!!

```
! "#$%&'()#*"%+(, (-. /012. 3". %#$(42$05+(!
62178#+(92+:(; 1#33#1()5&22$((!
!"#$"%&'(%)*+', +-"!
.*+/0%&"!
.12'345'!
!!
!!
!!
!!
```

ļ

ļ



?78J!31*-5/"O"1%'S: \&-5.\+'` .=.\=!! ?78M!\.5"'



K78Q78!! , #=="1<"5'@.*%=!! K78R!F#1: #\$'! #19\$.1<'; N"5#%.-1=!! K761!Y-.="!! K768!, \$#1%_'V −5U'3W: .NO"1%"#19'F #/&.1"5+!! ļ K76878!! V-5U=&-N'F#/&.1"5+!!ļ K76876!! ! #19'0') O#\$\$'L--\$=!! K766!)\$.N=_'L5.N='#19'\#\$\$=!! K76?!)%-5#<"'H#/U.1<!! K76K!)/&--\$'L5.N=!! K76J!`.[5#%-1!! K76M!V''#%&''5'>-19.%-1=!!K76P!V-5U.1<'#%'! ".<&%'0'V-5U.1<'-1'\5#<.\$"'): 5*#/"=!! ļ K76P78

İ



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

=+'!6>?'@*43'!6.!*+4:!A6)4@/!4:!*6!(**(42!(29!7(42*(42!+4B+!:*(29(59:!6.!+'()*+!(29!:(.'*/!A'5.657(2@'!*+56CB+6C*!=65DC(/!E6/:!F5(77(5!-@+66)#!!

8))!A' 5:62:!@629C@*42B!(@*434*4': !C29'5!*+'!2(7'!6.!=65DC(/!E6/:!F5(77(5!-@+66)!G4))!(9+'5'! *6!*+4:!&'()*+!O!-(.'*/!H6)4@/#!!

=65DC(/!E6/:!F5(77(5!-@+66)!G4))!@67A)/!G4*+!*+'!&'()*+!(29!-(.'*/!(*!1~65J!'*@#!8@*!\$KLM!~(29!N'BC)(*462:!:C>:'DC'~2*)/!)(49!C29'~5!4*!(29!7''*!*+'!:*(29(59:!5'DC45'~9!*+'5'~42#!!~1.*))

&(0(59:!G4))! >'!49'2*4.4'9!(29!*+'!54:J!6.!42?C5/,!94:'(:'!65!9(2B'56C:!6@@C55'2@'!G4))!>'!



=65DC(/! E6/:! F5(77(5! -@+66)! @62:49'5:! '2345627'2*()! 7(2(B'7'2*! *6! >'! 6.! A547'! 47A65*(2@'!(29!4:!.C))/!@6774**'9!*6!.C).4))42B!())! '2345627'2*()!5':A62:4>4)4*4':!(:!G'))!(:!@62*42C6C:!47A563'7'2*!6.!'2345627'2*()!A'5.657(2@'#!8:!:C@+!=65DC(/!E6/:!F5(77(5!-@+66)!G4))!G65J!G4*+!@)4'2*:,!@62*5(@*65:,!:CAA)4'5:!(29!*+'!G65J.65@'!*6G(59:!(@+4'342B!*+4:!B6()#!!

=+'!6>?'@*43'!6.!*+4:!A6)4@/!4:!*6!(**(42!(29!7(42*(42!+4B+!:*(29(59:!6.!'2345627'2*()!A'5.657(2@'!*+56CB+6C*!=65DC(/!E6/:!F5(77(5!-@+66)#!!

8))!A' 5:62:!@629C@*42B!(@*434*4':!C29'5!*+'!2(7'!6.!=65DC(/!E6/:!F5(77(5!-@+66)!G4))!(9+'5'! *6!*+4:!12345627'2*()!H6)4@/#!!

ii

V*!4: !*+' !H6)4@/!6.!*+' !-@+66)!*6P!!

- W29' 5:*(29!(29!@67A)/!G4*+!())!)' B()!5' DC45' 7' 2*: ,!@69' :!6.!A5(@*4@' !(29!5' BC)(*462:R!!
- S5B(24: '!6A' 5(*462:!42!659' 5!*6!742474: '!A6))C*462!(29!94: *C5>(2@'!*6!2' 4B+>6C5:!(29!*+'! B' 2'5()!AC>)4@R!!
- H56349'!(::4:*(2@',!*5(4242B!(29!42.657(*462!*+(*!7(/!>'!2'@'::(5/!*6!A'5:622')!(*!())!)'3'):R!!
- W:'!7(*'54():!(29!5':6C5@':!G4*+!5'B(59!*6!)62B;*'57!:C:*(42(>4)4*/R!!
- 17A)6/!(!@62:4:*' 2*!.5(7' G65J!.65!*+' !7(2(B' 7' 2*!6.!' 2345627' 2*()!4::C' :!(@56::!())!4*:! 6A' 5(*462:R!!
- 8C94*!' 2345627' 2*()!A' 5.657 (2@' #!!
- =+'!:C@@'::.C)!7(2(B'7'2*!6.!'2345627'2*()!4::C':!G4))!>'!(@+4'3'9!>/P!!
- V9' 2*4.4@(*462!(29!7(2(B' 7' 2*!6.!' 2345627' 2*()!54: J:!(29!(:A' @*:R!!
- H5' 3' 2*462!6.!A6))C*462R!!
- T42474: (*462!6.!G(:*' R!!
- H5634:462!6.!A567A*!5':A62:'!*6!42@49'2*:!(29!'7'5B'2@4':R!!
- H5676*462!6.!' 2345627' 2*()!4::C' :!(29!B669!A5(@*4@' R!(29!!
- N' 34' G42B!(29!5' A65*42B!62!*+' !@62*' 2*!(29!47A)' 7' 2*(*462!6.!*+4:!A6)4@/#!

!

!



1*1 "\$=' ' 3!<"@!G9; , (&. , %&' (!H=, 9%!!

ļΪ

=65DC(/!E6/:!F5(77(5!-@+66)!T8=!=5C:*'':!

=EF-!Z6@()!F63' 5242B!E69/!

N':6C5@':!F63'5265:![6774**'']

&' (9*' (@+' 5!

-'2465!T(2(B'7'2*!='(7X-T=Y)

&' (9:!6.!Q' A(5*7' 2*:1

17A)6/'':!

-*C9' 2*:!^!_4:4*65:!

ij

1*7! I'\$, 3!8' A#9(&(;!J' E?!!

=+'!E6(59!6.!=5C:*'':!+(:!9')'B(*'9!(C*+654*/!(29!5':A62:4>4)4*/!*6!*+'!Z6@()!F63'5242B!E69/! %ZFEY!6.!=EF-!.65!())!7(**'5:!5')(*42B!*6!+'()*+!(29!:(.'*/!(*!=EF-#!!

=+'!ZFE!+(:!63'5())!5':A62:4>4)4*/!.65!*+'!+'()*+,!:(.'*/!(29!G').(5'!6.!())!-@+66)!'7A)6/'':,!
.65!*+'!'2345627'2*()!47A(@*!6.!-@+66)!(@*434*4':!(29!.C).4)7'2*!6.!())!)'B()!9C*4':!47A6:'9!62!
+47,!(:!*+'!17A)6/'5,!>/!5')'3(2*!)'B4:)(*462#!!

V2!5' @6B24*462!6.!*+' !)' B()!9C*4' :!47A6: ' 9!CA62!+47,!*+' !ZFE!G4))P!!

- W29'5:*(29!*+'!7(42!5'DC45'7'2*:!6.!*+'!&'()*+!(29!-(.'*/!(*!1 65J,!'*@#!8@*!\$KLM#!!
- 12:C5'!*+(*!'3'5/!(:A'@*!6.!+'()*+,!:(.'*/!(29!*+'!'2345627'2*!(29!4*:!47A)4@(*462:!4:!B43'2! 9C'!@62:49'5(*462!42!())!'<'@C*43'!9'@4:462:#!!



ļ

• 12:C5'!(9'DC(*'!5':6C5@':!(5'!(3(4)(>)'!*6!47A)'7'2*!*+'!-@+66)!&-1!H6)4@/!(29!*6!'2(>)'!)'B()!(29!765()!6>)4B(*462:!*6!>'!7'*#!!

- -'' J!(934@',!(:!(29!G+'2!(AA56A54(*',!62!&-1!4::C':#!!
- 12:C5'!*+(*!())!2'G!'7A)6/'':!5'@'43'!(9'DC(*'!429C@*462!*5(4242B!(:!:662!(:!:662!(:1:62(>)/!A5(@*4@(>)'!(.*'5!?64242B!*+''!-@+66)#!!
- 12:C5'! ())! '7A)6/'':! 5'@'43'!:C4*(>)'! 42.657 (*462,! 42:*5C@*462,! *5(4242B! (29! G+'5'! (AA56A54(*', ::CA'534:462!*6!(::C5'!*+'45!@67A'*'2@'!.65!*+'!G65J!*+'/!(5'!*6!C29'5*(J'#!!
- 12:C5'!*+(*!())!A)(2*,!'DC4A7'2*!(29!7(*'54():!(5'!:(.'!(29!:C4*(>)'!.65!*+'!G65J!.65!G+4@+!*+'/!(5'!*6!>'!C:'9#!!
- 12:C5'!*+(*!:C4*(>)'!(29!:C..4@4'2*!54:J!(::'::7'2*:!6.!-@+66)!(@*434*4':!(5'!C29'5*(J'2!*6!



 $1*7*) \ \mathsf{KF} \& \#.! \\ \mathsf{L} (\mathsf{E} \# 9! \& \# ! \mathsf{H}' (. \% \mathsf{F} \$ \& ' (! \mathsf{M} \mathsf{K} \# . \& ; (! 4 ! \mathsf{N} \, , \, (\, , \, ; \# - \# (\% ! 2 \# ; \, \mathsf{F} 3 \, , \& ' (\, . ! 1 +) \, \mathsf{P} ! !) \\ \mathsf{L} (\mathsf{E} \# 9! \& \# . \# . \# . \& ' (. \# 1 +) \, \mathsf{E} \# . \& ' (! \mathsf{M} \mathsf{K} \# . \& ; (! 4 ! \mathsf{N} \, , \, (\, , \, ; \# - \# (\% ! 2 \# ; \, \mathsf{F} 3 \, , \& ' (\, . ! 1 +) \, \mathsf{P} !) \\ \mathsf{L} (\mathsf{E} \# 9! \& \# . \# . \& ' ((\ . \# 1 +) \, \mathsf{E} \# . \& ' (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +) \, \mathsf{E} \# . \& (\ . \# 1 +)$

• -C4*(>)'! (55(2B' 7' 2*:! (5'! 7 (9'! .65! 7 (2(B42B! (! A56?' @*,! 42@)C942B! *+'! ())6@(*462! 6.! :C..4@4' 2*!*47'!(29!6*+'5!5' :6C5@' :#!855(2B' 7' 2*:!(5'!:C4*(>)'!4.P!!

*+'!@62:*5C@*462!G65J!@(2!>'!@(554' 9!6C*,!:6!.(5!(:!4:!5' (:62(>)/!A5(@*4@(>)',!G4*+6C*! 54:J:!*6!*+'!+' ()*+!65!:(.'*/!6.!(2/!A' 5:62!(..'@*' 9!>/!*+'!A56?'@*R!(29!!

- I ').(5'!.(@4)4*4':!A56349'9!.567!*+'!>'B42242B!(29!*+56CB+6C*!*+'!@62:*5C@*462!A+(:'!(5'! 42!@67A)4(2@'!G4*+!-@+'9C)'!"!6.![QT!"%\$a#!!
- 855(2B' 7' 2*:!49' 2*4.4' 9!(>63' !(5' !7 (42*(42' 9!(29!5' 34' G' 9!*+56CB+6C*!*+' !A56?' @*#!!
- I +'5'!*+'5'!4:!765'!*+(2!62'!@62*5(@*65!62!:4*'!(*!(2/!*47'!X65!4*!4:!.65':''(>)'!*+(*!*+'5'!G4))!>'Y!*+'!.6))6G42B! (5'! (AA642*'9!42!G54*42B! (:!:662!(:!4:!A5(@*4@(>)'!>'.65'!*+'!@62:*5C@*462!A+(:'!>'B42:P!!

8!H542@4A()!Q':4B2'5!G+6!@62*56):!*+'!A5';@62:*5C@*462!A+(:'!! 8!H542@4A()![62*5(@*65!G+6!@62*56):!*+'![62:*5C@*462!H+(:'!!

- N' (:62(>)'!:*'A:! (5'!*(J'2!*6!'2:C5'!*+(*!Q':4B2'5:!X42@)C942B! H542@4A()! Q':4B2'5Y,! [62*5(@*65:!X42@)C942B!H542@4A()![62*5(@*65Y,!(29!6*+'5!*'(7!7'7>'5:!*+(*!(5'!(AA642*'9!+(3'!*+'!:J4)):,!J26G)'9B',!'<A'54'2@'!(29!65B(24:(*462()!@(A(>4)4*/!*6!.C).4)!*+'45!56)'!(29!:'@C5'!+'()*+!(29!:(.'*/!6.!*+6:'!G65J42B!62!*+'!A56?'@*#!!
- N' (:62(>)'!:*'A:!(5'!*(J'2!*6!'2:C5'!*+(*!*+'!H542@4A()!Q':4B2'5!(29!H542@4A()![62*5(@*65!@67A)/!G4*+!*+'45!5':A'@*43'!9C*4':#!!
- H5';@62:*5C@*462!42.657 (*462!4:!A56349' 9!(:!:662!(:!4:!A5(@*4@(>)'!*6!' 3' 5/!9' :4B2' 5!(29! @62*5(@*65!(AA642*' 9,!65!>' 42B!@62:49' 5' 9!.65!(AA642*7' 2*,!*6!*+' !A56?' @*#!!
- 8![62:*5C@*462!H+(:'!H)(2!4:!95(G2!CA!>!*5(G2)--0.0017Tc4600(5)-264'!--0.0017Tc4601(@*')1*5!*5(@



2#.'F9\$#.!H' - - &\\##!!

```
=+'!@6774**''!G4))!7''*!(!74247C7!6.!*'57)/,!.6))6G!(!:'*!(B'29(!94:*54>C*'9!>'.65'!*+'!
7''*42B,!96@C7'2*!(29!94::'742(*'!742C*':!*6!9'A(5*7'2*!7(2(B'7'2*#!=+'!(B'29(!G4))!
42@)C9'!&'()*+!(29!-(.'*/!(:!(!:*(2942B!(B'29(!4*'7#!!
!!
=+'!.C2@*462!6.!*+'!@6774**''!42@)C9':!>C*!4:!26*!)474*'9!*6P!!
!!
```





- 12:C5'!*+(*!:C4*(>)'! (29!:C..4@4'2*!54:J! (::'::7'2*:!+(3'!>''2!C29'5*(J'2!.65!G65J! (@*434*4':!G4*+42!*+'45!(5'(!6.!5':A62:4>4)4*/#!!
- 12:C5'!*+(*!A'5:622')!C29'5!*+'45!@62*56)!(5'!(9'DC(*')/!429C@*'9,!*5(42'9,!42:*5C@*'9!(29!42.657'9#!!
- 12:C5'!*+(*!(AA56A54(*'!'DC4A7'2*!4:!(3(4)(>)'!(29!7(42*(42'9!42!(!:(.'!@6294*462#!!
- 12:C5'!*+(*!(@@49'2*:!(29!2'(5!74::':!(5'!5'@659'9!(29!423':*4B(*'9#!
- T (42*(42!())!5')' 3(2*!&-1!5' B4:*' 5:,!5' @659:!(29!96@C7' 2*(*462,!(:!5' DC45' 9!>/!@C55' 2*!)' B4:)(*462#!!
- [(55/!6C*!56C*42'!96@C7'2*'9!:(.'*/!42:A'@*462:!6.!G65J42B!(5'(:,!A)(2*!(29!'DC4A7'2*!
 *6!49'2*4./!:+65*@6742B:!42!&-1!:*(29(59:!(29!*6!424*4(*'!5'7'94()!(@*462#!!

•



- ! N(4:'!())!7(**'5:!6.!@62@'52!5')(*42B!*6!&-1!(:!*+'/!(54:'!*6!*+'!(AA56A54(*'!5':A62:4>)'! A' 5: 62#!!
- 12:



- 17A)6/'':!:+())!62)/!@(55/!6C*!G65J!.65!G+4@+!*+'/!+6)9!*+'!(AA56A54(*'!@67A'*'2@':#!!
- S@@CA(*462()!@67A' *' 2@' !G4))!>' !7 (42*(42' 9!34(!@62*42C' 9!7' 7>' 5: +4A!6.!(AA56A54(*' ! >694' :#!!
- bC5*+'5!*5(4242B!:+())!>'!B43'2P!!

b65!A' 54694@!5' .5' : +' 5!*5(4242BR!!

- I + '2!5' DC45' 9!>/!@C55' 2*!>':*!A5(@*4@' R!!
- I +'2!>'42B!'<A6:'9!*6!2'G!65!42@5'(:'9!54:J:R!!
- I +'2!*+'5'!4:!(!@+(2B'!42!G65J!7'*+69:,!*'@+26)6B/,!'DC4A7'2*!65!A5(@*4@':#!!
- 8!=5(4242B!N'@659!G4))!>'!7(42*(42'9!.65!())!'7A)6/'':#!!
- 8))!429C@*462!(29!*5(4242B!5' @659:!(29,!G+'5' !4::C' 9,!@' 5*4.4@(*':!6.!*5(4242B,!DC()4.4@(*462:!



1*) W V#9.' (, 3!V9' %#\$%A#!@XF&5-#(%!!

Q' A(5*7' 2*!&' (9:!G4))!' 2:C5' !*+(*P!!

- H' 5:62()!H56*' @*43' !1DC4A7' 2*!XHH1Y!4: !A56349' 9!(29!C: ' 9!(*!G65J!G+' 5' 3' 5!54: J: !*6!+' ()*+! (29!: (.' */!@(226*!>' !(9' DC(*')/!@62*56))' 9!42!6*+' 5!G(/:, !42!(@@659(2@' !G4*+!*+' !H' 5:62()! H56*' @*43' !1DC4A7' 2*!N' BC)(*462:!''%''#!!
- HH1!4:!A56349' 9!*6!' 7A)6/' ':!(:!5' DC45' 9!>/!@C55' 2*!)' B4:)(*462!(29!(:!49' 2*4.4' 9!>/!54: J! (::' :: 7' 2*!*6!:CAA)' 7' 2*!' <4:*42B!@62*56)!7' (:C5' :#!!!
- HH1!A56349' 9!4:!.4*!.65!AC5A6:'!(29!(AA56A54(*'!*6!*+'!54:J!4236)3' 9#!
- -C4*(>)'!.(@4)4*4':!.65!*+'!:*65(B'!6.!HH1!(5'!A56349'9!(29!C:'9#!!
- [62*5(@*65:!A56349'!(29!G'(5!HH1!*6!5'DC45'9!:*(29(59:#!!

V2.657 (*462,!42:*5C@*462! (29!*5(4242B!G4))!>'!B43' 2!*6! ())!' 7A)6/'':!62!*+'!: (.'!C:'!(29! 7 (42*' 2 (2@'!6.!HH1#!!!

 $17A)6/':!(29!@62*5(@*65:!G4)),!42!(@e659(2@'!G4*+!42:*5C@*462:!B43'2,!7(J'!.C))!C:'!6.!())!\\ HH1!A56349'9!>/!*+'!-@+66)!(29!7(42*(42!4*!42!(!:'534@'(>)'!@6294*462!(29!5'A65*!4*:!)6::!65!9'.'@*!477'94(*')/#!!$

T (2(B'5:!G4))!@+'@J!HH1!C:'!(29!'2.65@'!@67A)4(2@'#!Q4:@4A)42(5/!(@*462!7(/!>'!*(J'2!4.!'7A)6/'':!.(4)!*6!G'(5!HH1!(:!945'@*'9#!!!

1*) Y @- 53' ?- #(%!' /!Z' F(;!V#9.' (.!!

•

ļ



• T624*6542B!:/:*' 7:!G4))!>'!AC*!42!A)(@'!*6!'2:C5'!*+(*!A)(2*,!'DC4A7'2*!(29!*+'!B'2'5()!G65J42B!'2345627'2



- T (42*' 2(2@' !6.!*+' !.45' !9' *' @*462! (29! ()(57!:/:*' 7!G4))!>' !@629C@*' 9!>/! (!@67A' *' 2*,! :A' @4()4:*! (C*+654*/!C29' 5!@62*5(@*#!!
- -*65':!65!7(*'54():!:+())!26*!>'!)'.*!()62B!(@@'::!65!'B5'::!56C*':!G+'5'!*+'/!7(/!+429'5!':@(A'!42!(2!'7'5B'2@/#!!
- [62:49'5(*462!G4))!>'!B43'2!*6!2'4B+>6C5:!G+6!7(/!>'!(..'@*'9!>/!(!.45'!*6!'2:C5'!*+(*!*+'/!(5'!7(9'!(G(5'!6.!*+'!.45'!(29!'3(@C(*'!:(.')/#!!
- I +4):*!G65J42B!62!:4*':!65!@(55/42B!6C*!G65J:!G4*+42![)4' 2*]:!A5' 74:':!(:!(!@62*5(@*65,!*+'! .45'! (55(2B' 7' 2*:! 6.! *+'! [)4' 2*! (5'! *6! >'! (9+' 5' 9! *6! (29! @677C24@(*' 9! *6! -@+66)! '7A)6/'':!>/!:4*';:A' @4.4@!429C@*462!*5(4242B!A5465!*6!@677' 2@' 7' 2*!6.!(2/!G65J#!!
- I +4):*! G65J42B! 62! -@+66)! A5' 74:':,! @62*5(@*65:! (5'!*6!.(74)4(54:'!*+'7:')3':! G4*+! '7'5B' 2@/!A56@' 9C5':!(29!' 3(@C(*462!56C*':#!!

1*1W ''- ' D&(;!V' 3&\$?!!

- V2!@67A)4(2@'!G4*+!*+'!-76J';.5''!N'BC)(*462:!''%%d,!-@+66)!A5'74:':!(29!G65JA)(@':! (5'!:76J';.5''#!Q4:@4A)42(5/!(@*462!G4))!>'!'<'5@4:'9!4.!'7A)6/'':!:76J'!G+4):*!62!-@+66)! A5'74:':!65!42!-@+66)!3'+4@)':#!!
- qc6!-76J42Bh!:4B2(B'!4:!@)'(5)/!94:A)(/'9!62!-@+66)!A5'74:':#!!
 - -76J42B!4:!62)/!A'574**'9!42!*+6:'!'<*'52()!(5'(:!9':4B2(*'9!>/!7(2(B'7'2*#!Q':4B2(*'9!(5'(:!G4))!>'!(934:'9!*6!'7A)6/'':!62!429C@*462#!!
 - -76J42B!4:!:*54@*)/!A56+4>4*' 9!42!(5' (:!G+'5'!.)(77(>)'!)4DC49:!(5'!:*65' 9!65!C:' 9#!

1*1Y: 3\$' =' 3!, (E!H' (%9' 33#E!"F6.%, (\$#.!!

- Q4: @4A)42 (5/! (@*462!G4))!>'!' <' 5@4: ' 9!4.,!G+4)' !C29' 5!*+' !42.)C' 2@' !6.! ()@6+6)!65!@62*56))' 9! :C>:*(2@' :!X95CB:Y,!' 7A)6/' ' :!65!@62*5(@*65:!' 2*' 5!-@+66)!A5' 74: ' :,!G65J!:4*' :!65!9543'! -@+66)!3' +4@' :#!!
- -@+66)!' 7A)6/' ':!(29!@62*5(@*65:!:+())!26*!+(3'!()@6+6)!65!@62*56))' 9!:C>:*(2@':!42!*+' 45! A6::'::462!G+4):*!G65J42B!62!-@+66)!A5' 74:':,!G65J!:4*':!65!954342B!-@+66)!3' +4@)':#!!
- 82/! A' 5:62! J26G2! 65! :*562B)/! : C: A' @*' 9! 6.! >' 42B! C29' 5! *+' ! 42.)C' 2@' ! 6.! ()@6+6)! 65! @62*56))' 9!:C>:*(2@' :!G4))!>' !5' 763' 9!.567!-@+66)!A5' 74:' :!^!G65J!:4*' !47 7' 94(*')/#!!

1*1Y*) V9#.\$9&6#E!K9F;.!4!GA#9!%=#!H' F (%#9!N#E&\$&(#.!!

-*(..!7C:*!26*4./!*+'45!Z42'!T (2(B'5!4.IC:42B!A5':@54>'9!95CB:!65!63'5!*+'!@6C2*'5!7'94@42':!
6!'2:C5'!+(*!*+'45!G65J!4:!26*!(93'5:')/!(..'@*'9!>/!*+'!C:'!6.!:C@+!95CB:!X'#B#!:67'!
(2*4+4:*(742':!@(2!@(C:'!956G:42'::,!(!A(5*4@C)(5!54:J!G+4)'!954342B!65!C:42B!7(@+42'5/Y#!

1*1 \[\&' 3# (\\$#!\%' \T, 9E.!\@ - 53' \?##.!!

ļ

• V2@49' 2*:!6.!346)' 2@' ,!*+5' (*' 242B!(29^65!(>C:43' !>' + (346C5!>/!' 7A)6/' ':!G+4):*!(*!G65J! G4))!5' :C)*!42!94:@4A)42(5/!(@*462#!!



1*7+ &. &.' 9.!!

_4:4*65:!*6!-@+66)!A5' 74:':!(5'!*6!>'!(@@67A(24'9!(*!())!*47':!(29!5'7(42!*+'!5':A62:4>4)4*/!6.!*+'45!+6:*!9C542B!.45',!'3(@C(*462!65!6*+'5!C2C:C(),!65!C2A)(22'9,!@45@C7:*(2@':#!!

1*7) I' (#!C' 9D#9.!!

- I +'5'3'5!A5(@*4@(>)',!-@+66)!'7A)6/'':!(5'!26*!*6!G65J!()62'!42!+4B+;54:J!(@*434*4':!65!(5'(:#!!
- Z62'!G65J42B!4:!26*!A'574**'9!G+'5'!*+'5'!4:!(!5'(:62(>)/!.65':''(>)'!54:J!*+(*!*+'!G65J!7(/!5':C)*!42!(2!(@@49'2*,!346)'2@'!65!+(57#!!!
- I +'5'!4*!4:!C2(3649(>)',!*+'!)62'!G65J'5!G4))!'2:C5'!*+(*!7(2(B'7'2*!4:!(G(5'!6.!*+'45!G+'5'(>6C*:!(29!*+'!2(*C5'!6.!*+'!G65J!>'42B!C29'5*(J'2#!=+'!)62'!G65J'5!G4))!7(J'!@62*(@*!G4*+!26742(*'9!A'5:622')!(*!A5';(55(2B'9!*47':!*+56CB+6C*,!(29!62!@67A)'*462!6.,!*+'!(@*434*/#!-C@+!(55(2B'7'2*:!G4))!>'!96@C7'2*'9!42!(!:A'@4.4@!54:J!(::'::7'2*!65!-@+66)!A56@'9C5'!G+4@+!G4)!>'!@677C24@(*'9!*6!())!A'5:62:!A6*'2*4())/!4236)3'9#!!
- Z62'!G65J'5:!(5'!42@)C9'9!42!*+'!-@+66)!Z4(>4)4*/!42:C5(2@'!@63'5,!42!(@@659(2@'!G4*+!*+'! 17A)6/'5]:]!Z4(>4)4*/!X[67AC):65/!V2:C5(2@'Y!8@*!\$KdK#!!

1*71 C'9D&(;!/9' -!<' -#!!

8!54: J!(::'::7'2*!4: !@(554'9!6C*!42!@62?C2@*462!G4*+!*+'!Z42'!T(2(B'5:!.65!'(@+!+67'G65J'5!*6!49'2*4./!(2/!A6*'2*4()!54:J:#!!

&67'!34:4*:!(5'!C29'5*(J'2!(:!(29!G+'2!5'DC45'9!9'A'2942B!62!*+'!6C*@67'!6.!*+'!54:J!(::'::7'2*#!!

1*77 N' 6&3#!V=' (#.!!

- C6!@()):! (5'!*6!>'!7 (9'!65!5'@'43'9!>/!*+'!9543'5!6.! (!76342B!3'+4@)'!G+'2!954342B!62! :@+66)!>C:42'::!C2)'::!*+'!3'+4@)'!4:!.4**'9!G4*+!(!G65J42B!\+(29:!.5'']!J4*!(29!4*!4:! @62:49'5'9!*+(*!4*!4:!:(.'!*6!96!:6#!!
- [()):!9' ()*!G4*+!42!*+4:!G(/!(5'!*6!>'!:+65*!9C5(*462!@()):!62)/#!Z62B'5!9C5(*462!@()):!(5'!*6! >'!9' ()*!G4*+!>/!AC))42B!63'5!*6!*+'!:49'!6.!*+'!56(9!42*6!(!:C4*(>)'!A(5J42B!(5'(!G+'2!4*!4:!:(.'!*6!96!:6!*6!@62*42C'!*+'!@623'5:(*462#!!
- C6!@()):!(5'!*6!>'!7(9'!^!5'@'43'9!62!76>4)'!A+62':!G+4)'!6A'5(*42B!(2/!A)(2*,!7(@+42'5/!65!'DC4A7'2*!+(:!>''2!:(.')/!:*6AA'9,!:G4*@+'9!6..!65!7(9'!:(.'#!!
- T6>1/19462':!7C:*!26*!>'!C:'9!G+1):*!'7A)6/'':!@(55/!6C*!+(0(596C:!G65J!(@*434*4':#!

1*7B C, . \(\psi!\)\, \(\psi; \#-\#\)\(\left\)!

- =+'!-@+66)!+(:!(96A*'9!(2!12345627'2*()!H6)4@/!-*(*'7'2*!6.\\2*'2*,!.65!*+'!7(2(B'7'2*!6.\\2*'2345627'2*()!4::C':!*+(*!42@)C9':!G(:*'#!!!
- I (:*'! 7 (*'54():! G4))! >'! 5' 763' 9! C29' 5! @62*5(@*! >/! (!)4@' 2:' 9! 6A' 5 (*65,! (29! G+' 5'! (AA56A54(*',!42!(@659(2@'!G4*+!*+'!&(0(596C:!I (:*'!N' BC)(*462:!''%%a#!!!



- N6C*':!'<4:*!.65!*+'!)'B()!94:A6:()!6.!G(:*'!(54:42B!.567!())!7(*'54():!42!C:'!>/!*+'!-@+66),! 42!(@@659(2@'!G4*+!@C55'2*!)'B4:)(*462!(29!>':*!A5(@*4@'#!8))!G(:*'!:+())!>'!94:A6:'9!6.!34(!(2!(C*+654:'9!94:A6:()!56C*'#!!
- b)C49!(29!:6)49!G(:*'!G4))!>'!7(2(B'9!*6!'2:C5'!*+'!A56*'@*462!6.!A'5:622')!G+6!7(/!>'! '<A6:'9!*6!:C@+!7(*'54():!(29!*6!742474:'!(2/!A6*'2*4()!+(57!*6!*+'!'2345627'2*#!!
- 174::462:!.567!(45!'<*5(@*462!:/:*'7:!G4))!>'!7624*65'9!(29!*':*'9!62!(2!(22C()!>(:4:#!!
- I (:*'!7(2(B'7'2*!A56@'9C5':!G4))!>'!@677C24@(*'9!*6!())!'7A)6/'':!9C542B!429C@*462!
 *5(4242B#!!
- I (:*'!:+())!26*!>'!4))'B())/!9'A6:4*'9,!94:A6:'9!6.!65!*5'(*'9!>/!(2/!A'5:62!G+'5'!*+(*!G(:*'!+(:!>''2,!65!G4))!>',!C29'5!*+'!@62*56)!6.!*+'!-@+66)#!!
- N'@/@)42B!6.!G(:*'!G4))!>'!'2@6C5(B'9!G+'5'3'5!A6::4>)'#!!

1*7P C#3/, 9#!V9' A&.&' (!!

- =+'!-@+66)!4:!@6774**'9!*6!A5634942B!(!: (.'!(29!+'()*+/!G65J!'2345627'2*!*+(*!*(J':!42*6!(@6C2*!*+'!G').(5'!2''9:!6.!())!4*:!'7A)6/'';,!42@)C942B!*+6:'!G4*+!94:(>4)4*4':#!!
- I '). (5'!A5634:462!G4))!>'!42!(@@659(2@'!G4*+!*+'!I 65JA)(@'!X&'()*+,!-(.'*/!(29!I '). (5'Y! N'BC)(*462:!\$KK"#!!
- V2!6..4e':,!*' 7A'5(*C5'!G4))!>'!7(42*(42'9!26*!)'::!*+(2!\$di[!>C*!G+'2'3'5!A5(e*4e(>)'!G4))!>'!7(42*(42'9!42!*+'!5(2B'!\$K#Mi![!j!""#Ui![#!!1 4296G:,!:J/)4B+*:!65!B)(::!A(5*4*462:!G4))!26*!())6G!'<e'::43'!*'7A'5(*C5':!*6!>'!5'(e+'9!42!*+'!6..4e':!9C542B!+6*!G'(*+'5#!!
 - Z4B+*42B!G4))!>'!:C4*(>)'!(29!:C..4@4'2*!(29,!:6!.(5!(:!4:!5'(:62(>)/!A5(@*4@(>)'!>'!.567!2(*C5()!)4B+*!*6!'2(>)'!A'6A)'!*6!G65J,!C:'!.(@4)4*4':!(29!763'!.567!A)(@'!*6!A)(@'!:(.')/!(29!G4*+6C*!'<A'54'2@42B!'/'!:*5(42#!!

•



- 82!8:>':*6:!T(2(B' 7' 2*!-C53' /!G4))!>'!@629C@*' 9!.65!())!-@+66)!A5' 74:':!@62:*5C@*' 9! A5465!*6!"%%%!>/!(!@67A'*' 2*!:C53' /65!*6!(::'::!*+'!54:J!(29!9'*'5742'!(AA56A54(*'!@62*56):#!!!
- =+'!-@+66)!G4))!(@*!62!*+'!5'@677'29(*462:!6.!*+'!:C53'/!5'A65*!42!659'5!*6!7(2(B'!(2/!(::6@4(*'9!54:J#!!
- H5465!*6!(2/!5' .C5>4:+7' 2*!G65J!(!N' .C5>4:+7' 2*!O!Q' 76)4*462!-C53' /!G4))!>' !@629C@*' 9#! 8))!)6@(*462:!G+' 5' !(:>' :*6:!65!8[T:!(5' !49' 2*4.4' 9!(:!>' 42B!A5' :' 2*!G4))!>' !5' @659' 9!42! (2!8:>' :*6:!N' B4:*' 5#!!

-@+66)!' 7A)6/' ':!:+())!26*!B' 2'5())/!@629C@*!G65J!4236)342B!' <A6:C5'!*6!(:>':*6:!^!8[T:#!V.! (:>':*6:!^!8[T:!(5'!94:@63'5'9!65!:C:A'@*'9!*+(*!+(3'!26*!A5'346C:)/!>' '2!49'2*4.4'9!42!*+'!8:>':*6:!-C53'/!*+'2!*+'!.6))6G42B!(@*462!4:!*6!>'!*(J'2P!!

- I 65J!4:!:*6AA' 9,!*+'!(5' (!4:!:'@C5' 9! (29! 7' (:C5' :!(5'!AC*!42!A)(@'!*6!' 2:C5'!*+(*!*+'! (:>':*6:!^!8[T!5' 7 (42:!C294:*C5>' 9R!(29!!
- -@+66)!7 (2(B' 7' 2*!^!*+'![)4' 2*!(5' !*6!>' !42.657' 9!42!659' 5!*6!' 2:C5' !*+(*!(2!(::'::7' 2*! 4:!C29' 5*(J' 2!(29!(2!(@*462!A)(2!9' 3')6A' 9!>' .65' !G65J!4:!())6G' 9!*6!@62*42C' #!!

V2!@67A)4(2@'!G4*+!*+'![62*56)!6.!8:>':*6:!N'BC)(*462:!"%\$",!*5(4242B!4:!7(29(*65/!.65!(2/62'!)4(>)'!*6!>'!'<A6:'9!*6!(:>':*6:!.4>5':!(*!G65J#!8:!(!74247C7,!(!+().!9(/!Wk8=8!(AA563'9!(:>':*6:!(G(5'2'::!@6C5:'!G4))!>'!C29'5*(J'2,!:CAA)'7'2*'9!>/!(22C()!5'.5':+'5!*5(4242B#!!

82/!G65J!C29' 5*(J' 2!62!-@+66)!A5' 74:':!62!)4@' 2:' 9!(:>':*6:!A569C@*:!G4))!>'!C29' 5*(J' 2!>/! (!:A' @4()4:*!)4@' 2:' 9!@62*5(@*65#! I 65J!62!262;)4@' 2:' 9!(:>':*6:!A569C@*:!G4))!>'!C29' 5*(J' 2!>/!(!:C4*(>)/!@67A'*' 2*!@62*5(@*65#!!

7*B J3' 'E!J' 9(#!K&.#, .#.!`!0(/#\$%&' F.!K&.#, .#.!`!<#, 3%=!<, a, 9E.!!

- 17A)6/' ':!(5'!>54'.'9!42!*+'!54: J!6.!' <A6:C5'!*6,!(29!*+'!:/7A*67:!6.!>46)6B4@()!+(0(59:!:C@+!(:!*'*(2C:!(29!*+'!A5'@(C*462:!*6!*(J'#!!
- &' ()*+!7624*6542B!^!: C53' 4))(2@' !4:!C29' 5*(J' 2!(:!(29!G+' 2!49' 2*4.4' 9!(:!(AA56A54(*' !34(! 54:J!^![6-&&!(::'::7' 2*#!!
- 17A)6/'':!G+6!(5'!(*!54:J!6.!@62*5(@*42B!>)669;>652'!345C:':!^!2''9)';:*4@J!42?C54':!(5'! (934:'9!*6!+(3'!(!&'A(*4*4:!E!3(@@42(*462!(29!*6!42.657!7(2(B'7'2*!6.!*+'!9(*'!6.!3(@@42(*462#'!
- 17A)6/'':!(5'!(934:'9!*6!J''A!426@C)(*462:!(B(42:*!*'*(2C:!CA!*6!9(*'#!!

7*P J' \%#E!8,.#.!!

- F(:!>6**)':!:+())!>'!:*65' 9!42!(!9':4B2(*'9,!:'@C5'!B(:!:*65(B'!.(@4)4*/!42!*+'!6A'2!(45!G+'2!26*!42!C:'#[/)429'5:!(5'!:'@C5'9!42!A6:4*462!*6!A5'3'2*!*6AA)42B#!!
- E6**)' 9!B(:!:*65(B'!.(@4)4*4':!@67A)/!G4*+!E[F8!FC49(2@'!c6*'!Fc"P!FC49(2@'!.65!*+'! -*65(B'!6.!F(:![/)429'5:!42!*+'!I 65JA)(@',!42@)C942B!74247C7!5'@677'29'9!:'A(5(*462!94:*(2@':#!!
- [)' (5!:4B2(B'!4:!94:A)(/'9!62!B(:1:*65(B'!.(@))4*4':!49'2*4./42B!A569C@*:!:*65'9,!G(5242B!6.!(@e'::!5':*54@*462:!(29!A56+4>4*42B!:76J42B!^!2(J'9!.)(7':#!!



- -'B5'B(*462!5C)':!:+())!>'!6>:'53'9!(*!())!*47':#[/)429'5:!6.!6<49(2*!B(:':!(5'!:'A(5(*'9!.567!@/)429'5:!6.!.)(77(>)'!B(:':!>/!(!94:*(2@'!6.!(*!)'(:*!`7!65!>/!(!`%!742C*'!.45'5':4:*42B!G())#17A*/!(29!.C))!@/)429'5:!(5'!:*65'9!:'A(5(*')/#!!
- \$2)/!*+6:' !@/)429' 5:!42!C:' !65!@622' @*' 9!*6!' DC4A7' 2*!7 (/!>' !J' A*!42!G65J!(5' (:#!17A*/! @/)429' 5:! (29! @/)429' 5:! 26*! 42! C:' !:+())! >' !5' 763' 9! *6! *+' !: *65(B' ! (5' (! (:!:662! (:! A5(@*4@(>)' #!!
- 17 A*/!B(:!@/)429' 5:!(5' !@6))' @*' 9!>/!*+'!: CAA)4' 5!62!(!5' BC)(5!>(:4:!*6!A5' 3' 2*!>C4)9;CA#!!
- 82!423' 2*65/!6.!B(:!@/)429' 5:!:*65' 9!62!:4*'!X)6@(*462!(29!DC(2*4*/Y!4:!7(42*(42' 9! (29! A56349' 9!*6!' 7' 5B' 2@/!:'534e' :!42!*+'!'3' 2*!6.!(2!42@49' 2*#!!

7^*U H=#- &\$, 3.!\'!<, a, 9E' F.!"F6.\%, (\$#.!!

8))! + $(0(596C:!:C):*(2e':!^!e+'74e():!C:'9!65!B'2'5(*'9!)!+'!-e+66)!G4)!>'!:C>!'e*!*6!(!E-6-&&!(::':7'2*!*6!49'2*4./!*+'!7'(:C5':!5'DC45'9!*6!5'9Ce'!*+'!54:J!6.!+(57!6e*C5542B!*6!'7A)6/'':!(:!(!5':C)*!6.!'<A6:C5',!42!(e*659(2e'!G4*+!*+'![62*56)!6.!-C):*(2e':!&(0(596C:!*6!)e*1.5)!$



7*W H' (/&(#E!"5,\$#.!!

- 8!@62.42' 9!: A(@' !4: !9' .42' 9!(:!(!A)(@' !*+(*!4:!:C>:*(2*4())/,!*+6CB+!26*!2' @' :: (54)/!' 2*45')/,! '2@)6:' 9!(29!G+'5' !*+'5' !4:!(!.65' :' '(>)' !54: J!6.!:' 546C: !42?C5/!.567!+(0(596C:!:C>:*(2@' :! 65!@6294*462:!G4*+42!*+' !: A(@' !65!.567!2' (5>/#!!
- I +'5'!G65J!42!(!@62.42'9!:A(@'!4:!C2(3649(>)'!4*!4:!@629C@*'9!42!(@@659(2@'!G4*+!(!-(.'!-/:*'7!6.!165J!(:!5'DC45'9!C29'5!*+'![62.42'9!-A(@':!N'BC)(*462:!\$KKL#!!
- 8@*434*4':!@629C@*'9!G4*+42!*+'!@62.42'9!:A(@'!(5'!*+'!:C>?'@*!6.!(!54:J!(::'::7'2*!*6!'2:C5'!(9'DC(*'!@62*56)!7'(:C5':!(5'!42!A)(@'!*6!A56*'@*!A'5:622')!4236)3'9!65!(..'@*'9!>/!*+'!(@*434*/#||+'5'!(!:4B24.4@(2*!54:J!4:!49'2*4.4'9!(!.657()!H'574*!*6!|65J!:/:*'7!:+())!>'!42!6A'5(*462#!
- C6!A'5:62!:+())!G65J!()62'!G+'2!G65J42B!42!(!@62.42'9!:A(@'#!8))!A'5:62:!G4))!>'!*5(42'9!.65!@62.42'9!:A(@'!G65J!(29!(!*5(42'9!@67A'*'2*!\=6A7(2]!G4))!()G(/:!>'!42!(**'29(2@'!G+'2!@62.42'9!:A(@'!G65J!4:!>'42B!C29'5*(J'2#!!

7*Y K&. 53, ?!"\$9##(!@XF&5 - #(%!!

• 8))!-@+66)!G65J:*(*462:!@62:4:*42B!6.!Q4:A)(/!-@5' ' 2!1DC4A 7' 2*!XQ-1Y!G4))!>'!*+'!:C>?'@*! 6.!(2!'5B626 74@!(::'::7' 2*!*6!49' 2*4./!*+'!7' (:C5' :!5' DC45' 9!*6!5' 9C@'!*+'!54:J!6.!+(57! 6@@C5542B!*6!*+'!6A' 5(*65:^C:'5:!6.!:C@+!G65J:*(*462:,!42!(@@659 (2@'!G4*+!*+'!&' ()*+!(29! -(.'*/!XQ4:A)(/!-@5' ' 2!1DC4A 7' 2*Y!N' BC)(*462:!\$KK''#!!

•



=+'!-@+66)!5'@6B24:':!*+'!2''9!*6!'2:C5'!*+(*!())!')'@*54@()!'DC4A7'2*!:+())!>'!:(.'!(*!())!
*47':#!=+4:!G4)!>'!(@+4'3'9!>/P!!

- I +'5'3'5!A5(@*4@(>)',!@45@C4*:!G4))!>'!A56*'@*'9!>/!5':49C()!@C55'2*!9'34@':!XN[QY!G+'5'! 7 (42:!36)*(B'!4:!*6!>'!C:'9#!!
- -C..4@4' 2*!: 6@J' *!6C*)' *:!G4))!>'!A56349' 9#!=+'!C:'!6.!(9(A*65:!(29!' <*' 2:462!)' (9:!4:!*6!>'! 94:@6C5(B' 9#!-6@J' *:!(5'!26*!*6!>'!63' 5)6(9' 9#!!
- I 65JA)(@'!*



- [62*(42'5:!(5'!)6@(*'9!42!9':4B2(*'9!(5'(:!(G(/!.567!*+'!477'94(*'!G65J!A56@'::!(5'(!(29!96!26*!?'6A(594:'!*+'!7'(2:!6.!':@(A'!.567!*+'!(5'(#!!
- b)(77(>)'!)4DC49:!^!.C'):!(5'!:*65'9!:'A(5(*')/!.567!6*+'5!9(2B'56C:!:C>:*(2@':!*+(*!7(/!'2+(2@'!*+'!54:J!6.!.45'!65!@67A5674:'!*+'!42*'B54*/!6.!*+'!@62*(42'5!X'#B#!'2'5B'*4@!:C>:*(2@':,!6<4940'5:!(29!@6556:43'!7(*'54():Y#!!!
- C6!765'!*+(2!a%!)4*5':!6.!.+4B+)/!.)(77(>)'!)4DC49:!65!"a%!)4*5':!6.!.)(77(>)'!)4DC49:!G4*+! (!+4B+'5!.)(:+A642*!6.!CA!*6!aai[!G4)!>'!:*65'9!62!:@+66)!B56C29:#!!

7*) 7 8, .!0(.%, 33, %4' (.!, (E!: 55%, (\$#.>!J' 	!2' ' - .!! =+'!-@+66)!5' @6B24:':!*+'!2'' 9!*6!' 2:C5'!*+(*!())!B(:!42:*())(*462:!(29!(AA)4(2@':!:+())!>'!:(.'! (*!())!*47':#!T(2(B' 7' 2*!G4))!' 2:C5'!*+(*P!!

- F(:;.45' 9!>64)' 5:,!(AA)4(2@':!(29!(::6@4(*'9!A4A'G65J!^!.)C':!(5'!42:A'@*'9!(29!:'534@'9!>/!(!F(:-(.'!5'B4:*'5'9!'2B42''5!'3'5/!\$"!762*+:!(29!*+(*!5'@659:!(5'!J'A*!62!.4)'#!!
- \$4);.45' 9!>64)' 5:,!(AA)4(2@':!(29!(::6@4(*'9!A4A'G65J!^!.)C':!(5'!42:A'@*'9!(29!:'534@'9!42!(@@659(2@'!>/!(!@67A'*'2*!S.*'@!5'B4:*'5'9!'2B42''5!'3'5/!\$"!762*+:!(29!*+(*!5'@659:!(5'!J'A*!62!.4)'#!!
- H)(2*!^!>64)' 5!5667:!(5' !J' A*!)6@J' 9!^!: '@C5' ,!G4*+!(@@' ::!5' :*54@*' 9!*6!(C*+654: ' 9!A' 5:62:! 62)/#!!
- 89' DC(*'!:4B2(B'!4:!42!A)(@'!G(5242B!6.!(@@'::!5':*54@*462:!(29!A6*'2*4()!+(0(59:!X.45',!'<A)6:462Y#!!
- -76J42B!(29!2(J'9!.)(7':!(5'!:*54@*)/!A56+4>4*'9!42!A)(2*!^!>64)'5!5667:#!!
- &6*!:C5. (@':!^!A4A':!(5'!42:C)(*'9!*6!5'*(42!+'(*!(29!A56*'@*!(B(42:*!>C52:#!! H)(2*!^!>64)'5!5667:!(5'!7(42*(42'9!42!(!@)'(2!(29!*49/!:*(*'#!-*65(B'!6.!7(*'54():!(29!*10.447'2*!42!A)(2*!^!>64)'5!5667:!4:!26*!A'574**'9#!!
- [)' (5!(@e'::!4:!7(42*(42'9!*6!())!e74',4@e':'!!! -1(')1((5!)-1((@e')1(::!)-1(4)-1(:!)-1(7)17457093-1-1(')-1



- 8AA56A54(*' !.45' !.4B+*42B!A5634:462:!:+())!>' !(3(4)(>)' R!!
- 8))!:6C5@':!6.!.C')!:+())!>'!5' 763' 9!A5465!*6!G65J!@677' 2@42BR!!
- =+'!(5' (!6.!*+'!G65J!:+())!>'!7624*65' 9!62!@67A)' *462!6.!*+'!G65J!C2*4)!*+'!54: J!6.!.45'! +(:!>' '2!5' 763' 9R!(29!!
- C6!+6*!G65J!:+())!>'!@629C@*' 9!G4*+42!`%!742C*':!6.!*+'!'29!6.!*+'!G65J42B!9(/#!! 8))!+6*!G65J!@629C@*' 9!>/!@62*5(@*65:!:+())!>'!:C>?'@*!*6!(!-(.'!-/:*' 7!6.!I 65J!(AA563' 9!>/!



- 8))!G')942B!'DC4A7'2*!4:!@+'@J'9!(22C())/!>/!(!@67A'*'2*!42:A'@*65!(29!5'A)(@'9!'3'5/!.43'!/'(5:#!!
- I ')9'5:! G' (5! (AA56A54(*'!@)6*+42B! 4#'#! B)63':! X@+567'9!)' (*+'5,! B(C2*)'*:Y,!.)(7'!5'*(59(2*!@63'5()):!XE-!1c!ML%Y,!:(.'*/!>66*:!XE-!1c!MdLdY!(29!'/'!A56*'@*462!X1c!\$La,!1c!\$dK,!1c!`LKY#!!
- 89' DC (*'!3' 2*4) (*462!4:!*6!>'!A56349' 9!*6!5' 763'!*+'!3 (546C:!B(:':!(29!.C7':!' 74**' 9! 9C542B! G')942B! A56@'::':#! I +'5'! (9' DC (*'!3' 2*4) (*462!@(226*!>'! (@+4'3' 9! :C4*(>)'! 5':A45 (*65/!A56*'@*462!G4))!>'!A56349' 9!*6!A56*'@*!A' 5:622')!.567!*+'!+(57.C)!'..'@*:!6.! '<A6:C5'!*6!B(:!(29!.C7':#!!
- 8))!G')942B!6A'5(*462:!(5'!*6!>'!:@5''2'9!*6!A56*'@*!A'5:62:!G65J42B!2'(5>/#!=+'!C:'!6.! A65*(>)'!:@5''2:!G4))!>'!C*4)4:'9!(*!())!*47':#!!
- I ')942B!(29!>C5242B!6A'5(*462:!(5'!62)/!*6!>'!@629C@*'9!42!(5'(:!G+'5'!*+'5'!4:!26!54:J!



- 8AA56A54(*'!@62*56)!7'(:C5':!.65!4294349C()!A5'74:':!G4))!>'!49'2*4.4'9!42!)'B462'))(!54:J!(::'::7'2*:#!!
- [());6C*!(55(2B' 7' 2*:1.65!(C*67(*4e!G(*' 5!:/:*' 7:!(5' !42!A)(e' #!
- 822C()!(C94*:!6.!*+'!(55(2B' 7' 2*:!42!A)(@'!*6!@62*56)!)'B462'))(!42!G(*'5!:/:*' 7:!G4))!>'! C29'5*(J'2#!!!

7*)W



• 8!*+656CB+!' <(742(*46214:!():6!A'5.657'9!.6))6G42B!:C>:*(2*4()!(29^65!:4B24.4@(2*!@+(2B':!)24000.248.3906631.6592cBnT4600Tc4600461923.158530Tr/nTT2135151



7*1) V3, (%!C' 9D!@XF&5-#(%, (E!N, \$=&(#9?!!

- I +'5'!(AA56A54(*',!(!I 65J!1DC4A7'2*!O!T(@+42'5/!8::'::7'2*!G4))!>'!@629C@*'9!.65! A)(2*!(29!G65J!'DC4A7'2*#!!
- -@+66)



- -C..4@4' 2*!@)' (5!(29!C26>:*5C@*' 9!G65J42B!:A(@' !G4))!>' !A56349' 9!(56C29!*+' !7 (@+42' :!*6! ())6G!A' 5:62:!*6!G65J!G4*+6C*!*+' !54: J!6.!42?C5/#!!
- 89' DC(*'!)4B+*42B! (29! 3' 2*4)(*462! G4))! >'! A56349' 9! *6! ())6G! A' 5:622')! *6! 6A' 5(*'! 7 (@+42' 5/!: (.')/#!!
- Z6@()!1<+(C:*!_'2*4)(*462!(29!9C:*!'<*5(@*462!'DC4A7'2*!7C:*!>'!@+'@J'9!5C2242B!A5465!
 6!+'!C:'!6.!'DC4A7'2*#!!

7*1)*1 < (E!`!"-,33!Q''3.!!

- 8))!+ (29!^!: 7 ())!*66):!(5' !6.!(!: C4*(>)' !DC ()4*/!(29!(5' !C: ' 9!62)/!.65!*+' 45!42*' 29' 9!AC5A6: '! (29!42!*+' !@655' @*! 7 (22' 5#!!!
- 8))!+(29!^!: 7())!*66):!(5'!J'A*!@)'(2,!G'))!7(42*(42'9!(29!(5'!:*65'9!42!(!:(.'!7(22'5!(29!@6294*462!:6!(:!26*!*6!@(C:'!(2!6>:*5C@*462!65!9(2B'5!*6!6*+'5:!G+'2!26*!42!C:'#!!!
- 17A)6/'':!(5'!(9'DC(*')/!*5(42'9!42!*+'!C:'!6.!+(29!^!:7())!*66):#!!

7*11 "3&5.>!Q9&5.!, (E!], 33.!!

- =5(4)42B!)' (9:!(29!+6:':!(5'!)(49!*6!742474:'!*+'!54:J!6.!*54A:#![(>)'!A56*'@*462!4:!.4**'9!G+'2!A6::4>)'!*6!5'9C@'!*+'!54:J!6.!*54AA42B#!!
- b)665!@63' 542B:!G4))!>'!:6C29!(29!42!B669!:*(*'!6.!5'A(45#!8))!:A4))(B':!G4))!>'!@)'(5'9!(G(/!477'94(*')/#!!
- 8))!@6554965:,!(@@'::':,!'B5'::':!(29!:*(45G')):!G4))!>'!(9'DC(*')/!)4*!(29!J'A*!@)'(5!6.!6>:*(@)':!(29!5C>>4:+#!!
- S..4e':!(29!G65J42B!(5'(:!G4))!>'!J'A*!*49/!(*!())!*47':!(29!())!5C>>4:+!G4))!>'!5'763'9!(*!**+'!'29!6.!'(@+!9(/#!!

7*17



7*1P _&69, %\' (!!

&(29!857!_4>5(*462!(29!1 +6)' !E69/!_4>5(*462!@(2!6@@C5!.567!5' BC)(5!(29!.5' DC' 2*!C: ' !6.P!!

- &(29!+')9!A6G'5!*66):!!
- &(29!BC49' 9!A6G' 5!' DC4A7' 2*!!

H6G'5'9!7(@+42':!G+4@+!A56@'::!+(29!+')9!7(*'54():!!

V2!(@@659(2@'!G4*+!*+'![62*56)!6.!_4>5(*462!(*!I 65J!N'BC)(*462:!"%%a!7(2(B'7'2*!G4))P!!

- [629C@*!(::'::7'2*:!*6!9'*'5742'!*+'!54:J:!.567!34>5(*462!*6!'7A)6/'':R!!
- Q'@49'!4.!' 7A)6/'':!(5'!)4J')/!*6!>'!'<A6:'9!(>63'!*+'!9(4)/!'<A6:C5'!(@*462!3()C'!X18_Y!

ı



83649!G65J!(*!+'4B+*!G+'5'!*+'/!@(2R!!

W:' ! G65J!' DC4A7' 2*! 65! 6*+' 5! 7' (:C5' :!*6! A5' 3' 2*! .()):! G+' 5' !*+' /!@(226*! (3649! G65J42B!(*!+' 4B+*R!! G65J42B!(

I +'5'!*+'/!@(226*!')4742(*'!*+'!54:J!6.!(!.()),!C:'!G65J!'DC4A7'2*!65!6*+'5!7'(:C5':!*6!742474:'!*+'!94:*(2@':!(29!@62:'DC'2@':!6.!(!.())!:+6C)9!62'!6@@C5#!!!

• =+'!-@+66)!G4))!'2:C5'P!!

8))!G65J!4:!A56A'5)/!A)(22'9!(29!65B(24:'9R!