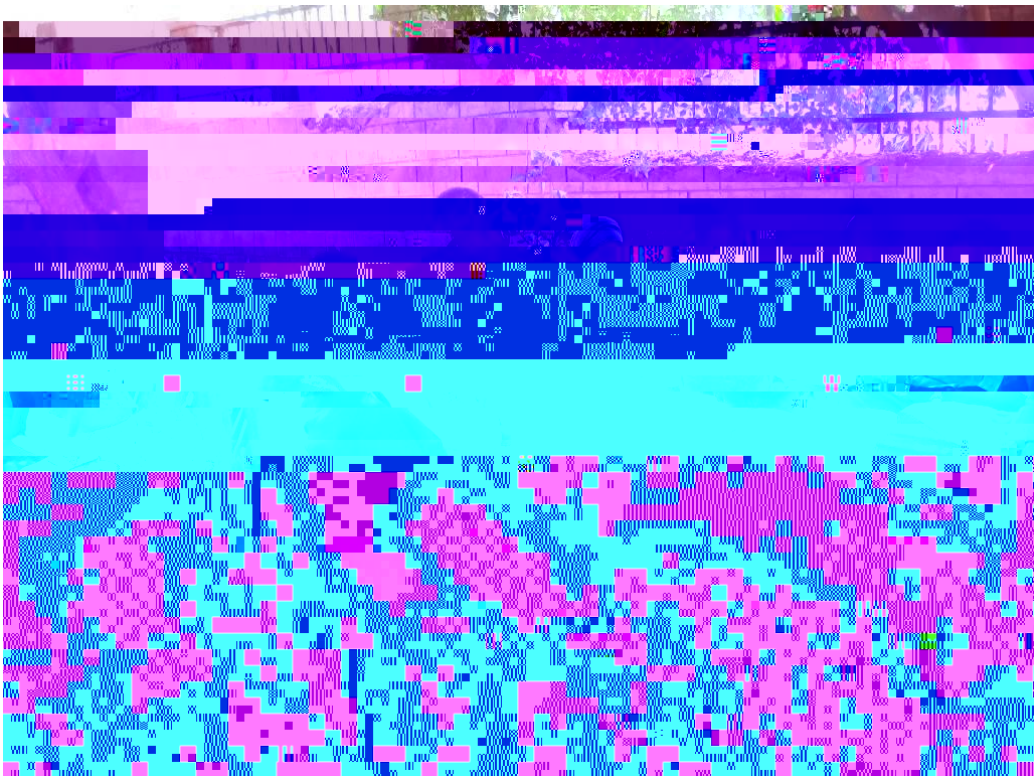




! ! ! !

"!

#\$%&' '% (!" &) ' \$ %!



*+, -+!. /O!\$ 1234/+!546!%&77!*8 19- 8 - /2. 234/!3/!; . /O. !

\$<24=-6!>?@>!

A) %\$B(C"!

!

" # \$! " % & & ' () * + , - . / 0 1 ! % 2 3 . () / . *) % (/ !

" 4 5! " % & . - % 2 . *) 7 0 ! 8 % 2 0 / * ! & . (. 3 0 & 0 (* !

" 4 9! " 0 (* 2 . 6 ! 4 % 2 0 /

'ADE&!\$#!) \$B' &B' ''!
!
!
A) %\$B(C"#####)
&F&) : '*G&!": CCA%(#####7
@H *B' %\$7:) '*\$B#####Q
@H@H D. <1 ; 64, /O#####Q
@H>H \$=J- <23K- +!45!2L- !+2, OM#####Q
@HNH C-2L4O+#####R
>H 'O&!) \$B) &P' !AB7!P%A) '*) &! \$#!D&B&#*' !"OA%*BQ#####S
>H@H D- /- 532+#####S
>H>H *81462. /<- !45!"L. 63/; !%&77R!D- /- 532+#####T
>HNH D- /- 53<3. 63- +!. /OS46!A<246+!3/!%&77R!P64; 6. 88- +!#####U
>HTH D- /- 532!"L. 63/; !C- <L. /3+8+#####V
>HUH G- 623<. 9!. /O!O463V4/2. 9!"L. 63/; !45!%&77R!D- /- 532+#####QR
>HWH &X, 32M!3/!D- /- 532!"L. 63/; !3/!2L- !B. 2, 6. 9!%- +4, 6<- +!" - <246!#####QR
>HYH Q4K- 6/. /<- !3/!2L- !#46- +26M!" - <246!#####QW
>HZH E. /O!. /O!#46- +2!' - /, 6- #####QU
>H[H &\<9, +3K32M!. /O!) 4/O3234/. 932M!3/!D- /- 532!"L. 63/; !#####QX
NH \$P'*\$B"!# \$%!%&77R!D&B&#*' !"OA%*BQ!C&) OAB*"C"!*B!: QAB7A#####QY
NH@H], 63+O3<234/!D. +-O!D- /- 532!"L. 63/; !A66. /; - 8- /2+#####QY
NH>H P64J- <2!D. +-O!D- /- 532!"L. 63/; !A66. /; - 8- /2+#####RQ
TH E&"" \$B"!AB7!&FP&%&B) &"!#%\$C!'O&!) : %&B' !D&B&#*' !"OA%*BQ!A%%ABQ&C&B' ''!RR
TH@H "L. 63/; !45!C3/- 6. 9!%- K- /, - +!#####RR
TH>H "L. 63/; !45!P. 6! !%- K- /, - +#####RR
THNH %- K- /, -!"L. 63/; !D- 2^ - - /!73+263<2!. /O!E4 ^ - 6!E4<. 9!Q4K- 6/8- /2+#####RS
THTH D- /- 532!"L. 63/; !3/!2L- !) 499. =46. 2364. 87T#F4TJET&>2(!3/!) 9(2) . O1Tf. 25#O(2) -3(!.) -5(/) 13(O

UH>H D-/-532!"L. 63/; !C-<L. /3+8+#####!SW
UHNH &X, 32M!3/!=-/-532!+L. 63/; !. /O!1. 623<31. 234/#####!SU
UHTH E. /O!. /OS46!546-+2!' -/, 6-#####!SV
UHUH) 4/593<2!8. /. ; -8-/2#####!SX!
UHWH C4K3/; !AL-. O!

&F&) : '*G&!": CCA%(!

!

*/2640, <234/!

!

A<O!&.)(!)10. !-O<)(1!201' :)(3!O&)/^%(/!82%&!108%2O/*.*)%(!. (1!8%2O/*!1032. 1.*)%(!)/!
10706%L&O(*! . (1!)&L6O&O(*.*)%(! %8! . (!)(: O(*)70,-. /O1! /+/*O&! *<. *! &. MO!)*!
O: %(%&): . 6+! &%2O! . **2. : *)7O! *%!6O*! . !8%2O/*!/* . (1!*<. (!*%!: ' *!)*!1%O(H!@(!7)OO!%8!*<O!
' L: %&)(3!L2OL. 2.*)%(!%8!*<O!9F==N!; *2. *O3+!8%2!| 3. (1. !*<)/!/*' 1+!O. /!: . 22)O1!%' *!%!
. (. 6+/O!*<O!7. 2)%' /! -O(O8)!/<. 2)(3! &O: <. (/&/!)(!%21O2!*%!)1O(*)8+! -%**6O(O: M/! *<. *!
)(: 2O. /O!: %/*/!. (1!2)/M/!%8! (. ** 2. 6!2O/%' 2: O!/2O. : <)(3!*<O!2' 2. 6!L%2!/%!. /!*%!10706%L!
)((%7.*)7O! %LL%2*' (*)O/! 8%2! -O(O8)!/<. 2)(3!)(! 9F==N! &O: <. (/&/H! A%! . : <)O7O! *<)/!
%7O2. 6!3%. 6!*<O!/*' 1+!O*!%' *!%Z!

!

I (102/: %2O!

E-++4/+!. /O!-\1-63- /<-+!5648!2L-!-\3+23/; !=- /-532!+L. 63/; !8-<L. /3+8+!

!

@(!I 3. (1. K!/%&O!%8!*<O!&O: <. (/&/!8%2!/<. 2)(3!2070(' O!/!. 2O!/*)L' 6. *O1!)(!6. O/c!%*<O2!
<. 7O!-OO(!O6. -%2. *O1!. 1&)(/*2. *)7O6+!%(!*<O!-. /)/!%8!L%0): +!L2%7)/%(/K!. (1!%*<O2!/!. 2O!
%L02. *) (3!-' *!*<O+!. 2O!(%!8%2&. 6+!10/: 2)-O1!. (1!)/' O1H!F^ . &L6O!%8!J, 63+O3<234/!^30-!
8-<L. /3+8+! - . /O1! %(! 2070(' O\ -O(O8)*! /<. 2)(3! . 22. (3O&O(*! L20/: 2)-O1! -+! 6. O!
) (: 6' 10! /<. 2)(3! %8! &)(O2. 6! 2%+. 6*)O/K! /<. 2)(3! (. *)%(. 6! L. 2M! O(*2+! 8OO/K! . (1! 2070(' O!
/<. 2)(3! -O*OOO(!=)/2): *!. (1!6%OO2!E%: . 6!D%7O2(&O(*!ED/CH! ; %&O!%8!*<O!O^LO2)O(: O!
. //%:). *O1!O)*<!*<O/O!&O: <. (/&/!)(1): . *O!*<. *Z!

!

L. +&O(*!8%2!%*<O2! O: %/+*O&! /O27): O/H! P<O2O!*<O! 9F==N! L2%32. &&O!)! (. *)%(O)1OK!
-O(O8)!/<. 2)(3!&O: <. (/)&!/: . (!-O!>. *)%(. @L' *,#. /O1!B. : : %21)(3!*%!*<O!2O/%' 2: O!
L' *)!(!-+!*<O!-O(O8): . 2+CK!>. *)%(. @GO28%2&. (: O,#. /O1!B. : : %21)(3!*%!*O7O@%8!O&)/%(/!
2O1' : *)%(CK!; ' -, (. *)%(. @L' *,#. /O1K!. (1!; ' -, (. *)%(. @GO28%2&. (: O,#. /O1H!
!

P<O2O!_ 2)/1): *)%(!O)1O!&O: <. (/)&!/: 2O!(7%67O1K!1!)*2)- ' *)%(!%8!9F==N!-O(O8)!/*<2%' 3<!
(%2&. @ 3%7O2(&O(*!B: O(*2. @. (1\%2!@%: . @!- ' 13O*L2%: O//O!/: %' @1!-O!'/O1!-O: . ' /O!
<O!L%@)O/!. (1!L2%: O1' 2O/!. 2O!OO@O/ . -@/<O1H!I (8%2*' (. *O6+K!)&L@O&O(*. *)%(!%8!*<O!
L%@)O/!. (1!L2%: O1' 2O/!@O. 7O/! !@%!*%!*-O! 1O/2O1H! =OOL,2%*O1! : %22' L'*)%(K! @. : M! %8!
*2. (/L. 2O(: +K! . ! L2O1)@O: *)%(! %*! /*O. @ L' -@; ! 8' (1/K!)(<O2O(*! -' 2O. ' : 2. :)O/K! . (1!
)(@O^)-@O!/+*O&!%8!L2%: ' 2O&O(*. (1!@)(. (:). @!&. (3O&O(*!O<): <! 2O! : <. 2. : *O2)/*: !
%8! %*<O2O)/O! 3%*%1!)(*(*)%(O1!L2%32. &&O/K!O)@!)&L. : *(O3. *)7O6+!%(!9F==N!-O(O8)!
/<. 2)(3H!@!O)@!-O!. (!' L<)@!*. /M!*%!*1O/3(!9F==N!-O(O8)!/<. 2)(3! 22. (3O&O(*!/*<. *!O)@!
-O!@2O!@2%&!*<O/O!7): O/!@!*<O!. 22. (3O&O(*!/. 2O!- . /O1!%(!%2&. @!- ' 13O*L2%: O//O/H!
!

\$(*<O!%*<O2!<. (1!. !/* . ** %2+!(. *)%(. @!9F==N!)(/)**)%(!: %' @1!-O!'/O!*! L!-+!@. OHI A<)/!
: %' @1!-O!O)*<O2! -+! ! /OL. 2. *O! @. O! %2! *<O!)(/)**)%(!: %' @1!-O! L@. : O1K! . (1! : @O. 2@+!
1O@)(O. *O1!O)*<)(!*<O!A2OO!4' (1!O<): <!)/!. @O. 1+!L2%7)1O1!8%2!)(!*<O!>. *)%(. @!4%2O/*2+!
. (1!A2OO!G@. *) (3!?: *!BR` SCK! . (1!*<O! . : : %&L. (+)(3! 12. 8!*4%2O/*2+!9O3' 6. *)%(H! A<O!
/O&),. ' *%(%&%' /!)(/)**)%(!: %' @1!-O! 1O/3(O1!*%!*%7O2: %&O! &%/*!%8! *<O! 12. O- . : M/
*<. *! : <. 2. : *O2)/O!)&L@O&O(*. *)%(!%8!*<O!(%2&. @!3%7O2(&O(*!- ' 13O*/H!
!

#' *! . !_ 2)/1): *)%(!O)1O!&O: <. (/)&!O% ' @1!(%*!L2O: @' 1O!L2%O: *!- . /O1!&O: <. (/)&/H!@(!
8. : *K!)*!O%' @1!-O!(O: O//O/. 2+!*%!*%L@2. *O!*<2%' 3<!L2%O: *)%(!/%&O! : . /O!/%! . /!%!*2O. : <!
*<O!L%2!@%: . @!LO%L@O!. *!*<O!<%2])%(*. @!-O(O8)!1)/2)- ' *)%(!@O7O@/H!
!

) 4/<9, +34/+!. /O!%-<488-/O. 234/+!
!

A<O!: %(: @' /%)(/!. (1!2O: %&&O(1. *)%(!/-O@O! 2O!&. 1O!&.)(6+!*%!8. :)@*. *O!*<O!1O/3(!
. (1!)&L@O&O(*. *)%(!%8! (. *)%(. @!-O(O8)!/<. 2)(3!&O: <. (/)&/!8%2!9F==N!)(! 3. (1. !
!

7O4O8')&64/,9O4O8'#'61'O&
!

B)C EO. 2)(3!82%&!*<O!O^LO2)O(: O!/%8!*<O!: ' 22O(*!-O(O8)!/<. 2)(3!)(*) . *)7O/!)(!*<O!8%2O/*2+!
/O: %*2K!9F==N!L. +&O(*!/. @%(O!O)@! (%*!-O!O(%' 3<!*%!*3)7O/!' 88):)O(*!&*)7. *)%(!%*! . @!
L. 2*)O/!)(7%67O1! %*! O%2M! O88O: *)7O6+! %*O. 21/! 945H! I (@O//! . ! : @O. 2! 2. *)%(. @O! 8%2!
1)/2)- ' *) (3!*<O!-O(O8)!/!1O7O@%L@1K!: %(@@)*/!. &% (3!O@3)-@O!-O(O8): . 2)O/!O)@! 2)/O!
O)*<!2O/L@: *!%*!O<%!3O*/!O<. *!-O(O8)*K!. (1!<%O!&' : <!%8!O. : <!-O(O8)!3%O! %*!
O. : <H! A<O2O8%2OK!)(!*<O! L2%: O//! %8! 1O/3)(3! . LL2%L2). *O! 9F==N! -O(O8)!/<. 2)(3!
. 22. (3O&O(*!)/!2O: %&&O(1O1!*<. *Z!
!

B. C ?!(. *)%(O)1O!L. 2*):)L. %2+! . //O//&O(*!%8!/* . MO<%@1O2!/BO<%!*<O+!. 2OK!<%O!*<O+!O)@!
-O!. 88O: *O1K!O<. *! 2O!*<O2!)(*O2O/*!b!O^LO: * . *)%(/K!O<O2O!. 2O!*<O+!@%: . *O1K!O*: HC!
/<% ' @1!-O! : . 22)O1!%' *!%*!O/* . -@/<!*<%/O!O<%! . 2O!O@3)-@O!8%2!9F==N!-O(O8)!/H!A<)/!O)@!
&. MO!)*!L%/)-@O!%*!O/* . -@/<!*<O!&. 3(*' 1O!%8!*<O!* . /M!%8!1)/2)- ' *) (3!9F==N!-O(O8)!/H!
B-C A<O!1O/3(!%8!*<O!-O(O8)!/<. 2)(3!&O: <. (/)&/!<% ' @1! : %(/)1O2!)(7O/*)(3!/%&O!%8!*<O!
9F==N! L. +&O(*!)(! 1O7O@%L@O(*! L2%O: */! O<): <! -O(O8)! . @! &O&-O2! %8! *<O!
: %&&' (*+!*%!*L2O7O(*!8. ((3!%8!)(2. ; : %&&' (*+! : %(@@) : *H! #' *!)*!O)@!-O!)&L%2*. (*!

*<. *! *<O! L2%_O: */! . 2O! 1O&%: 2. *): . 6+! . 32001!

20L20/O(*. *)70/!. */*2. *O3): !60706/!%8!*<O!702*): . 6!1)/*2)-' *)%(!: <.)(!*%!* . MO!: <. 23O!%8!
 *<O!9F==N! . : *)7*)O/K!)(: 6' 1)(3!-O(O8)*!/<. 2)(3! . *!<%2)]%(*. 6!60706/H!
 B1C A<O! L2%_O: *! . LL2% . : <! /<%' 61! . 6/%! -O! 20* .)(O1! . (1! /'2' : ** 2O1! . /! %(O! %8! *<O!
 &O: <. (/&!/! %8! %L02. *)%(. 6/)(3! *<O! '_' 2)/1): *)%(! O)1O! &O: <. (/&H! A<O! L2%_O: *!
 . LL2% . : <!)/!6MO6+!*%!2O&.)(!L%L' 6. 2!8%2! . !6%(3!*)&OK! . (1!)*!O)6! L2%- . -6+! -O!&' : <!
 O. /O2!*%!2O. : <!*<O!L%2!&%2O!O88O: *)706+!*<2%' 3<!*<)/!. LL2% . : <H!!
 !
 ! 2%)* , '4,90408'),&; 61'43,64/,>61)'#>6)' . 4,
 !
 B)C A<O2O!)/!. !2)/M!*<. *!9F==N!L. +&O(*!/O)6! -O!/OO(!-+!/%&O!/* . MO<%61O2/!)(!*<O!63<*!%8!
 . !8%2O/*2+!/' -/1+!L2%32. &&OK!2. *<O2!*<. (! . !: . 2- %(!L2%32. &&O!)(!O<): <!LO%L6O!
 . 2O! L.)1! 8%2! : %(: 2O*O! %' *L' *H! A%! . 7%)1! *<)/K! . 22. (3O&O(*!/ <%' 61! L2%7)1O! 8%2!
 L. +&O(*!/!*!-O!&. 1O!%(!. !/: . 6O!O<O2O!*<O!-O*!LO28%2&O2/!3O*!&%2O! . (1!*<O!(%(
 LO28%2&O2/! 3O*! (%*<)(3H! A%! . 7%)1! 82' /'2. *)%(! . &% (3! *<O! L%2! -O: . ' /O! %8!
)(. 1O[' . *O!: . L. :)*)O!/!%8!*<O!L%2!LO%L6OK!*<O!9F==N!)&L6O&O(*. *)%(!L2%32. &&O!/
 /<%' 61! -O! 1O/3(O1!*%! -')61!*<O! : . L. :)+!%8!*<O!6%: . 6! LO%L6OK! /%!*<. *! . 6! O6)3)-6O!
 /* . MO<%61O2/! : . (!L6. +!*<O)2!2%6O!/O88O: *)706+K! . (1!*<' /!O[')* . -6+!/<. 2O!*<O!-O(O8)*!/
 *<. *! . : : 2' OH!!
 B)C " %&L. 2O1!*%!*<O!-O(O8)*!/<. 2)(3! . 22. (3O&O(*!/L2O/: 2)-O1!-+!6. OK!" 45! . (1!" 95!
 . 2O!6O3. 6+!2O: %3(/O1!- ' *!(%!*%7O26+!L2O/: 2)L*)7O! . -%' *!O<. *!%!*!1%!*2!(%!*%!*!1%*H!A<)/!
 L2%7)1O/! . !86O^)-6O! . 22. (3O&O(*!)(!O<): <!*%! 1O. 6!O)*<!&. **O2/!%8!O[')+H! A<O2O8%2OK!
 <O!-O(O8)!/<. 2)(3! . 22. (3O&O(*!/ <%' 61!/LO:)8+!)(!-2%. 1!*O2&!/!*<O!-O(O8)*!/<. 2)(3!
 L2)(:)L6O/! . (1! . ! 82. &OO%2M! O)*<)(! O<): <! -O(O8)*! /<. 2)(3! . 32OO&O(*!/ : . (! -O!
 (O3%*). *O1H! A<O! L2)(:)L6O/! . (1! . 32OO&O(*! 82. &OO%2M! /<%' 61! -O!)(: 6' 1O1!)(!*<O!
 4%2O/*2+!9O3' 6. *)%(!/!/%%(!*%!-O!3.]O**O1H!
 B))C #O: . ' /O! %8! *<O! 3%7O2(. (: O! L2%-6O&!/ &O(*)%O1! . -%7OK!

/<% ' 61! - 0! - %2(O!)(!&)(1!*<. *!*<O!: . 2-%(!-O(O8)*!/!&. +!*2)33O2!. !/: 2. &-6O!8%2!6. (1!
32. --)(3!-+!*<%/O!O<%!: . (!/O: 2O*6+!L2%: O//!6. (1!)*6O/H!;' 88):)O(*!/. 8O3' . 21/!/<% ' 61!
-O!)(: 6' 101!)(!*<O!2O3)/*2. *)%(!L2%: O//!*%!O(/' 2O!*2. (/L. 2O(: +H!

!

5. 48\$#), = 64630 = 04),

!

A<O!6%(3!2' (())(3!: %(88): *!/!' : <!. !/*<%/O!)(!G?/!)(!*<O!5*H!F63%(!E. (1/: . LOK!. (1!*<%/O!
) (7%67)(3!O^*O(/)7O!O%%16. (1/!)(!*<O!: 6. (!&. (. 3O1!6. (1/!)(!>%2*<O2(!! 3. (1. !O)6! (%!
-O!O. /)6+!2O/%67O1!*%!O(/' 2O!L02&. (O(: O!%8!: . 2-%(!: . L*' 2O1!-+!*<O!8%2O/*/H!! 5%/*!%8!
<)(12. (: O/! *%!*<O! 2O/%6' *)%(!%8!*<O/O!: %(88): *!/ . 2O! L%6*) : . 6H! A<O2O8%2OK!) *! O)6! 2O[')2O!
1O&%(/*2. -6O!: %&&)*&O(*!%8!*<O!L%6*): . (/! . *!6%: . 6!. (1!(. *)%(. 6!6O7O6/!-O8%2O!9F==N!
L2%32. &&O/!: . (!-O!(. *)%(. 66+!O88O: *)7OHH!A<

@HNH C-2L40+

,
: %1(O*, . 8,?)O16)%10,

!

A<O!/* 2*)(3!L%)(*!%8!*<O!/* 1+!O. /!*%!O^ . &)(O! . 7.)6. -6O!0*O2. ** 2O!%(!L. 2*(O2/<)L/!. (1!
-O(O8)*!/<. 2)(3!)(!*<O! (. ** 2. 6!20/%' 2: O!/O: *%2K!O/LO:). 66+!O)*<!20/LO: *!*%! 9F==NH!A<O!

/)** . *)%(!O)*<!20/LO: *!*%!*<O!: %' ,3%)(3!L20L. 2. *)%(!8%2!9F==NH!!

!

:)6CO; . \$/O1,5. 4&%\$)6)' . 4&,

!

; %&O!%8!*<O!//' O/!)1O(*)8)O1!' (1O2!0*O2. ** 2O!/' 270+!8%2&O1!*<O!- . /)/!8%2!*<O!/* . MO<%61O2!
: %(/' 6*. *)%(!O<): <!OO2O!: . 22)O1!%' *!. *!*<O!: %&&' (*)+!. (1!6. (1/: . LO!6O7O6!)(*<O!5*H!
F63%(!9O3%(!%8!| 3. (1. H!?!: %&&' (*)+!6O7O6!*O%!O%2M/<%L/!OO2O!<O61Z!%(O!-2%' 3<*!
%3O<O2!20L2O/O(*. *)7O/!%8!8%2O/*2+,206. *O1!: %&&' (*)+! - . /O1!%23. (/ . *)%(!B" #\$/C!)(!
*<O! ; O-O)! ; ' - ,2O3%(^K! . (1! *<O! %*<O2! O%2M/<%L!)(: 6' 1O1! 20L2O/O(*. *)7O/! %8! 8%2O/*2+!

>H 'O&!) \$B) &P'!AB7!P%A) '*) &!\$#!D&B&#*'!"OA%*BQ!
!
#

)(: %&OH!

A<' /K!*%!: 20. *O!9-; 3238. <MK!)*)/!)&L%2*. (*!*<. *!003)-6O!-O(O8):). 2)O/!. 2O!: 6O. 26+!)1O(*8)O1!
. (1! . LL2%L2). *O! &O: <. (/&/! 8%2! *2. (/8O22)(3! *<O! 9F==N! -O(O8)*!/! *%! O. : <! %8! *<O&!
1O/)3(O1H!!

'
>HNH D-/-53<3. 63-+!. /OS46!A<246+!3/!%&77R!P64; 6. 88-+!
!

F03)-6O!-O(O8):). 2)O/!%8!9F==N!L2%32. &&O!/O)6!-O!8%' (1!. *!(. *)%(. 6K!/' - , (. *)%(. 6K!. (1!
: %&&' (*+)(1)7)1' . 6! 60706/H! A<O+! &. +!)(: 6' 1O! 3%7O2(&O(*!)(/*)*' *)%(/K!

A<246!'M1-SE-K-9!

7-+<631234/S5, /<234/!

8)(. (:). 6!-O(O8)*!/

A<O+! O)6!

. 03(!)*!/ L%0:)O/! *%! L2%. : *)706+! 8' (1! 8%20/*2+! L2%32. &&O/! *<. *! 60. 1! *%! O&)//)%(!
201' : *)%(!/!%2!O(<. (: O&O(*!%8!: . 2-%(!/*%: M!
)&L2%7O! 6. O! O(8%2: O&O(*! BOH3H! /O*! ' L! 8%2&. 6! : %%21)(. *)%(! /*2' : *' 2O/! 8%2! 6. O!
O(8%2: O&O(*! . 3O(:)O/! *%! 100-02. *06+! /' LL%2*! 8%2O/*! 6. O! O(8%2: O&O(*! . (1!
3%7O2(. (: OC!
)/*)** *)%(. 0]O! /*. MO<%61O2! : %(/' 6*. *)%(! L2%: O//O/! . (1! : %&L0). (: O! O)*<! /%:). 6! . (1!
O(7)2%(&O(*. 6! / . 803' . 21/! BOH3H!)(! *O2&/! %8! : %(7O2*)(3! 8%2O/*! 6. (1/!)(*%! %*<O2! 6. (1!
' /O/C!
/*2O(3*<O(!%2! - ')61!(OO!)(/*)** *)%(!/*%!)(: 2O. /O!*<O!0MO0<%%1!%8!/ ' : : O//!BOH3H!/O**)(3!
' L!%8!. !9F==N!8' (1!%' *)1O!*<O!2%' *) (O!- ' 13O*!1)/- ' 2/O&O(*/C!
!
\$(! *<O! %*<O2! <. (1K! FG9@ (%*O1! *<. *! 8%2! (%OK! &. (+! %8! *<O! . : *)7)*O/! *<. *! 9F==N! <. /!
/*)&' 6. *O1!. 2O!-O)

: #6\$0, . 8, H > 016)'. 4,

!

>. *)% (. 6!; : . 60!50: <. (/ & / !BL201% &) (. (*6+!J, 63+03 < 234 / b ^ 30 - C!

!

f' 2/1): *)% (/! &. +! - 0! (. *)% (. 6! %2! /' - ,

B))C ; ' - , (. *)% (. 6!@L' * , # . /O1!#O(O8)*! ; < . 2)(3!50: < . (/&!/!

! ;)&6. 2! *% !%L *)% (!B)C!O^: OL *! * < . *! * <) / ! *) & O! * < O! 8' (1 / ! O% ' 61! 3% ! 1) 2O: *! *% ! * < O! / ' - , (. *)% (. 6! 3% 7O2 (& O (* / K! O) * < O2! * < 2% ' 3 < ! % O (! 2O7O (' O! : % 6O : *)% (/ ! % 2! 1) 2O: *! \$ = ? ! L . + & O (* / ! *% ! * < O! ED / H! # O: . ' / O! % 8! * < O! 6% O O2! 8' (1) (3! 2O [') 2O & O (* / ! : % & L . 2O1! *% ! * < O! (. *)% (. 6! / : . 6O! & O: < . () / & / K! > D \$! 8' (1) (3! % 2! L 2) 7. * O! L <) 6. (* < 2% L) : ! 8% ' (1 . *)% (/ ! & . + ! . 6 / % ! - O! / % ' 2: O! / % 8! 8' (1) (3H! A <) / ! M) (1! % 8! 8' (1) (3! O% ' 61! - O! O O 6! / ') * O1! *% ! 6. (1 / : . LO! 2O 8O 2O (: O! 6O 7O 6 / CH! BOH 3H! 5 * H! F 6 3% (K! ? 6 - O 2 *) (O! 9) 8 * K! O * : H! 6. (1 / : . LO / C!

! B)7C ; ' - , (. *)% (. 6!GO28%2& . (: O , # . /O1!#O(O8)*! ; < . 2)(3!50: < . (/&!/!

! A < O / O! & O: < . () / & / ! . 2O! /) & 6. 2! *% ! %L *)% (!B)C!O^: OL *! * < . *! * <) / ! *) & O! * < O! 8' (1 / ! O% ' 61! 3% ! 1) 2O: *! *% ! * < O! / ' - , (. *)% (. 6! 3% 7O2 (& O (* / ! O <) : < ! . 2O! O (3 . 3O1!) (! LO28%2& . (: O! - . / O1! : . 2 - % (! O &) / ! % (/ ! 2O1' : *)% (/ ! BOH 3H! < . 7O! % O (! 2O 8O 2O (: O! 6O 7O 6 / CH! > D \$! 8' (1) (3! % 2! L 2) 7. * O! L <) 6. (* < 2% L) : ! 8% ' (1 . *)% (/ ! : . (! . 6 / % ! - O! / % ' 2: O! / % 8! 8' (1) (3! < O 2O H!

! < 064& , . 8, l ' &) 1' 9%) ' 43, 70408') & ,

! P <) : < O 7O2! & O: < . () / & !) / ! ' / O1K! G2) : O O . * O 2 < % ' / O " % % L O 2 / !) 1O (*) 8 O / ! O . + / ! * < 2% ' 3 < ! O <) : < ! 9F = = N! - O (O 8) * / ! . 2O! 6 M O 6 + ! *% ! - O! 1) / * 2) - ' * O 1 ! B' . = 9 - ! N c H!

= (O! \$ & N ? & = 53 \$ # & / ' & O /) \$ # . & P \$ - . /) & @ \$ 1 \$ " . # & ! # .) * O , . \$ * & = 6) / , 76 & @ \$ 1 \$ " . & P 6 () * 17 & Q \$ - 6 (1 # 2 # & &

D - / - 532! ' M1 - !	#468! \$5! 73+263=, 234 /!
B)C #46-+2!6- /2!! B)H O H K! 1)2O: *! L2%8)*! 82%&! * < O! / . 6O! %8!)&- O2!%2! (% (, *)&- O2!8%2O/*! L2%1' : * / C!	" . / < ! L . + & O (* / !
B)C) 4 8 1 - / + . 234 / ! 45! 4 1 1 4 6 2 , / 3 2 M! < 4 + 2 + !! BOH 3 H K! 8 % 2 O / * ! 6 . (1 % O (O 2 / ! L 2 % * O : * ! 8 % 2 O / * ! 2 . * < O 2! * < . (! : % (7 O 2 * ! *% ! : 2% L! L 2 % 1 ' : *)% (! . (1!) (! 2 O * * 2 (! 2 O : O) 7 O! & % (O * . 2 + ! % 2! (% (, & % (O * . 2 + ! : % & L O (/ . *)% (! 7 . 6' O! O [' . 6! *% ! * < O! L O 2! < O: * . 2O! : % & & O 2:) . 6! 7 . 6' O! % 8! * < O! : 2% L C!!	" . / < ! L . + & O (* / ! A . ^ ! 2 O 6 O 8 ! ! D % % 1 / ! . (1 ! & . * O 2) . 6 / ! BOH 3 H K! / O O 1 6 (3 / ! . (1 8 O 2 *) 6 O 2 / C ! ! " . L . :) * + ! - ') 6 1) (3 ! . (1 ! * 2 .) () (3 ! BOH 3 H K! 8 % 2 O / * ! & . (. 3 O & O (* C ! ! ; % :) . 6! (82 . / * 2' : * * 2O! . (1!) (82 . / * 2' : * * 2O! / BOH 3 H K! / : < % % 6 / K! 2' 2 . 6!) 2 2) 3 . *)% (C ! !

<p>D-/-532!'M1-! B)7C ", 11462! 546! 546-+2! ; 4K-6/. /<-! . /O!3/+232, 234/. 9!O-K-9418-/2!! BOH3HK! L2%7)/%(! %8! *2.)(3! *%! 1)/*2): *! 8%2O/*2+! %88): O2/!)(! <%O! *%!)&L2%7O! /' LL%2*/O27): O!8%2!: %&&' (*)O/!. (1! *<O! O(8%2: O&O(*! %8! : %&&' (*+! 8%2O/*2+!6. OC!!</p>	<p>#468!\$5!73+263=, 234/! @&L2%7O1! /. 6. 2)O/! 8%2! 3%7O2(&O(*! /*. 88K! >D\$/K! . (1! : %&&' (*+! 32%' L/! *%!)(: 2O. /O!2O*O(*)%(!. (1!2O1' : O!</p>
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F%<(!" %/*O(-. 1O2K!R` QQ!%- /O27O/!*<. *!
*<O!8%66%O)(3Z!

-O(O8)*!/<. 2)(3!&. +!)(: 6' 1O!

!

F[')*. -6O!: %&LO(/. *)%(Z!. 6!L. 2*):)L. (

!

F[' . 6! %LL%2*' (*)+Z! / . 8O3' . 21/! *%! O(/' 2O! L%%2! . (1! &. 23)(. 6]O1! 32%' L/! <. 7O!

O[' . 6!%LL%2*' (*)+!*%L. 2*):)L. *O!

A<O! L%%2! : %&&' (*)O/! . 2O! . : *)7O6+! 2O: 2')*O1K! L2%7)1O1! O[' . 6! 7%): OK! . (1! . 6!
L. 2*):)L. (*/!

<O+! . MO!L. 2*!)(!*<O!L2%*O: *)%(!. : *)7)*O/!. (1!8. : O!2O/*2): *)%(!%(!*2. 1)*%(. 6!' /O/!0)MO

. : : 2') (3!*%!*<O!%: . 6!: %&&' (*)+!L. 2*(O2/!-' *!*<O!>4?!OO(*! . 3.)(/!*<)/!L2%7)/%(!)(!
*<O!. 3200&O(*H!

A<O2O8%2O! 3%7O2(. (: O!)(! *<O! 8%2O/*2+! /O: %*2!)/! . (!)&L%2*. (*! : %(/)1O2. *)%(! 8%2! *<O!
1O/)3 (!%8! 9F==N! - O(O8)*!/<. 2)(3!&O: <.)/&#H!A<)/!)/O/LO: . 6+!)&L%2*. (*!)(!*O2&/!%8!
- O(O8)*!)(*(O(1O1! 8%2! 6%: . 6! LO%L6O! - O: . ' /O! *<O+! &. +! (%*! - O! . - 6O! *%! &. 2/<. 6!
/' 88):)O(*!*<O! L%OO2! *%! 8)3<*!8%2! *<O)2! : %(*2. : *' . 6! 2)3<*/!' (6O//!*<O)2! : . L. :)+! *%!*<)/!
O88O: *!8! - ')6*H!!!!

!
>HZH E. /O!. /O!#46-+2!' - /, 6-!

!
4? \$K! RQQ! 1O/: 2)-O/! *O(' 2O! . /!

, # \$ & /' &)\$ A<)/!)&L6O/! *<. *! *O(' 2O!)(7%67O/! 2)3<*/! *%! %O(! . (1\%2! ' /O!
2O/%' 2: O/! - +! . (!)(1)7)1' . 6! %2! . ! 32%' L! %8! LO%L6OH! AO(' 2O! &. +! : %(8O2! O^: 6' /)7O! %2!
/<. 2O1!2)3<*/H!4%2!O^ . &L6OK!)(! 3. (1. K! " 49/! . 2O!%O(O1! - +!*<O! LO%L6O!%8! 3. (1. !
- ' *! &. (. 3O1! - +! *<O! >4?K! . ! / * . *' %2+! 3%7O2(&O(*!)(/*' *%)(H! GO%L6O! . 2O! %8*O(!
6): O(/O1!*%!' /O!*<O!" 49!6. (1/!8%2!*200!32%O)(3K!%L02. *) (3!O: %*%' 2)/&! - ' /)(O/K!O*: H!
E%: . 6! : %&&' (*)O/! . 6%!O(*O2!)(*%!" 45! . 3200&O(*! *%!' /O! *<O! 8%2O/*!2O/%' 2: O/!8%2!
)(: %&O,3O(O2. *)%(! . (1! /' - /)/*O(: O! 6)7O6)<%%1/H! A<O2O! . 2O! 6O3. 6!)(/'2' &O(*! *<. *!
)(/* . 6! *O(' 2O!2)3<*/!*%!O. : <!%8!*<O/O!/* . MO<%61O2/H!F. : <!%8!*<O/O! : . (!-O!L' *! . !: 6.)&!
%!: . 2- % (!2)3</!*%!. !32O. *O2!%2!6O//O2!O^*O(*H!

!
\$' * /)1O! L2%*O: *O1! . 2O. /K! : ' /%&. 2)6+! 6. (1! . (1!8%2O/*! *O(' 2O!)/! &' 6*), 6. +O2O1H! 4%2!
O^ . &L6O!)(!*<O!D' 6' !; ' - ,2O3)(K! >%2*<O2(! 3. (1. K!)*!)/! .)1! *<. *!

. 6\$ & * \$ (* 9& ". & "# & , 1 * \$) & . 6\$ & - () \$ & / ' & . 6\$ & ! " 8 " 1 7 9 & (1 * & "# & O \$ " 1 7 & 6 \$! * & " 1 & .) , # . & ' /) & . 6\$ & ' , . ,) \$ &
! Be) * 3 ' & ! =) / * 2) : * ! E % : . 6 ! D % 7 O 2 (& O (* K ! R ` Q R C H ! @ (! O 8 8 O : * K ! & % / * ! % 8 ! * < O ! 6 . (1 !
- O 6 % (3 / ! * % ! * < O ! : 6 . (H ! A <) / ! M) (1 ! % 8 ! 6 . (1 !) / ! (% 2 & . 6 + ! 1) / * 2) - ' * O 1 ! . & % (3 ! 8 . &) 6 O / ! % 8 ! * < O !
: 6 . (! - + ! * < O ! G : / . & U : \$) " B B : <) O 8 ! % 8 ! * < O ! < % O C " K ! . ! : 6 . (! * 2 . 1) * % (. 6 ! 6 O . 1 O 2 H ! @ (! ? & ' 2 ' ! =) / * 2) : * K !
6%: . 6 ! L O % L 6 O ! . 2 O ! 2 ' / <) (3 ! * % ! % : : ' L + ! 6 . (1 ! - + ! : 6 O . 2) (3 ! * < O ! O % % 1 6 . (1 ! 8 % 2 O / * ! / ! . (1 ! 2) (3 ,
- . 2 M) (3 ! * < O ! 2 O & .) () (3 ! * 2 O O / H ! A < O ! 6 % : . 6 ! : ' / * % & !) / ! * < . * ! + % ' ! % O (! * < O ! 6 . (1 ! + % ' ! . 2 O ! ' /) (3 K !
% 2 ! + % ' ! < . 7 O ! ' / O 1 ! - O 8 % 2 O K ! . (1 ! * < O 2 O 8 % 2 O ! : 6 O . 2) (3 ! % 8 ! 8 % 2 O / * ! B O 7 O (!) 8 ! * < O ! 6 . (1 !) / ! ' / O 1 !
% (6 + ! 8 % 2 ! % (O ! / O . / % (C !) / ! % (O ! / ' 2 O ! O . + ! % 8 ! % O () (3 ! (O O ! 6 . (1 H ! A <) / ! 2 ' / < ! < . / ! - O O (!
O ^ . : O 2 - . * O 1 ! - + ! * < O ! 8 O . 2 ! % 8 ! 6 . (1 ! 3 2 . - -) (3 ! * < . * !) / ! - O) (3 ! O (3) (O O 2 O 1 ! 8 2 % & ! <) 3 < !
L % 6 *) : . 6 ! . (1 ! - ' /) (O / ! ! :) 2 : 6 O / !) (! * < O ! (. & O ! % 8 ! L 2 % & *) (3 !) (1 ' / * 2) . 6 ! . 3 2) : ' 6 * 2 . 6 !
L 6 . (* . *) % (/ ! B ? & ' 2 ' ! =) / * 2) : * ! E % : . 6 ! D % 7 O 2 (& O (* K ! R ` Q R C H !

!
#3; , 6-! >! /<%O/! . ! /: <O&. *) : !2OL2O/O(*. *)%(!%8! <%O! 6. (1!)/!' /O1!)(!*<O! D' 6' !; ' - ,
2O3)(H! A<O! 1). 32. &! /<%O/! *<. *! *<O2O!)/! O^: 6' /)7O! %O(O2/<)L! . *! *<O! : O(*2O!

8%2! : %6O: *)7O!<' (*) (3H!A<)/!)/! . ! &' 6*), 6. +O2O1!6. (1! . (1!8%2O/*! *O(' 2O!)/+/*O&!O<): <!)/!
-2%. 16+!2O: %3(O)O1!-+!6. O!-' *!1%O/!(%*!%L02. *O! . : %21)(3!*%!: 6O. 2!6O3. 6!2' 6O/H!A<)/!
)!/%&O* <)(3!*<. *!*<O!1O/!3 (!%8!*<O!9F==N! - O(O8)*!/<. 2)(3! . 22. (3O&O(*!&' /!1)/: ' /!
. *!6O(3* <!O)* <! * <O!/* . MO<%61O2/!)(7%67O1!B: 6. (!6O. 1O2/K!L%66): . 6!O/* . -6/<&O(*!)(!*<O!
/' - ,2O3)(K! . (1!*<O!6%: . 6!LO%L6O!*<O&/O67O/CH!

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⁶ Traditionally, the Rwot Kweri was chosen by the clan to oversee land use. Every year, he would mark out a block of land in which all families would cultivate, each family with a specific sub-block. When productivity went down, the Rwot Kweri would mark out another block, but the sub-block for each family in the previous blocks would remain the property of that family

!

>H[H &\<9, +3K32M!. /O!) 4/O3234/. 932M!3/!D-/-532!"L. 63/; !

" %/*O(-. 1O2!BR`QQC!/. +/!*<. *!-\<9, +3K32M!%8!6. (1!2)3<*/!/)/!7O2+!)&L%2*. (*!)(!L. +&O(*! 8%2! O: %/+/*O&! /O27): O/! BGF; CH! E. (1! *O(' 2O! . (1! O[' ')'+! . 2O! : 8%/O6+! : %22O6. *O1K! . /! OO. 6*<)O2! &O&-O2/! %8! /%:)O*+! : . (! &%(%L%6])O! *<O! GF; ! L. +&O(*! O<O2O! *O(' 2O!)/! OO. M!%2! : %&L6): . *O1H! dO! . 23' O/!*<. *!2. 1)*%(. 6! . : : O//K!%O(O2/<)L! . (1!' /O!2)3<*/! /+/*O&K!O/LO:). 6+!)(!782): . !. (1!E. *)(!7&O2): . K!L2O/O(*! !: <. 6O(3O!8%2!GF; !B. (1!-+! O^*O(/)%(! 9F==N! L. +&O(*!O<O2O! /' : <! 2)3<*/! . 2O! 7O/*O1!)(! O(*)2O! : %&&' (*)O/! 2. *<O2!*<. (! !/)(36O!6. (1!%O(O2H!A<)/!)/!*<O! : . /O!)(!>%2*<O2(!! 3. (1. !BO/LO:). 6+!)(!*<O! ? : <%6)!/ - ,2O3)(CK!O<O2O! : 6. (/! : %(*2%6!6. 23O!*2. : */!%8!6. (1H!?(1!+O!*<O! : 6. (!/+/*O&/! 1%!(%!*<. 7O!*<O!6O3. 6! : . L. :)'+! %8! : %&&' (*)O/K! / . 8O3' . 21/! . 3.)(/*! : 6. (1O/*)(O! * . MO! %7O2!%8! : %&&' (*)'+! . (1!8. &)6+!6. (1/!B6. (1!32. --)(3CK!O* : H!@(!/%&O! : . /O/K!*<O!/* . 2*)(3! L%)(!*8%2! : 6. 2)8+)(3!O^: 6' /7)*+!O)6! -O!*<O!*2. 1)*%(. 6!6. (1!&. (. 3O&O(*!/+/*O&/!BOH3H! *<O! : 6. (!/+/*O&/!)(!?: <%6)!; ' - ,2O3)(CH!!

!

A<O2O8%2OK!*<O!I 3. (1. !9F==N!L2%32. &&O!&' /!* . MO!*<O!)//' O!%8!-\<9, +3K32M!/O2)%' /6+H! EO3. 6+! 2O: %21O1! %O(O2/<)L! &' /!* -O! 1O7O6%LO1K!)(: 6' 1)(3! -%' (1. 2+! 1O6)(O. *)%(K! -')61)(3!*<O!6O3. 6! : . L. :)'+! %8! : %&&' (*)O/K! / . 8O3' . 21/! . 3.)(/*! : 6. (1O/*)(O! * . MO! %7O2!%8! : %&&' (*)'+! . (1!8. &)6+!6. (1/!B6. (1!32. --)(3CK!O* : H!@(!/%&O! : . /O/K!*<O!/* . 2*)(3! L%)(!*8%2! : 6. 2)8+)(3!O^: 6' /7)*+!O)6! -O!*<O!*2. 1)*%(. 6!6. (1!&. (. 3O&O(*!/+/*O&/!BOH3H! *<O! : 6. (!/+/*O&/!)(!?: <%6)!; ' - ,2O3)(CH!!

" %/*O(-. 1O2!BR`QQC!. 6/%!. 23' O/!*<O! (%*)%(!%8!<4/O3234/. 932M!. /!. 88O: *) (3!O[' ')'+H!A<O!

NH \$P*\$B"!#\$%!%&77R!D&B&#*!"OA%*BQ!C&) OAB**C"!*B!: QAB7A!

!

J. 2)%' /!%L*)%(!8%2!9F==N!-O(O8)*!/<. 2)(3!&O: <. ()/&!O02O!1)/: ' //O1!1' 2)(3!*<O!5*H!

A2. : M) (3! &% (O+!) (! !- . /MO*!8' (1!)/!) (<O2O (*6+!1)88): ' 6! . (1!*<O2O8%2O! &% (O+!: %' 61!
O (1!' L! - O) (3! 1)7O2*O1!!82%&!8%2O/*2+\9F==K!%2!)!*: %' 61!/!. +!. *!*<O!: O (*2O! *%! &OO*!
: % (*2)7O1!. 1&)(/)*2. *)%(!: %/*!
=O6. +\-' 2O. ' : 2. :)O/!)(! &. (. 3O&O(*! %8! 8' (1/! . //%:). *O1! O)*<! 3%7O2(&O(*!
L2%32. &&O/BOH3H!. !/*2)(3!%8!' (: . 2)(3!/3 (. *%2)O/C!O)6!6&)*!*<O!L. : O!%8K!. (1!%' *L' *!
%8!)&L6O&O(*. *)%(!
=)88): ' 6*)O/!)(! : %&LO(/. *) (3! . (1\%2! L2%7)1)(3!)(: O(*)7O/! *%!*<O! &. (+! . : %2/! O)*<!
7. 2)O1!)(*O2O/*/! &. +! 6O. 1! *%! 32)O7. (: O/! . (1! *<' /! /6%O! 1%O(!%2!)(*O28O2O! O)*<!
)&L6O&O(*. *)%(!
G%2!3%7O2(. (: O!B100L,2%*O1!: %22' L*)%(K!6. : M!%8!*2. (/L. 2O(: +K!. !L2O1)6O: *)%(!*%!
/*O. 6!L' -6!: !8' (1/!O)*<!)&L' (*)+K!)(<O2O(*! - ' 2O. ' : 2. :)O/K!. (1!)(86O^)-6O!/+/*O&/!%8!
L2%: ' 2O&O(*! . (1! 8)(. (:). 6! &. (. 3O&O(*K! O*: HC! O<): <!)/! : <. 2. : *O2)/*): ! %8!
3%7O2(&O(*! %*<O2O)/O! 3%1!)(*O(*% (O1! L2%32. &&O/! O)6!)&L. : *! (O3. *)7O6+! %(!
9F==N!-O(O8)*!/<. 2)(3!
!
@!)/!)&L%2*. (*! *%!' (1O2/* (1! *<. *!)!O)6! -O!. (!' L<)6! * /M! *%! 1O/)3(!9F==N! -O(O8)*!
/<. 2)(3! . 22. (3O&O(*/! *<. *! O)6! -O! 82OO! 82%&! *<O/O! 7): O/H! #! *!)*! &' /! -O! 1%(O!)8!
| 3. (1. !)/!*%!* . MO!)*!/2)3<*8' 6L6. : O!)(! : %&&' (*)+!%8!(. *)%(/H!
!
J6)' . 46\$,E! | | K, -%4/,
!
A<O!4' (1!O%' 61! -O!/O*!' L! -+!6. OH!A<)/! : %' 61! -OK!O)*<O2! . !/OL. 2. *O!6. O!6MO!*<O!%(O!
*<. *!O/* . -6!/<O1! *<O! >. *)%(. 6! ?32): ' 6*' 2. 6! ?17)/%2+! ; O27): O/K! %2! (O/*O1! . (1! : 6O. 26+!
1O6(O. *O1!O)*<)(!*<O!A2OO!4' (1!O<): <!)/!. 6O. 1+!L2%7)1O1!8%2!)(*!<O!>. *)%(. 6!4%2O/*2+!
. (1!A2OO!G6. (*)(3!?: *!BR` `SCK!. (1!*<O! . : : %&L. (+)(3!4%2O/*2+!9O3' 6. *)%(/!dD4\!@ch

;)(: O!*<O!4' (1!)/!8%: ' /O1K!*<O2O!O%' 61!-O!80002!106. +/!)(!1)/- ' 2/O&O(*!
@!L2%7)1O/!. (!%LL%2*' (*)+!*%L02. *)%(. 0/O!*<O!A200!8' (1!
A<O!4' (1!: . (!60702. 30!. 11)*)%(. 6!/' LL%2!*8%2!945

G. 2*):)L. (*!)(!*<O!: %(/' 6*. *)%(!O%2M/<%L/!)(!*<O!5*H!F63%(!E. (1/: . LO!)1O(*)8)O1!*<O!
8%6%O)(3!/*2O(3*<!/!. (1!%LL%2* ()*)O/!)(!*<O!/&%1O6!%8!-O(O8)*!/<. 2)(3Z!
!

?6! O03)-6O!/* . MO<%61O2! 6%: . 6! : %&&' (*)O/!<. 7O!*<O!%LL%2* ()*+!B. *!6O. /!*<. *)/!
*<O!)(*O*)%(C!*%!/<. 2O!)(!*<O!-O(O8)*!/1OLO(1)(3!%(!O<. *)/!. 7.)6. -6O!%!/<. 2O!
;%&O!%8!*<O!6%: . 6! LO%L6O!<. 7O! . -. (1%(O1!)6O3. 6! . : *)7*)O/! . (1!<. 7O! 3%**O(!
O(3. 3O1!)(!)(: %&O!3O(O2. *) (3! . : *)7*)O/!!
E%: . 6! LO%L6O! . 2O!3)7O(!)(L' */!)(!*O2&/!%8!/OO10(3!/O<): <!<O6L/!%*! : %(/O27O!*<O!
(. ** 2. 6! 8%2O/*/! . (1! : %(*2)-' *O! *%O. 21!/ /' /*.)(. -6O! 6. (1! &. (. 3O&O(*!*<2%' 3<!
: %(*2%6!%8!O2%/)%(!
d. 27O/*)(3!)/!2O3' 6. *O1!/!%*<. *!6. O! . -)1)(3!6%: . 6! LO%L6O! . 2O! (%*!<. 2. //O1! . (+!
&%2O!
!

d%OO7O2K! *<O2O! OO2O! . ! (' &-O2! %8! : <. 6O(3O!/2.)/O1! . -%' *! *<O! /! -O(O8)*! /<. 2)(3!
&%1O6!
!

; %&O! : %&&' (*)O/! (O)3<-%' 2)(3! *<O! >G! <. 7O! (O7O2! -O(O8)*O1! 82%&! *<O! R` a!
2O7O(' O! /' LL%/O1! *%! -O! /<. 2O1H! A<O2O! . 2O! &. (+! 1)/*2): */! . 2%' (1! *<O! >G! b!
<O2O8%2O!<O!&% (O+! . 7.)6. -6O!-O: %&O/!%*%!6)**6O!
A<O! L2%: O//!%8! . : : O//)(3!*<O! &% (O+!)/! : ' &-O2!%&Oc! /%&O! 32%' L/! 8.)6! *%! O2)*O!
L2%_O: */! *%! | P? ! -O: . ' /O! *<O+! 1%! (%*!<. 7O! *<O! /M)6/!%2! *<O+! : . ((%*! O2)*O!)*!(!
F(30)/<c! /%&O! 1%! (%*! O7O(! M(%O! O<O2O! *%! 3%! 8%2!)(8%2&. *)%(! . -%' *! *<O!
2O[')2O&O(*//H!
A<O! ** . 6! 2O7O(' O! -O)(3! /<. 2O1!)/! (%*! 1O: 6. 2O1! -+! | P?K! . (1! *<O! /! : 2O. *O/!
/ /L):)%(/!*<. *! | P?)/! (%*! 2O6O. /)(3!*<O! : %22O: */!<. 2O!%8!*<O!2O7O(' O!
" 2)*O2). !8%2!/O6O: *) (3!32%' L/!%*!-O(O8)*! . 2O! (%*! : 6O. 2!
?: : %' (* . -)6*+!)(!*O2&/!%8!7. 6' O!8%2!&% (O+! : . ((%*!-O!3' . 2. (*OO1!
!

;)&)6. 26+K! *<O! 9F==N!2O7O(' O/!2O. : <)(3!*<O!6%: . 6! : %&&' (*)+!O)6! (%*!-O!O(%' 3<!%*!
: . *O2!8%2!*<O! (OO1/!%8! . 6!O03)-6O!-O(O8): . 2)O/! . *!*<O!/ . &O!*)&OH!@!8. : *K!&. (+!7%): O/!
. 2O!*%1. +! : . 6! (3!8%2!2O/*2.)(*!)(L6. :)(3!%*%! &' : <!8.)*<O!)(!*<O! : . 2-%(!2O7O(' O/!%*!
2O7O2/O!1O8%2O/* . *)%(!. (1!8%2O/*!1O32. 1. *)%(H!hO/K!*<O!2O7O(' O/!O)6!-O! /O8' 6!-' *18. 2!
82%&!-O)(3! . 1O[' . *OH!?(1!/%K!*<O!(%2&. 6!L' -0): !. (1!L2)7. *O!)(7O/*&O(*/!)(!2O/*%2)(3!
8%2O/*!8' (: *)%(!/&' /*! : %(*)(' OH!!
!

THNH %-K- / , -!"L. 63/; !D-2^-- /!73+263<2! . /O!E4^ -6!E4<. 9!Q4K-6/8- /2+!
!

A<)/!)/! . !J, 63+O3<234/!^3O-!8-<L. /3+8H!A<O!2O7O(' O/!<. 2)(3! . 22. (3O&O(*!)/!O*!' L!-+!
<O!E%: . 6! D%7O2(&O(!?: *K!QYVH!A<O!?: */!/*)L' 6. *O/!*<. *)!(!*<O! :)*+! . (1!&' ()): L. 6!
: %' (:)6/K! . !=)7)/%(!" %' (:)6!/<. 6!2O* .)(W` a!%8! . 6!*<O!2O7O(' O!)*! : %6O: */!)(!)*/! . 2O. !%8!
_ 2)/1): *)%(K! . (1! 2O&)*! W` a! *%! *<O! ")*+! %2! 5' ()): L. 6! " %' (:)6! @! 2' 2. 6! . 2O. /K! . !
; ' - : %' (*+!" %' (:)6!/<. 6!2O* .)(!&)()&' &!%8!UWa!%8!*<O!2O7O(' O!)*! : %6O: */! . (1!L. //!
*<O!2O&.)(3! L.T2!*1% 7O6!)*%<6O!
!

B: C

@! O. /!)(*020/*)(3! *%!(%*O! *<. *! ' (102! /%&O! " 45! . 22. (30&O(*! BO/LO:). 66+! *<%/O!
) (7%67)(3! . !L2)7. *O!: %&L. (+! %2! " ; \$! . /! *<O! %' */)10! L. 2*(O2CK! &%/*! %8! *<O! - O(O8)*!
*<. *!O02O! - O)(3!L. //O1!%(!*%!*<O!" 45!32%' L/O02O!(%*!070(!)(: 6' 101!)(!*<O!" 45!
. 3200&O(*!B" <. (12. /OM<. 2. (!#O<2!O*!. 6!R`QRCH!@(!8. : *K!)*!O)66! - O!1)88): ' 6!*%!)(: 6' 10!
. 66!*<O! - O(O8)*!)(!*<O!. 3200&O(*! . *!*<O! - O3)()(3K!. (1!(O)*<O2!O%' 61!)*! - O!10/2. - 6O!
%! 1%!/%! - O: . ' /O!<O+!O)66! (%*! - O!M(%O(!O)*<L20:)/)%(!B[' . (**)O/K!)(L' */!%8!O. : <!
- O(O8):). 2+K!O*: HCH! d%O0702K!)*!O)66! - O!)&L%2*. (*!*<. *!*<O!. 3200&O(*! . 2O!10/3(O1!
O)*<!/ ' 88):)O(*! 603!2%%&! *%! O(. - 6O!207)/)%(!%8! *<O!. 3200&O(*! . /!(O01! . 2)/O/H! A<)/!
<O208%2O!&O. (/!<. *!603)/6. *)%(!/<%' 61!. 66%O!8%2!*<)/H!

!

0"7,)\$&N

D4\!>_'L-!B. 234/. 9!#46-+26M!#3/. /<3/; !#, /O!d#\$BA#*\$c_!A!B. 234/. 9!P64; 6. 88-!546!P. M8-/2!
546!&/K364/8-/2!"-6K3<-+!3/!) 4+2. !%3<. !

A<O!(. *)%(. #G. +&O(*!8%2!F(7)2%(&O(*!; O27): O!/BGF; C!L2%32. &!)(!" %/* . !9): . !: . &O!(*%!-O)(3!
. 8*O2!*<O!L. //)(3!%8!. !(OO!8%2O/*2+!6. O!B4%2O/*2+!E. O!>%#!VWVWC!)(!QYYUH!A<)/!6. O!O/* . -@/<O1!*<O!
2O3' 6. *%2+!- . /)/!%#!L. +!6. (1%O(O2/!8%2!*<O!O(7)2%(&O(*!/O27): O!/*<O+!L2%7)1OH!!

!

A<O!>. *)%(. #4%2O/*2+!4)(. (:)(3!4' (1!B4\$>?4@4\$C!%L02. *O/!' (1O2!*<O!5)()/2+!8%2!F(7)2%(&O(*!
. (1!F(O23+K!. (1!)/!*<O!. 3O(:+!)(! : <. 23O!%8! . 1&)/^2. *) (3!*<O!GF;!L2%32. &#! @(!2O* 2(!8%2!
L. +&O(*!/K!4\$>?4@4\$!2O: O)7O/!*<O!2)3<*!%!: . 2-%(!. (1!*<O2!O(7)2%(&O(*. #!/O27): O!8%2!*<O!
6O(3*<!%8!*<O!: %(*2. : */H!A<O/O!O(7)2%(&O(*. #!/O27): O/!: . (!*<O(!-O!/%%61!. /!. !O. +!%8!8)(. (:)(3!
*<O!L2%32. &#!d+12%,

THWH 'L-!'. ^94; !P640, <234/!Q6. /2!"<L-8-!!!

!

A<)/!)/! 164J-<2! =. + -O!5, /O! 8. /.; -8 -/2! 8-<L. /3+8H! A<O!; . O6%3! G2%1' : *)%(! D2. (*!
; : <O&O!B; GD; C!)/! . !L2%_O: *!8' (101! - +! *<O!F' 2%L0. (!" %&&)/!%)(!. (1! D%702(&O(*!
%8! >%2O. +H!@!)/! (%*!/*2): *6+! . ! -O(O8)*! /<. 2)(3! &O: <. (/&K! -' *! . !8' (1! &. (. 30&O(*!
L2%_O: *! 82%&! O<): <! 9F==N! -O(O8)*! /<. 2)(3! 10!3(! : %' 61! *. MO! . ! 6O. 8H! P<6O!)*!)/!
*O: <(): . 66+! ' (102! *<O! /' L027)/%(! %8! *<O! 5)(/2+! %8! P. *O2! . (1! F(7)2%(&O(*K!)*/!
%L02. *)%(! . 2OK! *%! . 66!)(*O(*!/. (1! L' 2L%/O/K!)(10LO(10(*!B. 1&)(/2. *)7O! /2' : *! 2OK!
/ . 88!2O: 2') * &O(*K!L2%: ' 2O&O(*!b! . : : %' (*) (3!/+/*O&/K!O*: HCH!

!

; GD; !L2%7)10/!32. (*!/. (1!*O: <(): . 6!/' LL%2*!%*!L2)7. *O!O: %2!&O&-O2!O<%!)(7O/*!)(!
*)&-O2! . (1!6. 23O!*2. (/&)/!%)(!L%6O!L6. (*. *)%(!: 2%L/H!A<O!; GD; !: 0O(*!/. 2O!*<%/O!O<%!
<. 7O!O(*O2O1!. !8%2&. 6! : %(*2. : *K!. (1!L. +&O(*!)/!&. 1O!%(6+!*%!*<%/O!O<%!<. 7O!&O*!
<O!/ . (1. 21/!. 320O1!)(!*<O! : %(*2. : *H!A<O2O!)/! . !8)^O1!2. *O!%8!L. +&O(*!L02!<O: *. 2O!
B&% (O* . 2+!L. +&O(*!O<): <! . 2O! L028%2&. (: O! - . /O1C! . (1! . *!8)^O1!)(*O27. 6!%7O2! . !
L02)%1! %8! *<20O! +O. 2/! BO<O(! *<O! *20O! : 2%L!)/! : %(/)1O2O1! O/* . -0/<O1CH! ; GD; ! . 6/%!
/' -/1)]O!/L2. : *): . 6!*2.)()(3! : %' 2/O/K!%23. ()]O!/2O3' 6. 2!8)O61!O^: ' 2/)%(/! . (1!L2%1' : O!
O: <(): . 6! 3')100(O! B(%(&% (O . 2+! -O(O8)*/C! 8%2! : 0O(*!H! A<O! : 0O(*! . 2O!
L2O1%&)(. (*6+!&O1)' &!%*!6. 23O!/: . 6O!BO. : <!2O[')2O1!*%!O/* . -0/<!%7O2!R`!<O: *. 2O!
%8!*)&-O2!L6. (*. *)%(!/!)(!*<2O0!+O. 2/CH! ; &. 66O2!%(O!/ . 2O! . 6/%!/' LL%2*O1!-' *!*<O+!1%!(%*!
2O: O)7O!1)2O: *!8)(. (:). 6! - O(O8)*/H!

!

A<O!MO+!)/' O!<O2O!)/!L. +&O(*! . 3.)(*!/* . (1. 21/!/LO:)8)O1!)(! . !: %(*2. : *H!@!O)6! -O!
(O: O//. 2+!8%2!9F==N!*%!O(/' 2O! - O(O8): . 2)O/! . 1<O2O!*%!/*2): *!/* . (1. 21/!8%2!2O/L%(/)-6O!
8%2O/*! &. (. 30&O(*H! A<)/! O)6! : . 66! 8%2! *2.)()(3c! O/LO: . 66+! *<O! 0%: . 6! : %&&' (*)+!
&O&-O2/K!*%!O(. -6O!*<O&!8! 68)6!*<O)2! . 320O1!2O/L%(/)-)0*)O/K!. (1!*<' /!O. 2(!*<O)2!/<. 2O!

)&-02! . (1! : . 2-%(! 20/' 6)(3! 82%&! *<0! 8%20/*! 20/*%2. *)%(! 0^02:)/OH! A<0! /<. 2)(3!
. 22. (30&0(*!<. 70! (%*! -00(! /LO:)8)01K! 60*! . 6%(0! 02)**0(!)(*%! *<0! -0(08)*! /<. 2)(3!
. 3200&0(*!K! -' *!*<020!)/!. (!' (02)**0(!' (102/* . (1)(3!*<. *!/<. 2)(3!O)W! -0! 1%(OH!A<)/!

!

D- / -53 < 3. 6M!	P-6 < - / 2. ; -!
F: %*2' / *!B!* < O!L2%_O: *!: %%21)(. *%2!C	

%(6+!)(!. /!8. 2!. /!* . M)(3!L2O// ' 2O!82%&!L2%*O: *O1!. 2O. /!O. /!: %(: O2(O1H!?: : %21)(36+!
9F==N!- O(O8)*!/<. 2)(3!&O: <. (/&/!/<%' 61!- O!10/)3(O1!*%!: . *O2!8%2!*<%/O!O<%!L6. (*!
2OO/!%!* . MO!L2O// ' 2O!%88!(. ** 2. 6!8%2O/*/!. (1!*<%/O!O<%!: <%%/O!(%!*%!: ' *!*<O!(. ** 2. 6!
8%2O/*/!B6O3. 6+!%2!66O3. 6+CK!- ' *!)(/*O. 1!&. (. 3O!*<O&!B)(!L. 2*(O2/<)L!%2!. /!%O(O2/C!)(!
. !2O/L%(/)- 6O!&. ((O2H!

!

UH) \$B) E: "\$B"!AB7!%&) \$CC&B7A'\$B"!!

!

A<O!: %(: 6' /)%(/!-06%O!. 2O!&. 1O!%(!*<O!- . /)!%8!O<. *)/!M(%O(!. (1!2O: %21O1!. -%' *!
-O(O8)!/ <. 2)(3!)(!*<O! (. *' 2. 6!2O/%' 2: O!/O: *%2K! O)*<!6O//%(/! . 6/%! 12. O(!82%&!%*<O2!

. 20!M(%O(!O)*<! : 6. 2)*+K!/%!*<. *!*<O!6%: . 6!LO%L6O!: . (!3%!)(*%!*<O!1O. 6!O)*<!820OK!
L2)%2K! . (1!)(8%2&O1!: %(/O(*H! \$ (6+!*<O(!. 2O!*<O+! 6!MO6+!*%! 2O&.)(!6%+. 6! *%!*<O!
2O/L%(A)-6O!8%2O/*!&. (. 3O&O(*!L2%32. &&O/H!A<)/!O)6!2O[']2O!O/* . -6/<&O(*!%8! . !
: 2O1)-6O! (. *)%(. 6! 2O8O2O(: O! /: O(. 2)! . 3.)(/! O<): <! L02)%1): ! &%1O6(3! 8%2!
O&)/!%(!2O1' : *)%(!: . (!-O!1%(O!*%! 3O(O2. *O!)(8%2&. *)%(!8%2!8O01)(3!)(*%!*<O!
: %&&' (!: . *)%(!L6. (!O<): <!O)6!-O!L. 2!*!8!*<O!(. *)%(. 6!9F==N!; *2. *O3+H!

B7))C A<O!9F==N! -O(O8)*!/<. 2)(3!L2%32. &&O!L2%7)1O! . !: %(: 2O*O!%LL%2*')+!*%!
. : *)7. *O!L. +&O(*!8%2! O: %/+/*O&! /O27): O! BO/LO:). 6+! O. *O2/<O1! &. (. 3O&O(*!
/O27): O! . (1!-)%)1)7O2/*+!: %(/O27. *)%(H!A<)/!O)6! -%%/*!*<O!2O7O(' O! . : 2')(3!*%!
*<O! /&. 6! 6. (1! %O(O2! O<%! : <%/O! *%! 32%O! . (1! &. (. 3O! 8%2O/*! B(. ** 2. 6! %2!
L6. (*O1C!%(!L. 2*/!%8!*<O)2!6. (1!)(/*O. 1!%8!32%O)(3!. 32): ' 6*' 2. 6!: 2%L/H!

!
UH>H D-/-532!"L. 63/; !C-<L. /3+8+!

B)C P<)6O!*<O! (. *)%(. 6! 6O7O6! /: O(. 2)! O)6! 6O. 1! *%! LO28%2&. (: O! - . /O1! L. +&O(*!
&. 1O!*%!! 3. (1. K!)*!O)6! -O!(O: O//. 2+!8%2!*<O!: %' (*2+!*%!O/* . -6/<O(O8)*!/<. 2)(3!
&O: <. (/&!/!<. *!&. MO!)*!L%/)-6O!8%2!1)/*2- ' *)%(!%8!-O(O8)*!/ . : 2%/!*<O!/LO: *2' &!
%8!O6)3)-6O!-O(O8): . 2)O/H! ?*!6%: . 6!6O7O6!O6)3)-6O!-O(O8): . 2)O!O<%!O)6! <. 7O!*%!-O!
: . *O2O1!8%2!)(*<O!-O(O8)*!/<. 2)(3!&O: <. (/&!/!)(: 6' 1OK!-' *!. 2O!(%*!6&)*O1!*%Z!

4%2O/*!%O(O2!/B(. ** 2. 6!. (1!L6. (*O1C!
" %&&')+! &O&-O2! O<%! : . 22+! %' *! . : *)7)*O!)(! *<O! &. (. 3O&O(*! %8!
L2%*O: *O1!. 2O. /BOH3H!L. *2%6/! 3.)(/!)*O3. 6!. : *)7)*O/K!-' %' (1. 2+!%LO)(3!O*: HC!
" %&&')+! 6O. 1O2! O<%! : . 22+! %' *! &%-6)6. *)%(K! 2O/%67O! : % (86): *K! O(8%2: O!
: ' /*%&. 2+!2' 6O/K!O*: HC!
" %&&')+!&O&-O2!O<%!O^L02)O(: O!%LL%2*')+!: %/*! . //%: . *O1!O)*<!/*2): *!
2O3' 6. *)%(!%8! . : O//!*%!*<O!8%2O/*!
\$*<O2!6%: . 6!LO%L6O!%8!3%1O)6!-' *!O<%!1%!(%*<)(3!%8!*<O!. -%7O!

!
B))C 4%2!*<O!O6)3)-6O!-O(O8): . 2)O!/' : <!. /!*<%/O!6/*O1!. -%7OK!)*!O)6! (%*!-O!L%/)-6O!*%!
- . /O!*<O!-O(O8)*!/1' O!*%!. 6!%8!*<O&!(!*%((O!/%8!" \$R!O&)/!%(!: . L*' 2O1!B. /!*<O!
8%2O/*!32%OC!%2!2O*.)(O1!BO^)/*(3!8%2O/**2O0!/*%: MC! . /! . !2O/' 6!*%8!*<O)2! . : *)%(!/%2!
2O/*2.)(*!82%&! : O2*.)(!. : *)%(/H!A<O2O8%2OK!*<O!-O(O8)*!/<. 2)(3!&O: <. (/&!/O)6!7. 2+!
. : : %21)(3!*%!*<O!-O(O8): . 2+! . (1!*<O)2!2%6O!)(! . ** .)(3!*<O!O&)/!%(!6O7O6!8%2!
O<): <! *<O! : %' (*2+!)/! -O)(3! L.)1H! A<)/! &O. (/! *<. *! *<O! &O: <. (/&!/ O)6! -O!
1O!3(O1! *%! -O! LO28%2&. (: O! - . /O1! BOH3H! . 2O. ! %8! (. ** 2. 6! 8%2O/*! &. (. 3O1!
. : : %21)(3!*%!O/* . -6/<O1!/* . (1. 21/C!%2!)(L' *! - . /O1!BOH3H! <%' 2!/LO(*!(!8%2O/*!
L. *2%6/K!O<O*<O2!)*O3. 6!)*&-O2!)/!&L%' (1O1!%2!(*%K!6%: . 6! : %' (:)6!/)**)(3!*%!2O/%67O!
: % (86): *K!O*: HC!

B))C A<O2O!)/! 3O(O2. 6! &)/*2' /*! . -%* *!*<O!O88): . : +%8! . (+!&%()O! : <. ((O6O1!*<2%' 3<!
*<O! 2%' *) (O! 3%7O2(&O(*! -' 13O*)(3! L2%: O//O/H! A<O! &)/*2' /*!)/! . ! 2O/' 6! %8!
3%7O2(. (: O!L2%-6O&!B: %22' L*)%(K!*2. (/L. 2O(: +K!-' 2O. ' : 2. :)O!)(!L2%: ' 2O&O(*!
b!8)(. (:). 6!&. (. 3O&O(*K!O*: HC! . //%: . *O1!O)*<!/' : <!--' 13O*. 2+!L2%: O//O!/*%1. +H!

%&#&%&B) &"!

!

QH ?&' 2' !=)/2): *!E%: . 6! D%7O2(&O(*!R` QRH! =2. 8*! =)/2): *!4%20/*2+! =O7O6%L&O(*!G6. (!
8%2!*<O!GO2)%1!R` QS\QT! !R` RS\RT!

RH " . 2O! b! >4?K! R` `VH! G. 2*):)L. *%2+! 4%20/*! 5. (. 3O&O(*!)(*) . *)7O/!)(! I 3. (1. ! - +!
F5G?4\$95!

SH " <. (12. /OM<. 2. (! #O<2K! " <. (12. /OM<. 2. (! #O<2KK! F)6OO(! 5.)2O(. ! " ' (())(3<. &K!
5-0+. 6O!D)&- . 3OK!D0%23O!e. _O&-OK! ; *O7O!>/)*. Kl eO((O* <!EH!9%/O(-. ' &K!R` QRH!
#O(O8)*! ; <. 2)(3!)(! G2. : *): OZ! @(/)3<*/! 8%2! 9F==N! @(*). *)7O/H! P. /<)(3*(K! =" Z!
G2%32. &!%(!4%20/*! !BG9\$4\$9C!

TH 4%1!. (1! ?32): ' 6* 2O! \$23. (/ . *)%(!%8!*<O! I ()*O1!>. *)%(/K!R` QQH!9O8%2&)(3!4%20/*!
AO(' 2O! !@/' O/K!G2)(:)L6O/!. (1!G2%: O//!

WH F6O: *2): !G%OO2! 9O/O. 2: <! @(/)*' *OK! R` QRH! \$7O27)OO! %8! ;' - , (. *)%(. 6! G2%32. &/! *%!

RSHA<O! D6%- . 6! 50: <. (/&! %8! *<O! I (*O1! >. *)%(! " %(70(*)%(! *%! " %&- . *!
=O/O2*)8): . *)%(K! R`QRH! 9F==NZ! 9O1' :)(3! F&)/!%)(!82%&! =O8%2O/* . *)%(!. (1!4%2O/*!
=O32. 1. *)%(! !?(!@(*2%1' : *)%(!
RTHA<O!9OL' -0): !%8!! 3. (1. Z!A<O!>. *)%(. 6!4%2O/*2+!. (1!A2OO!G6. (*)(3!?: *K!R` `S!

A//-\!@. _!P-419-!) 4/+ , 92-0!3/!2L-!C2H!&9; 4/!E. /O+<. 1-!

!

P. 623<31. /2+!5648!C=. 9-!73+263<2!

!

BAC&!	Q%\$: P!	'**E&!
QH >0(3%(O! 9%/O&. 2+!	I #P#?!	I P?!90L20/O(*. *)70!

RH

P. 623<31. /2+!5648!` . 1<L46^ . !73+263<2!

!

BAC&!	Q%\$: P!	'*E&!
VUH #0. *2): O!;' &%(!	e. LMO.)!9Hh!	50&-02!d " >!
VVH ;)MO*!5)MO!" <0&' /*%!	eO%*)\e#?!	" <.)2&. (!

!

B4!	B. 8-!	\$6; . /3+. 234/!	'329-!
RS!	" <. 260/!E. (3. (!	I " #!	4%20/*2+!" . 2- %(!
RT!	; . &' 0!e. _%- . !	>%2003). (!F&- . //+!	?17)/%2!
RW!	" <. 260/!P. 6. 3. !	F(7)2%(&O(*. 0!702*!	F^O: ' *)70!=)2O: *%2!
RU!	G. *2): M!#+. M. 3. - . !	5I e!	EO: ** 202!
RV!	9%-02*!5-0: <0!	@ " >!	90/0. : <02!
RX!	; %L<)0!e' *030M. !	@ " >!	G2%32. &&O!\$88): 02!
RY!)&%(! GO*02! ?&' (. ' !	@ " >!	G2%_O: *!\$88): 02!,!9011!

!