/('3"(%4*M#2=%.'%/ .M(\$3#,%)#.2(+,(%2*AS%.4%S(A%a.'O8%
'%*%1('\$.+)\$M#2*'2=\$#30*3(/%3.%*\$1.0\$(%.4%3"(%)#,3#MY%HL%#\$%, .''>#3*3#+68%.'%''*\$% , .''>#3*3(/%
A#3"3"(%)#,3#M%*\$%\$1.0\$(%. '%#+3#M*3(%1*'3+('Y%HPL%\$"'(/%*% , "#2/%#+, .MM. +A#3"3"(%)#,3#MY. '%
H]L%, .MM#3\$%*, 3\$%*6*#+\$3%*%=.03"%. '%*/023%# ,3#M%A" .%#\$%1'.3(,3(/%4'.M%3" .\$(%*,3\$O+/('3"(%
4*M#2=%.'%/ .M(\$3#,%)#.2(+,(%2*AS%.4%S(A%a.'O<%
D< , :*=) , -&6)5&9) 0+ -*=:&C=)2+ , :+%, .02/%#+, 20/(%G(M.)*2%4'.M%W.0\$#+68%](4('(/%
EO\$1(+)\$# .+8%EO\$1(+)\$# .+8% .'% \ U102\$# .+%*+/%*//#3#. +*2(/O, *3#. +%*\$+, 3#. +\$<

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'(*\$.+*%>2(1('\$.+%3.X%H5L%4(*'%4.'%3"(%1('\$.+B\$*\$4(3=%.'%3"(%\$*4(3=% .4%.3"('\$Y%.'%HVL%\$044('%
\$O>\$3*+3#*2%(M.3#. +*2/%#3'(\$\$<%
D< , :*=) , -&6)5&D* <2B=, >%, .02/%#+, 20/(%G(M.)*2%4'.M%W.0\$#+68%](4('(/%EO\$1(+)\$# .+8%
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