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

! " #. / 001(234(" 567 89: ; <(! =7:<:8 ; >?(@897A8>(! =7:<:8 ; >!
"#!$%&! ' ( )*+%(,! - (./0/12!/&!3!+2/4(%&3.!5$(21 6 (212!*$3*!
43%/ (&!/2! 6 (32/20!7%1 6 !) +.*+%(!*1!) +.*+%(8!9$/&!) 1+%&(!
(: 3 6 /2 (&!*$(! ; 3<&!%(./0/12!/&!+2=(%&*11=!/2!=/77(%(2*!
)+.*+%(&>!/2*%1=+)/20!?3&/)!) 12) (5*&!+&(=!/2!*$(!3) 3=(6 /)!
&*+=<!17!%(./0/12!"(8O8>!&3)%(=!32=!5%17 32(>! 6 <*$!32=!
$/&*1%<>!&< 6 ?1.!32=!%/*+3.>! (*)8,!*$%1+0$!3!&+%4(<!17!*$(!
6 3¦1%! ; 1%.=!%(./0/1+&!*%3=/*/12&!"(8O8>!A+=3/& 6 >!B$%/&*/32/*<>!
C&.3 6 >!D/2=+/& 6 >!E+==$/& 6 >!B127+)/32/& 6 >!931/& 6 >!32=!*$(!
%(./0/12&!17!/2=/0(21+&!5(15.(&!17!F1%*$!32=!G1+*$!
H 6 (%/) 3,8!9$(!*(3)$/20&!17!/2=/4/=+3.!*%3=/*/12&>!$1 ; !*$(&(!
(3)$/20&!=(4(.15(=!14(%!/ 6 (>!32=!=/77(%(2)(&!/2!
/2*(%5%(*3*/12! ; /..!?(!(: 3 6 /2(=!303/2&*!*$(!?3) I 0%1+2=!17!
$(!)+.+%(!*$3*!5%1=+)(=!*$(6 8

! " #. / 003(2C4(" 567 89: ; <(! =7:<:8 ; ?(D E=(F:G7=!"#!$%&!
' ( )*+%(,!9$(! 6 (32/20!17!*$(!E/?.(!/&!&(.=1 6 !&(.7J(4/=(2*8!C*!
$3&!?((2!/2*(%5%(*(=!/2!=/77(%(2*!32=!&1 6 (*/ 6 (&!
)12*%3=/)*1%<! ; 3<&!?<!43%/1+&!?3/*$!) 1 6 6 +2/*/(&>! ; /*$/2!
?1*$!A+=3/& 6 !32=!B$%/&*/32/*<>! ; $1!.11 I !*1!*$(!E/?.(!3&!32!
3+*$1%/*3*/4(!%(./0/1+&!0+/=(8!9$(!)1+%&(!&(((I &!*1!(: 5.3/2!
; $<!*$(!E/?.(!$3&!?((2!/2*(%5%(*(=!=/77(%(2*.<!?<!43%/1+&!
%(./0/1+&!0%1+5&!./4/20!/2!=/77(%(2*!*/ 6 (&!32=!5.3)(&8!C*!=1(&!
&1!?<!/2*%1=+)/20!&*+=(2*&!*1! 6 1=(%2!?/?./)3.!&)$1.3%&$/5>!
; $/)$!&((&!*$(!E/?.(!303/2&*!*$(!?3) I 0%1+2=!17!*$(!
$/&*1%/)3.>!51./*/)3.>!)+.*+%3.!32=!/2*(..()*+3.!)12*(:*&!/2!
; $/)$!*$(!?/?./)3.!*(:*&!; (%(!; %/**(2!32=!/2*(%5%(*(=8
! =>D9:H D:8 ; >?!G*+=(2*&! 6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=! - K ' JLMLN8

! " #.100 / (2C4(" 7= I = ; DJ9K(F:G7:HJ7(L=G9=M!"O!$%&!
' ( )*+%(,!9$/&!) 1+%&(! ; /..!/2*%1=+)(!&*+=(2*&!*1!*$(!
7+2=3 6 (2*3.&!17!?/?./)3.!D(?%(; !O%3 6 6 3%!32=!41)3?+.3%<8!
G(.()*(=!5%1&(!*(:*&!/2!*$(!D(?%(; !E/?.(!; /..!?(!%(3=!32=!
%32&.3(=8

! " #.10 / / (234($; D98ANHD:8 ; (D8(O8A=9 ; (PDJ ; AJ9A( ) 9JG:H(
$!"#!$%&! ' ( )*+%(!P!M!$%&! ' 3?,!9$/&!) 1+%&(!/&!=(&/02(=!*1!
/2*%1=+)(!Q1=(%2!G*32=3%=!H%3?/)!*1!&*+=(2*&! ; $1!$34(!
./**.(!1%!21!5%/1%!I 21 ; .(=0(!17!*(!.320+30(8!G*+=(2*&!.(3%2!
$(!H%3?/)!3.5$3?(!32=! 6 3&*(%!?3&/)!) 12) (5*&!17!) 3&(!
32=!30%((6(2*8!R1)3?+.3%<!32=!3==/*/123.!0%3 6 6 3*/)3.!
)12) (5*&!3%(!=/&)+&&(=!32=!/2*(0%3*(=!/2*1!).3&&%11 6 !
(:(%)/&(&!32=!$1 6 (;1%I!3&&/02 6 (2*&8!-(&*%/)*/12$!H%3?/)!
&5(3I(%&!32=!5(%&12&!; /*$! 6 1%(!*$32!*$(! 6 1&*!%+=/ 6 (2*3%<!5%/1%!I 21 ; .(=0(!17!H%3?/)!3%(!21*!(./0/?.(!*1!
3I(!$/&!)1+%&(8
! =>D9:H D:8 ; >?!C2&*%+)*1%!T(% 6 /&&/12!-(U+/%(=8!G*+=(2*&!**
6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!32=! - K ' JLVMV8
! =QN:>:D=(+8N9>=>?! - K ' JLVMM ' !".3?,!" 6 +&*!?(!*3I(2!
)12)+%%(2*.<,8

! " #.10 / 1(234($; D98ANHD:8 ; (D8(O8A=9 ; (PDJ ; AJ9A( ) 9JG:H(
$$!"#!$%&! ' ( )*+%(!P!M!$%&! ' 3?,!9$/&!) 1+%&(!/&!=(&/02(=!*1!
7+%*$(%!=(4(.15!/2*%1=+)*1%<!Q1=(%2!G*32=3%=!H%3?/)!&!/..&!
71%!&*+=(2*&! ; $1!$34(!*3I(2! - K ' JLVMM!Q1=(%2!G*32=3%=!
H%3?/)!Q8!G*+=(2*&! 6 3&*(%!?3&/)!) 12) (5*&!17!) 3&(!32=!
30%((6 (2>!.(3%2!$1 ; !*1!71% 6 !/=J73$!) 12&%+)*/12&>!32=!
71% 6 !&/ 6 5.(!21 6 /23.!32=!4(%?3.!&(2*(2)(&8!R1)3?+.3%<!32=!
3==/*/123.!0%3 6 6 3*/)3.!) 12) (5*&!3%(!=/&)+&&(=!32=!
/2*(0%3*(=!/2*1!).3&&%11 6 !(:(%)/&(&!32=!$1 6 (;1%I!

3&&/02 6 (2*&8! - (&*%/)*/12$!H%3?/)!&5(3I(%&!32=!5(%&12&!
; /*$! 6 1%(!*$32!*$(! 6 1&*!%+=/ 6 (2*3%<!5%/1%!I 21 ; .(=0(!17!
H%3?/)!3%(!21*!(./0/?.(!*1!*3I(!*$/&!)1+%&(8
! =>D9:H D:8 ; >?!C2&*%+)*1%!T(% 6 /&&/12!-(U+/%(=8**
! =QN:>:D=(+8N9>=>?! - K ' JLVMM!%5%(U+/&/*("&,¥Y!**
- K ' JLVML ' !" ' 3?,!" 6 +&*!?(!*3I(2!)12)+%%(2*.<,8

! " #.1 / 1 / (234(" J97K(RNAJ:> I ?(S98 I (S89 I JD:T=(D8(
' 89 I JD:T=!"#!$%&! ' ( )*+%(,!9$/&!) 1+%&(!&+%4(<&!*$(!
$/&*1%/)3.!(4(2*&>!=1)+ 6 (2*&>! 6 1=(&!17!/2*(%5%(*3*/12>! 6 3¦1%!
7/0+%(&!32=!=/4(%&(!)1 6 6+2/*/(&!32=!?(./(7&!32=!5%3)*/)(&!
$3!5%()(=(=!32=!/2?1%6(=!*$(!(6(%0(2)(!17!%3??/2/)!
A+=3/& 6 8!9$(!)1+%&(!+253)I&!*$(!/27.+(2)(!17! 6 1 6 (2*1+&!
(4(2*&!+)$!3&!Z%((I!32=!-1 6 32!)12U+(&*&!/2!*$(!Q/==.(!
K3&*>!*$(!23&)(2*!A(&+&! 6 14((6(2*>!32=!*$(!=(&%+)*/12!17!
$(!A(%+&3.((6!5.(!/2!)[V!B8K88!C!(:5.1%(&!$1 ; !
=1)+ 6 (2*&!&+)$!3&!*$(!\(3=!G(3!&)%1..&>!*$(!H51)%<5$3!
32=!*$(!T&(+=(5/0%35$3!32=!3+*$1%&!&+)$!3&!T$/.1!17!
H.(:32=%/3!32=!A1&(5$+&!5%14/=(!/2&/0$*!/2*1!*$(!71% 6 3*/4(!
5(%/1=!17!K3%.<!A+=3/& 6 8!C*!/2*%1=+)(&!&*+=(2*&!*1!*$(!6 3¦1%!
0(2%(&!1 7!(3%.<!?/?./)3.!/2*(%5%(*3*/12>!&+)$!3&!*<51.10<>!
3..(01%<>!32=!6/=%3&$!32=!1%3.!91%3$8
+98>>.7:>D=A?!B ' HGJL[VO
! =>D9:H D:8 ; >?!G*+=(2*&! 6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!**
32=!B ' HGJL[VO8

! " #.1 / 1U(234(O8A=9 ; (F:G7:HJ7($; D=9 6 9=DJD:8 ; !"#!$%&!
' ( )*+%(,!9$%1+0$!*$(!(:36/23*/12!17!&5()/7/)>!&(.()*(=!
(:&!*$/&!)1+%&(!/2*%1=+)(&!&*+=(2*&!*1!*$(!?3&/)&!17!$1 ; !
&()+.3%!?/?./)3.!&)$1.3%&!355%13)$!32=!323.<](!?/?./)3.!
(:&8
! =>D9:H D:8 ; >?!G*+=(2*&! 6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!**
32=! - K ' JMVV#8

! " #.1 / 1V(234(OJ‖89(F:G7:HJ7(- E= I =>!"#!$%&! ' ( )*+%(,!
9$/&!) 1+%&(! ; /..!(: 3 6 /2(!?/?./)3.!*(:*&!12!43%/1+&!*$(6(&!
&+)$!3&!)%(3*/12>!&3.43*/12>!.3 ; !32=!)14(232>!5%/(&*$11=!
32=!I/20&$/5>!=(3*$!32=!$+ 6 32!=(&*/2<8
! =>D9:H D:8 ; >?!G*+=(2*&! 6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!**
32=! - K ' J#MNN8

! " #.1 / 3 / (234( ) 68HJ7K6D:H(#:D=9JDN9=!"#!$%&! ' ( )*+%(,!
9$/&!) 1+%&(! ; /..!?(0/2! ; /*$!3!0(2(%3.!/2*%1=+)*/12!*1!
351)3.<5&(!3&!3!+2/U+(!./*(%3%<!0(2%(!32=! ; /..!(:36/2(!
&16(!17!*(!5%1?.(6&!17!%(3=/20!32=!/2*(%5%(*/20!
351)3.<5*/)! ; %/*/20&!/2!*$(!./0$*!17!*$(/%!32)/(2*!)12*(:*&!
9$/&! ; /..!?(!71..1 ; (=!?<!32!323.<&/&!17!&(.()*(=!?/?./)3.!32=!
(:*%3J?/?./)3.!351)3.<5*/)!*(:*&8
! =>D9:H D:8 ; >?!G*+=(2*&! 6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!**
32=! - K ' JLVMV^#8

! " #.11 / / (234(PDNA:=>(: ; (DE=(PK ; 86D:H(%8>6=7>!"#!$%&!
' ( )*+%(,!9$/&!) 1+%&(!&((I&!*1!+2=(%&*32=!*$(!1%/0/2!17!*$(!
*$%((!G<215*/)!Z1&5(.&!17!*$(!F(; !9(&*3 6 (2*!J!Q3**$(; >!
Q3%I>!32=!' +I(!J!32=!*$(!%(.3*/12&$/5!3 6 120!*$(6 8!9$(!
&*+=<!3.&1!/241.4(&!3!).1&(!(:36/23*/12!17!*$(!=/&*/2)*/4(!
)$3%)*(%!17!*$(&(!Z1&5(.&!3)1%=/20!*1!*$(/%!.*(%3%<!32=!
*(1.10/)3.!5%(&(2*3*/12&!17!A(&+&8
! =>D9:H D:8 ; >?!G*+=(2*&! 6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!**
32=! - K ' JLLMM^_8

! "#.1X0U(234(! =7:<:8 ; (J ; A(+N7DN9=?(DE=(ON7D:\J:DE(
P8H:=DK!"#!$%&! ' ( )*+%(,!9$(!71)+&!17!*$/&!)1+%&(! ; /..!?(!12!
$(! ; 3<&!B323=/32!/2&*/*+*/12&!?1*$!%(7.( )!32=!$34(!
%(&512=(=!*1!%(./0/1+&!5.+%3./& 6 8! d $/.(!`%(2)$!32=!E%/*/&$!
B$%/&*/32&!=1 6/23*(=!*$/&!)1+2*%<!71%!$+2=%(=&!17!<(3%&>!
)12*(6 51%3%<!B323=3!/&!)$3%3)*(%/] (=!?<!/2)%(3&/20!

! " # .1V03(234(! =7:<:8 ; >(8\($; A:J!"#!$%&! ' ( )*+%(,!9$/&!
)1+%&(!(: 5.1%(&!*$(!=/4(%&/*<!17!%(./0/1+&!(:5%(&&/12!/2!
C2=/3!303/2&*!*$(!?3)I0%1+2=!17!C2=/32!)+.*+%(8!9$(!71)+&!
;/..!?(!12!*$(!1%/0/2&!32=!$/&*1%/)3.!=(4(.156(2*!17!C2=/32!
/=(3&!32=!5%3)*/)(&8!9$(&(!3%(!%(5%(&(2*(=!/2!*$(!=16/232*!
%3=//12!17!D/2=+/&6>!3&!;(..!3&!1*$(%!/651%*32*!*%3=/*/12&!
1%/0/23*/20!/2!C2=/3!"E+==$/&6>!A3/2/&6>!32=!G/I$/&6,>!
!("&.9$BKD]&2,0!)12*/2+/*/(&>!53**(%2&>!32=!=/&*/2)*!
=(4(.156(2*&8

! " # .1V0X(234(FNAAE:>D(-9JA:D:8 ; >(: ; ($; A:J(J ; A(
P8NDE=J>D( ) >:J!"#!$%&! ' ( )*+%(,!9$(!)1+%&(!(: 36/2(&!
E+==$/&*!?(./(7&!32=!5%3)*/)(&>!71)+&/20!12!*$(!./7(!32=!
*(3)$/20&!17!Z3+*3 6 3>!*$(!$/&*1%/)3.!71+2=(%>!*$(!
/2*(%5%(*3*/12!17!$/&!6(&&30(!/2!*$(!9$(%343=3!*%3=/*/12>!
32=!*$(!=(4(.156(2*!17!Q3$3<323!*%3=/*/12!/2C2=/38!G5()/3.!
3**(2*/12!/&!0/4(2!*1!(:36/2/20!*$(!&)%/5*+%3.!./*(%3*+%(!+512!
;$/)$!*$(&(!*%3=/*/12&!3%(!?3&(=!32=!*$(!&5%(3=!17!
9$(%343=3!*%3=/*/12&!*1!G%/!'32I3!32=!G1+*$(3&*!H&/38

! " # .1V0V(234(+E: ; =>=(! =7:<:8 ; >!"#!$%&! ' ( )*+%(,!9$/&!
)1+%&(!/&!3!&*+=<!17!*$(!?3&/)!?(./(7&!32=!5%3)*/)(&!17!*$(!
B$/2(&(!3&!/271%6(=!?<!*$(!*$%((!63‡1%!B$/2(&(!*%3=/*/12&$!
B127+)/32>!931/&*!" \ 31/&*,>!32=!E+==$/&*8!9$(!)1+%&(!;/..!
(:36/2(!*$(!=(4(.156(2*!17!(3)$!17!*$(&(!*%3=/*/12&>!3&!
;(..!3&!*$(/%!?.(2=/20!/2*1!3!)165%($(2&/4(!&(*!17!?(./(7&!
32=!5%3)*/)(&!*$3*!&$35(=!*$(!)16612!+2=(%&*32=/20!32=!
5%3)*/)(!17!B$/2(&(!%(./0/128!9$(!(77()*!17!B166+2/&612!
B$/2(&(!%(./0/1+&!./7(!32=!*$(!%(&+%0(2)(!17!%(./0/12!/2!
B12*(651%3%<!B$/23!;/..!3.&1!?(!(:36/2(=8
+98>>.7:>D=A?!KH'BJL[V["#,8
!=>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH'BJL[V[8

! " # .1V0](234(! =7:<:8 ; (: ; (RJ6J ; =>=(#:\=!"#!$%&! ' ( )*+%(,!
9$/&!)1+%&(!(:36/2(&!*$(!%(./0/1+&!./7(!17!*$(!A3532(&(!
5(15.(>!3&!/271%6(=!?<!*%3=/*/12&!=(%/4/20!7%16!*$(!23*/4(!
G$/2*1!%(./0/12!17!A3532>!*$(!3=35*(=!*%3=/*/12&!17!E+==$/&6!
32=!B127+)/32/&6>!32=!*$(!/653)*!17!d(&*(%2/]3*/12!32=!
61=(%2/]3*/12!12!*%3=/*/123.!?(./(7&!32=!5%3)*/)(&8
+98>>.7:>D=A?!KH'BJL[Vf"#,8
!=>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH'BJL[Vf8

! " # .1V0^(234(@8 I = ; (: ; ( ) >:J ; (! =7:<:8 ; >(_(+N7DN9=>!"#!
$%&!' ( )*+%(,!9$(!)1+%&(!(:36/2(&!*$(!(:5(%/(2)(!17!
;16(2!/2!&(4(%3.!H&/32!)+.*+%(&!"(8O8>!C2=/3>!B$/23>!A3532,>!
/2!=/77(%(2*!%(./0/1+&!*%3=/*/12&!"(8O8>!D/2=+/&6>!E+==$/&6>!
B127+)/32/&6>!\31/&6,8!9$(!)1+%&(!/&!/2*(2=(=!3&!
)165%($(2&/4(!/2*%1=+)*/12!*1!;16(2&!(:5(%/(2)(!/2!?1*$!
5%(J61=(%2!32=!61=(%2!)12*(:*&>!;/*$!3**(2*/12!*1!$1;16(2&!
;16(2!3%(!5(%)(/4(=!32=!5(%)(/4(!*$(6&(.4(&!/2!%(./0/1+&!
32=!)+.*+%3.!%1.(&8
+98>>.7:>D=A?!KH'BJL[Vb"#,8
!=>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH'BJL[Vb8

! " # .1V/0(234(+7J>>:HJ7($>7J I !"#!$%&!' ( )*+%(,!9$/&!)1+%&(!
7 1)+&(&!12!*$(!%(./0/1+&!*%3=/*/12!17!C&.36!7%16!/*&!/2)(5*/12!
$%1+0$!$(!6(=/(43.!5(%/1=8!9$(!6(&&30(!32=!*$(!&*<.(!17!
*$(!k+%32!3%(!(:36/2(=>!32=!Q+$3 6 6 3=&!./7(!32=!
(:5(%/(2)(!3&!3!5%15$(*!3%(!*%3)(=8!9$(!7+2=36(2*3.!
?(./(7&!32=!63‡1%!5%3)*/)(&!17!C&.36!3%()%/*/)3..<!(:5.1%(=8!
9$(!)1+%&(!3.&1!(:36/2(&!*$(!(6(%0(2)(!17!%(./0/1+&>!
51./*/)3.!32=!.(03.!/2&*/*+*/12&!/2!*$(!(6(3%.<!)(2*+%/(&!17!C&.36 8!
C2!3==/*/12>!3**(2*/12!/&!0/4(2!*1!*$(6.10/)3.>!5$/.1&15$/)3.!
32=!6<&*/)3.!/2*(%5%(*(%&!17!C&.36/)!(*$1&>!;/*$!53%*/)+.3%!
%(7(%(2)(!*1!&5()/7/)!&)$1.3%.<!/2*(%5%(*3*/12&!7%16!
=/77(%(2*!%(0/12&!17!*$(!C&.36/)!;1%.=8

! " # .1V//(234(+8 ; D= I 689J9K($>7J I !"#!$%&!' ( )*+%(,!9$/&!
)1+%&(!(:5.1%(&!C&.36!3&!3!7!3/*$!32=!;3<!17!./7(!/2!*$(!
61=(%2!)12*(:*8!K:36 5.(&!17!Q+&./6!355%13)$(&!*1!
61=(%2/*<!/2!0(2(%3.!3%(!(:36/2(=>!32=!61=(%2!
/2*(%5%(*3*/12&!17!&(.()*(=!k+‰32/)!*$(6(&!3%(!&*+=/(=8!

/2%1=+)(&!*$(!63%1%!?(./(7&!32=!5%3)*/)(&!3&&1)/3*(=!;/*$!

*$(1.10/)3.>!32=!61%3.!)12)(%2&&
+98>>.7:>D=A?

)12&/=(%(=›!3..!)12&/=(%(=!*$%1+0$!)12*(651%3%<!)3&(!
&*+=/(&8
+98>>.7:>D=A?! - K ' JO[V#
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=! - K ' JO[V#8

! "#.3V0](234(-86:H>(:;(FNAAE:>D(+N7DN9=(J;A(P8H:=DK!
"#!$%&!G(6/23%i\/&)+&&/12,!9$/&!)1+%&(!(:5.1%(&!*15/)&!17!
)12*(651%3%<!/2*(%(&*!%(03%=/20!*$(!&*+=<!17!E+==$/&6!32=!
&1)/(*<›!(:36/2/20!63%1%!/&&+(&!73)/20!E+==$/&6!/2!*$(!
H&/32!)12*(:›!71)+&/20!12!3&5()*&!17!*$(!/2&*/*+*/123.›!
&1)/3.›!32=!51./*/)3.!%1.(!5.3<(=!?<!E+==$/&68!Q3<!?(!*3I(2!
71%!)%(=/*!61%(!*$32!12)(›!;/*$!5(%6/&&/12!17!/2&*%+)*1%8!
915/)&!63<!/2).+=(S!E+==$/&6!32=!9/?(*32!/=(2*/*<!/2!*$(!
&*%+00.(!71%!9/?(*32!3+*121 6<!/2!B$/23›!*$(!E+==$/&*!
6123&*/)!/2&*/*+*/12!32=!/*&!%1.(!/2!&1)/(*<›!32=!=(?3*(&!14(%!
$(!/2*(%5%(*3*/12!17!E+==$/&6!/2!6 1=(%2!H&/32!)1+2%/(&8
+98>>.7:>D=A?! - K ' JO[Vf"#,!32=!KH ' BJ#[Vf"#,iO[Vf"#,8
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH ' BJ#[Vf!P!KH ' BJO[Vf!P! - K ' JO[Vf8
! =QN:>:D=(+8N9>=>?!_!)%(=/*!$1+%&!17!KH ' B!)1+%&(!;1%I!
1%!5(%6/&&/12!17!*$(!/2&*%+)*1%!W5%(%(U+/&/*("&,X8

! "#.3V/3(234(%=;A=9(J;A(P=5NJ7:DK(:;(+E:;=>=(
+N7DN9=!"#!$%&!'()*+%(,!9$/&!)1+%&(!71)+&(&!12!B$/2(&(!
&1)/(*<›!)+.*+%(!32=!)12)(5*/12&!17!/=(2*/*<!*$%1+0$!*$(!
5%/&6&!17!0(2=(%!32=!&(:+3./*<8!915/)&!/2).+=(!21%63*/4(!
&1)/3.!%1.(&!3&!=(7/2(=!?<!B127+)/32!43.+(&>!51;(%!32=!
&(:+3.!=<236/)&!;/*$/2!51.<0361+&!$1+&($1.=&›!*$(!&1)/3.!
?1=<!4&8!*$(!?/1.10/)3.!?1=<!32=!*$(!=/4(%&/*<!17!3*<5/)3.!
?1=/(&!/2!*%3=/*/123.!B$/238!`+%*$(%!;(!;/..!&((!$1;!0(2=(%!
/2(U+3./*<!;3&!355%15%/3*(=!*1!%(7.()*!B$/23&&!
?3)I;3%=2(&&!4/&!n!4/&!*$(!d(&*!32=!A3532!/2!*$(!61=(%2!
5(%/1=›!32=!$1;!)12*(651%3%<!)+.*+%(!32=!&1)/(*<!$3&!
&1+0$*!*1!7%((!0(2=(%!(:5%(&&/12!7%16!*$(!)127/2(&!17!
23*/123.!=/&)1+%&(8
+98>>.7:>D=A?!KH ' BJO[M#"#,›! - K ' J#[M#"#,›! - K ' JO[M#"#,
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH ' BJ#[Vb!P!KH ' BJ#[M#!P!KH ' BJO[Vb!P!KH ' BJO[M#!P!
- K ' JO[M#8

! "#.3V/^(234(PN\:>I?($>7JI:H(P6:9:DNJ7:DK(J;A(
[E:78>86EK!"#!$%&!G(6/23%i\/&)+&&/12,!G+7/&6!/&!C&.36&&!
%/)$!*%3=/*/12!17!&5/%/*+3./*<!32=!6<&*/)/&6&!C*!%(63/2&!12(!17!
$(!61&!/27.+(2*/3.!32=!515+.3%!(:5%(&&/12&!17!C&.36&!
D/&*1%/)3..<>!G+7/&!$34(!?((2!)(.(?%3*(=!71%!*$(/%!51(*%<>!
6+&/)!32=!5$/.1&15$<8!9$/&!)1+%&(!;/..!(:5.1%(!G+7/&6&!
1%/0/2&›!=(4(.156(2*›!I(<!%1.(!/2!).3&&/)3.!C&.36/)!
)/4/./]3*/12›!32=!43%/(=!632/7(&*3*/12&!/2!*$(!)12*(651%3%<!
5(%/1=8
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=! - K ' JO[Mb8

! "#.3V10(234(-86:H>(:;(RJ6J;=>=(+N7DN9=(J;A(P8H:=DK!
"#!$%&!G(6/23%i\/&)+&&/12,!9$/&!)1+%&(!(:5.1%(&!*$(!
=(4(.156(2*!17!/2*(..()*+3.!)+.*+%(!/2!91I+03;3!A3532!
"M_VVJMfNf,8!d(!(:36/2(!*$(!&.3+0$*(%!17!A3532(&(!
B$%/&*/32&!32=!B127+)/32/&6&!&+?&(U+(2*!%/&(!3&!3!&*3*(!
/=(1.10<!71%!*$(!G$10+23*(8!d(!&*+=<!$1;!32!/2)%(3&/20!
2+6?(%!17!&)$1.3%&!%(&512=(=!*1!B$/2(&(!.(3%/2/20!?<!
*+%2/20!*1;3%=!F(1JB127+)/32/&6›!A3532(&(!23*/4/&6›!32=!
d(&*(%2!.(3%2/20›!3&!3.*(%23*/4(&!*1!B.3&&/)3.!B127+)/32!
(=+)3*/128!H.120!;/*$!*$(!=/4(%&/*<!17!*$1+0$*›!;(!(:5.1%(!

$1;!515+.3%!)+.*+%(!63*(%/3./](=!/2!71%6&!17!5%/2*!./*(%3*+%(!
32=!*$(3*%/)3.!(2*(%*3/26(2*8!`/23..<›!;(!71)+&!12!*$(!
)+.*+%(!17!=/&&(2*!*$3*!(6(%0(=!3&!*$(!G$10+2&&!%(/02!)36(!
*1!32!(2=8
+98>>.7:>D=A?!KH ' BJ#[LViO[LV"#,!I!-K ' JO[LV"#,8
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH ' BJ#[LV!P! - K ' JO[LV8
! =QN:>:D=(+8N9>=>?!T%(U+/&/*(S!a2(!17! - (.JMVVL›!
- (.JL[VO›! - (.JL[VN›! - (.JL[V[›! - (.JL[Vf›! - (.JL[Vb›!
- (.JL[Mf›!1%! - (.JL[LM8!d%/**(2!T(%6/&&/12!17!*$(!C2&*%+)*1%!
/&!%(U+/%(=!/7!12(!17!*$(!3?14(!5%(%(U+/&/*(&&!/&!21*!6(*!
W5%(%(U+/&/*("&,X8

! "#.3V1/(234(-E=()<=(8\(DE=(PJIN9J:!"#!$%&!'()*+%(,!
gG36+%3/g!17*(2!(41I(&!32!/6 30(!17!3!;3%%/1%!(2*%32)(=!/2!
*$(!E+&$/=1!)1=(›!%(3=<!*1!)166/*!$3%3I/%/!+512!)166 32=8!
9$/&!)1+%&(!=(6<&*7/(&!&+)$!32!3+%3!&+%%1+2=/20!A3532&&!
;3%%/1%!).3&&!?<!(:5.1%/20!*$(/%!%/&(!7%16!D(/32!*(65.(!
&(%432*&!*1!G(201I+!;3%.1%=&!32=!*$(2!*$(/%!7%..!7%16!K=1!
A3532&&!/2*(..()*+3.&!32=!?+%(3+)%3*&!*1!*$(!%(3.6&!17!*$(!
=(&*/*+*(8!G1+%)(&!/2).+=(!&36+%3/!3+*1?/10%35$/(&›!*$(/%!
/2*(..()*+3.!&)$1.3%&$/5›!32=!%(5%(&(2*3*/12&!17!&36+%3/!2!
)12*(651%3%<!515+.3%!)+.*+%(8
+98>>.7:>D=A?!-K ' JO[LM"#,!32=!KH ' BJ#[LM"#,iO[LM"#,8
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH ' BJ#[LM!P!KH ' BJO[LM!P! - K ' JO[LM8
! =QN:>:D=(+8N9>=>?!- K ' JL[LM!1%!KH ' BJL[LM!1%!
5(%6/&&/12!17!*$(!/2&*%+)*1%!W5%(%(U+/&/*("&,X8

! "#.3V3/(234(-86:H>(:;(+E:;=>=(+N7DN9=(J;A(P8H:=DK!
"#!$%&!G(6/23%i\/&)+&&/12,!9$/&!)1+%&(!(:5.1%(&!&5()/7/)!
15/)&!/2!$(!H&/32!- (./0/12&!32=!B+.*+%(&!3%13%7!&*+=<!3*!
32!3=432)(=!.(4(.8!9$/&!)1+%&(!63<!?(!%(51(3*(=!71%!)%(=/*!
;$(2!*$(!*15/)!43%/(&8!G*+=(2*&!(2%1..(=!3*!*$(!OVVV!.(4(.!
3%(!*<5/)3..<!3&/02(=!3!$(34/(%!;1%I.13=!/2!*(%6&!17!
3&&/026(2*&!32=!3%(!(:5()*(=!*1!5(%71%6!3*!3!61%(!
3=432)(=!.(4(.8!G*+=(2*&!&$1+.=!)12&+.*!*$(!=(53%*6(2*!
%(03%=/20!51*(2*/3.!17(%/20&!/2!3!0/4(2!<(3%8
+98>>.7:>D=A?!-K ' JO[#M"#,!32=!KH ' BJ#[#M"#,iO[#M"#,8
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH ' BJ#[#M8

**! "#.3]01(234($;A:<=;8N>(L=J7=9>**!"#!$%&!
G(6/23%i\/&)+&&/12,!9$/&!)1+%&(!71)+&(&!12!*$(!
%(./0/1+&i&5/%/*+3.!.(3=(%&!;$1!3%(!17!*(2!%(%(=!*1!3&!
6(=/)/2(!6(2i;16(2!1%!&$36 32&&!9$(&(!/2=/4/=+3.&!

3==/*/12>!=+(!*1!$/&*1%/)3.!)/%)+6&*32)(&>!*$(!/651%*32)(!17!
;16(2!/2!;1%.=4/(;!32=!)(%(612<!$3&!17*(2!?((2!
14(%.11I(=!1%!&+?./63*(=!/2!*$(!;%/**(2!&1+%)(&8!9$/&!
)1+%&(!(:36/2(&!*$(!*(3)$/20&>!)(%(612/(&>!32=!/&&+(&!
%(.3*(=!*1!C2=/0(21+&!;16(28!d%/**(2!&1+%)(&!?<!32=!
3?1+*!C2=/0(21+&!;16(2!32=!C2=/0(21+&!;16(2&&!
*(3)$/20&!3%(!(:36/2(=!32=!.1)3.!C2=/0(21+&!;16(2!
K.=(%&!32=!*%3=/*/123.!5(15.(!3%(!/24/*(=!*1!&5(3I!*1!*$(!
).3&&!3&!1%3.!&1+%)(&8
+98>>.7:>D=A?! - K'JOfV#"#,8
!=>D9:HD:8;>?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=! - K'JOfV#8
!=QN:>:D=(+8N9>=>?! - K'JLfVM>! - K'JLfVL>!1%! - K'JLfV#!
W5%(%(U+/&/*("&,X8

!"#.3]0X(234($;A:<=;8N>(P6:9:DNJ7:DK?(!=>=J9HE(
O=DE8A>[illegible]
12!%(&(3%)$!6(*$1=&!32=!&1+%)(&!71%!*$(!&*+=<!17!
C2=/0(21+&!&5/%/*+3./*<8!G1+%)(&!/2).+=(!5+?./&$(=!32=!
+25+?./&$(=!;%/**(2!63*(%/3.!32=!1%3.!23%%3*/4(&8!B%/*/)3.!
5(%&5()*/4(&!32=!(*$/)3.!/&&+(&!%(.3*(=!*1!*$(!&*+=<!17!
C2=/0(21+&!&5/%/*+3./*<!32=!%(&(3%)$!;/*$!K.=(%&!32=!
C2=/0(21+&!5(15.(!3%(!(:36/2(=8!Z+/=(./2(&!(&*3?./&$(=!?<!
*$(!G1)/3.!G)/(2)(&!32=!D+632/*(&! - (&(3%)$!B1+2)/.!
%(.3*(=!*1!*$(!=(4(.156(2*!17!32!C2=/0(21+&! - (&(3%)$!
T3%3=/06>!1%!3!=()1.12/]/20!355%13)$!*1!%(&(3%)$!32=!
&)$1.3%&$/5!3%(!=/&)+&&(=8!\+%/20!*$(!*(%6>!&*+=(2*&!

*$(!/&&+(&!5(%*3/2/20!*1!k+%32/)!/2*(%5%(*3*/12!"(:(0(&/&,!
3%(!=/&)+&&(=8!H7*(%!03/2/20!32!+2=(%&*32=/20!17!*$(!?11I!
3&!3!&)%/5*+%(>!*$(!$/&*1%<!32=!*$(!=(4(.156(2*!17!/*&!
(:(0(*/)3.!4(2*+%(!/&!*%3)(=8!H55%13)$(&!17!?1*$!).3&&/)3.!
32=!61=(%2!Q+&./6!)166(2*3*1%&!12!*$(!k+%32!3%(!
(:5.1%(=8!9$(!a%/(2*3./&*&!355%13)$!*1!*$(!k+%32!32=!/*&!
/2*(%5%(*3*/12!/&!3.&1!(:36/2(=8!`1%!5%3)*/)3.!)12)(%2&>!*$/&!
)1+%&(!=(3.&!;/*$!*$(!/2*(%5%(*3*/12!17!*$(!k+%32!/2!3!
?%13=(%!)12*(:*8!K:365.(&!/2).+=(!*$(!k+%32/)!
)166(2*3%/(&!12!Q1&(&!32=!A(&+&8
+98>>.7:>D=A?! - K ' J# [VM"#,8
! =>D9:HD:8 ; >?! \ (53%*6(2*!T(%6/&&/12! - (U+/%(=8!G*+=(2*&!
63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!32=! - K ' J# [VM8
! =QN:>:D=(+8N9>=>?! - K ' JMVVL!1%! - K ' JL [VM!1%! - K ' JL [VL!
1%! - K ' JL [MV!1%! - K ' JL [MM>!32=!5(%6/&&/12!17!*$(!
\ (53%*6(2*!B$3/%!W5%(%(U+/&/*("&,X8

! "#.XV03(234($>7J I :H(#JM!"#!$%&!G(6/23%i \ /&)+&&/12,!
9$/&!)1+%&(!)12&/=(%&!*$(!$/&*1%/)3.!)12*(:*&!;/*$/2!;$/)$!
C&.36/)!.3;!*11I!&$35(>!?(71%(!(:36/2/20!/*&!1%/0/2&!;/*$!
$(!k+%32!32=!(3%.<!=(4(.156(2!;/*$/2!Q+&./6!&1)/(*/(&8!
F(:*>!*$(!)1+%&(!&$/7*&!7%16!*$(!$/&*1%<!17!*$(!.3;!*1!/*&!
&+?&*32*/4(!3%(3&!32=!355./)3*/12>!(:36/2/20!*$(!+2=(%.</20!
(*$1&!32=!5%/2)/5.(&!17!C&.36/)!.3;!%(03%=/20!4/1.(2)(!32=!
;3%73%(>!0(2=(%>!212JQ+&./6&>!32=!61=(%2/*<>!3%(!
)12&/=(%(=>!3..!)12&/=(%(=!*$%1+0$!)12*(651%3%<!)3&(!
&*+=/(&8
+98>>.7:>D=A?! - K ' J# [V#
! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=! - K ' J# [V#8

! "#.XV0](234(-86:H>(:;(FNAAE:>D(+N7DN9=(J;A(P8H:=DK!
"#!$%&!G(6/23%i \ /&)+&&/12,!9$/&!)1+%&(!(:5.1%(&!*15/)&!17!
)12*(651%3%<!/2*(%(&*!%(03%=/20!*$(!&*+=<!17!E+==$/&6!32=!
&1)/(*<>!(:36/2/20!63%1%!/&&+(&!73)/20!E+==$/&6!/2!*$(!
H&/32!)12*(:*>!71)+&/20!12!3&5()*&!17!*$(!/2&*/*+*/123.>!
&1)/3.>!32=!51./*/)3.!%1.(!5.3<(=!?<!E+==$/&68!Q3<!?(!*3I(2!
71%!)%(=/*!61%(!*$32!12)(>!;/*$!5(%6/&&/12!17!/2&*%+)*1%8!
915/)&!63<!/2).+=(S!E+==$/&632=!9/?(*32!/=(2*/*<!/2!*$(!
&*%+00.(!71%!9/?(*32!3+*121 6<!/2!B$/23>!*$(!E+==$/&*!
6123&*/)!/2&*/*+*/12!32=!/*&!%1.(!/2!1)/(*<>!32=!=(?3*(&!14(%!
$(!/2*(%5%(*3*/12!17!E+==$/&6!/2!61=(%2!H&/32!)1+2%/(&8
+98>>.7:>D=A?! - K ' J# [Vf"#,!32=!KH ' BJ# [Vf"#,i0 [Vf"#,8
! =>D9:HD:8 ; >?!D121+%&!`1%6!-(U+/%(=8!G*+=(2*&!63<!21*!
$1.=!)%(=/*!71%!*$/&!)1+%&(!32=!KH ' BJ# [Vf!P!KH ' BJ0 [Vf!P!
- K ' J# [Vf8
! =QN:>:D=(+8N9>=>?!_!)%(=/*!$1+%&!17!KH ' B!)1+%&(!;1%I!
1%!5(%6/&&/12!17!*$(!/2&*%+)*1%!W5%(%(U+/&/*("&,X8

! "#.XV/3(234(%=;A=9(J;A(P=5NJ7:DK(:;(+E:;=>=(
+N7DN9=!"#!$%&!'()*+%(,!9$/&!)1+%&(!71)+&(&!12!B$/2(&(!
&1)/(*<>!)+.*+%(!32=!)12)(5*/12&!17!/=(2*/*<!*$%1+0$!*$(!
5%/&6&!17!0(2=(%!32=!&(:+3./*<8!915/)&!/2).+=(!21%63*/4(!
&1)/3.!%1.(&!3&!=(7/2(=!?<!B127+)/32!43.+(&>!51;(%!32=!
&(:+3.!=<23 6/)&!;/*$/2!51.<03 6 1+&!$1+&($1.=&>!*$(!&1)/3.!
?1=<!4&8!*$(!?/1.10/)3.!?1=<!32=!*$(!=/4(%&/*<!17!3*<5/)3.!
?1=/(&!/2!*%3=/*/123.!B$/238!`+%*$(%!;(!;/..!&((!$1;!0(2=(%!
/2(U+3./*<!;3&!355%15%/3*(=!*1!%(7.()*!B$/23&!
?3)I;3%=2(&&!4/&!n!4/&!*$(!d(&*!32=!A3532!/2!*$(!61=(%2!
5(%/1=>!32=!$1;!)12*(651%3%<!)+.*+%(!32=!&1)/(*<!$3&!
&1+0$*!*1!7%((!0(2=(%!(:5%(&&/12!7%16!*$(!)127/2(&!17!
23*/123.!=/&)1+%&(8
+98>>.7:>D=A?!KH ' BJ0 [M#"#,>! - K ' J# [M#"#,>! - K ' J0 [M#"#,

! =>D9:HD:8 ; >?!G*+=(2*&!63<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH ' BJ# [Vb!P!KH ' BJ# [M#!P!KH ' BJ0 [Vb!P!KH ' BJ0 [M#!P!
- K ' J# [M#8

! "#.XV/^(234(PN\:>I ?($>7J I :H(P6:9:DNJ7:DK(J;A(
[E:78>86EK!"#!$%&!G(6/23%i \ /&)+&&/12,!G+7/&6!/&!C&.36&!
%/)$!*%3=/*/12!17!&5/%/*+3./*<!32=!6<&*/)/&68!C*!%(63/2&!12(!17!
$(!61&!/27.+(2*/3.!32=!515+.3%!(:5%(&&/12&!17!C&.368!
D/&*1%/)3..<>!G+7/&!$34(!?((2!)(.(?%3*(=!71%!*$(/%!51(*%<>!
6+&/)!32=!5$/.1&15$<8!9$/&!)1+%&(!;/..!(:5.1%(!G+7/&6&!
1%/0/2&>!=(4(.156(2*>!I (<!%1.(!/2!).3&&/)3.!C&.36/)!
)/4/./]3*/12>!32=!43%/(=!632/7(&*3*/12&!/2!*$(!)12*(651%3%<!
5(%/1=8
! =>D9:HD:8 ; >?

%(5%(&(2*3*/12&!17! ; 1 6 (2&!./4(&!$34(!)$320(=!7%1 6 !53&*!
*1!5%(&(2*8!T%(%(U+/&/*(S!_!)%(=/*!$1+%&!17!KH ' B!B+.*+%(!
"212J.320+30(,!)1+%&(&!"1%!(U+/43.(2*,8!©2!*$(!3?&(2)(!17!
$(!5%(%(U+/&/*(>!5(%6/&&/12!17!*$(!/2&%+)*1%!/&!%(U+/%(=8
+98>>.7:>D=A?!KH ' BJ0[#M8
! =>D9:HD:8 ; >?!G*+=(2*&!6 3<!21*!$1.=!)%(=/*!71%!*$/&!)1+%&(!
32=!KH ' BJ0[#M8
! =QN:>:D=(+8N9>=>?!m1+!6 +&*!&+))(&&7+..<!)1 6 5.(*(!_!
)%(=/*&!17!KH ' B!)+.*+%(!"212J.320+30(,!)1+%&(&!"1%!
(U+/43.(2*,!1%!5(%6/&&/12!17!*$(!/2&*%+)*1%!!!5%(%(U+/&/*("&,X8

! "#.X]01(234($; A:<= ; 8N>(L=J7=9>!"#!$%&!
G(6/23%i \/&)+&&/12,!9$/&!)1+%&(!71)+&(&!12!*$(!
%(./0/1+&i&5/%/*+3.!.(3=(%&! ; $1!3%(!17*(2!%(7(%%(=!*1!3&!
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5%/6 3%/.<!7+2)*/12!3&!$(3.(%&!?+*!6 3<!3.&1!&(%4(!3&!K.=(%&>!
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