

! "#\$%&' () *() + ' , &- . +!
"#\$!%&' ()*+,!- ./!
O(1.23' ()3!&4!- *,3&25!
6&2.7*.!)!8)*7(2,*35!
9(3: /(: (' ;!<=!!
)>(2,&)2#"?' ' &2.7*.)@(>+!
AB\$#C!BDEFGGDD!

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

D#DDF<2(, ()3! ! =, ,*,3.)3!<2&4(, ,&2!&4!<2.H3*H(!*)!<+I/*H!- *,3&25!
! ! ! 6&2.7*.!)!8)*7(2,*35!!!!!!

D#D#F<2(, ()3! ! <+I/*H!<2&J2.' ' *)J!.)>!KL: *I*3*&),!6.).J(2!!
! ! ! 6(/&)M=%NO!<+I/*H!P(/&Q!!
- +' .) *3*(,! =H3*&)!N. I!
R+3J(2,!8)*7(2,*35FS(Q.2T!!

D#\$UFD#D#! ! <&,3>&H3&2./!P(/&Q!
V: (!- +' .) *3*(,! W), 3*3+3(!
V: (!<()),5/7.).*!03.3(!8)*7(2,*35!

!
+ , - . / '%\$&!
D#\$U! ! ! ! "#\$%&'&'()*+ , " - . ; ! - * , 3&25!
<2*)H(3&!)!8)*7(2,*35!!

D#\$"! ! ! /0,\$1%&'&2%\$; !- *,3&25!
<2*)H(3&!)!8)*7(2,*35!

D#\$!! ! ! /0,\$1%&'&2%\$; !- *,3&25!A%(23*4*H.3(1*)!<+I/*H!- *,3&25C!
8)*7(2,*35!&4!6. . . H: +, (33,! = ' : (2,3!!

D##U! ! ! /0,\$1%&'&3#*14#15X&+2). / , ' !
8)*7(2,*35!&4!W//*)& , !.3!82! .).F%: . ' 1.*J)!

D##B!! ! ! 60#)1+""%&'&2%\$;5!- *,3&25!
S&23: (. ,3(2)!W//*)& , !8)*7(2,*35!

O-12% / '%\$&*!!
9&&T! ! ! /0#)*41& (" +\$*# ,7&8"9&: *)0%; &<-&! 0+1. &04; &>)*#0?"@&! 1A"#%0\$*#&(0%\$.&& &
& & & : 1A0; 1&2A1%#04&B*C1%0+ , A&A' .) + , H2*13!*)!12&J2(, , C!

X&+2) .!/=23*H/(,!! YV. T*)J!N. I &2!- *,3&25!<+I/*H! =)![7(27*(Q!&4!3: (!P*(/>:\!BOC""%7&3\$D; *1,&*4&
E ""%F*4?G>+0, ,&8\$, \$""% .] &/@ \$G;!S&@ \$&

!

%&)32*I+3*)J!=+3: &2!.)>!%: . 13(2!K>*3&2!AQ*3: ! _ /*. ' !OH: +/3`C;!YV: (!
V2*+' 1: !&4!3: (!R*J: 3;\!H)1&2A1%#04&! 09-7&2&/0,,*J1+.&>"+0C"%O\$J1&K-14&L=3-
8*,\$"%.&H1M\$C""F5&>*J*3.!/7(2,*&!)1+I/*,: (>!)!D#\$^C;!12*)3!7(2,*&!)AO3.)4&2>7!
03.)4&2>!8)*7(2,*35!<2(,,:!D#\$aC&!)

!

9&&T!R(7*(Q,!)

YV: (!P+3+2(!&4!<2(,(27*)J!3: (!<. ,3!O(4*)*)J!3: (!] ./+(!A.)>!] ./+(,C!&4!
- *,3&2*H!<2(,(27.3*&);\!R(7*(Q!&4!R*H: .2>!N&)J,32(3: ;!(>@!N%04F&B+".;&
E%?)\$7&(%!,1%JO\$**45&! 1,*?45&04;&2;;*4?&&"&0#"4#&6D*+,*?,&.)>!6.L!<.J(!E).&
(%!,1%JO\$**4&/O\$1%C;!<"D%40+&"&L%CO4&8*,\$"%.!] &/&^E;!S&@!"!AD#\$aC;IB#\$FB#U&

!

3)/.4%&5!!

W),32+H3&2;!6&2.7*.)!8)*7(2,*35!

! W)32&>+H3*&!)3&!<+I/*H!- *,3&25!AP.//!D#DDC!
! 8@&- *,3&25!0*)H(!\$UBE!AP.//!D#DDC!
! O()*&2!O(' *).2!)*!- *,3&25!AP.//!D#DDC!
8@&- *,3&25!0*)H(!\$UBE!AO12*)J!D#D"C!
W)3(2),:*1!)*!- *,3&25!AO12*)J!D#D"C!
] *(&!O3&253(!/*)J!AO12*)J!D#D"C!
8@&- *,3&25!0*)H(!\$UBE!AP.//!D#D"C!
[2./!- *,3&25!.)>!<&>H.,3*)J!AP.//!D#D"C!
- &)&2,!<2&b(H3!O+1(27*,*&!)AP.//!D#D"C!
8@&- *,3&25!0*)H(!\$UBE!AO12*)J!D#D^C!
W)3(2),:*1!)*!- *,3&25!AO12*)J!D#D^C!
] *(&!O3&253(!/*)J!AO12*)J!D#D^C!
- &)&2,!<2&b(H3!O+1(27*,*&!)AO12*)J!D#D^C!

!

W),32+H3&2;!V: (!<()) ,5/7.)*. !03.3(!8)*7(2,*35!

! <+I/*H!- + ' .))*3(,!% . 1,3&)(!AO12*)J!D#D#C!
! W)32&>+H3*&!)3&!<+I/*H!- + ' .))*3(,!AP.//!D#\$aC!
! V.T*)J!- + ' .))*3(,!<+I/*H!_&2T!.)>!_&2T(2,!)*[+2!_&2/>!AO12*)J!D#\$aC!

!

- (.>!<2(H(13&2!AV(.H: *)J!=, , ,3.)3C;!<2*)H(3&!)8)*7(2,*35!!

! 8@&- *,3&25;!\$aG^F<2(,()3!AO12*)J!D#\$UC!!
8@&- *,3&25;!\$aD#F\$aG^!AP.//!D#\$GC!!

!

<2(H(13&2!AV(.H: *)J!=, , ,3.)3C;!<2*)H(3&!)8)*7(2,*35!!

8@&- *,3&25;!\$aD#F\$aG^!AP.//!D#\$"!;!P.//!D#\$B!
8@&- *,3&25;!\$aG^F<2(,()3!AO12*)J!D#\$GC!!

!

V(.H: *)J!=, , ,3.)3;!8)*7(2,*35!&4!6. , , ,H: +, (33,!=' : (2,3!!

_ ,(3(2)!V: &+J: 3!42&' !B##!3&!<2(,()3!AO12*)J!D#\$#C!
W)32&>+H3*&!)3&!_&2/>!R(!*J*&),!AP.//!D##aC!!

!

V: (.3(2!W),32+H3&2;!V: (!=H.>(' 5!.3!OQ*43!R*7(2;!%+ ' ' *)J3&);!6=!!

W)32&>+H3*&!)3&!V: (.3(2!AO+ ' ' (2!D##aC!!

!

V(.H: *)J!=, , ,3.)3;!8)*7(2,*35!&4!W/*)&*,!3!82I.).F%: . ' 1.*J)!!

X.)(!=>>.' ,!- +//F- &+, (!6+, (+' ;!%: *H. J&!WN!
!
D#\$^FD#B! %&2. 3&2!AO*3: !- (*>*!- .+, , (C;!H)1&UVVG! 10%3\$""&""&\$)1&(%"\$1,\$04\$&: 1""AO\$""4!
A32. 7(/"J!(L: *I *3C;!S(Q!X(2, (5!O*, 32*H3!&4!V: (!N+3: (2.)!%: +2H: F6* , ,&+2*!
05)&>!
!
D#\$^!! ! ! R(*>())3!P(//&Q;!S. 3*&) .!/<+I/*H!- &+, *)J!6+, (+' ;!%: *H. J&!WN!
!
D#\$#FD#\$\$! ! =>7*, &25!9&. 2>!6(' I (2;!811(2!- &+, .3&)*H!]. //(5!=42*H.)!= ' (2*H.)!!
! ! ! - (2*3. J(!V2. *!;!e2(. 3!9. 22*)J3&);!6=!!
!
D#\$#! ! ! W)3(2);!0. ' +(!- .22*, &)!O&H*(35!A: *, 3&2*H!: &+, (!' +, (+' C;!<*33, 4*(/;>!6=!!
!
D####! ! ! O&H()3;!V: (!6&+)3;!K>*3: !__ : .23&)g,!- &' (!N())&L;!6=!
&
(%"?%OA&2; A*4* ,%0\$""4&04; &>"AAD4*\$.&KD\$%10#)&&
D#\$UFD#\$a! ! %&' ' +)*35!K)J. J(' ()3!%&&2>)*. 3&2;!<+I/*H!- +' .) *3*(, !W)*3. *3*7(!V: (!!
! ! ! - +' .) *3*(, !W), *3+3(!V: (!<()), 5/7.)*. !03. 3(!8)*7(2, *35;!!
!
D#\$^! V2*1!%&&2>)*. 3&2;!8*, \$""5&/1A""%5&04; &\$)1&L%CO4&ND\$D%1&1+I/*H!: *, 3&25!, (' *) .2;!
<2*)H(3&!8)*7(2, *35;!0: .)J: .!S&2' .!8)*7(2, *35!.)>!0: .)J: .!03+>5!
%()3(2;!0: .)J: .!%;!%: *) .!AX+/5!D^F"\$;!D#\$^C!
!
D#\$FD#\$^!! P&+)>(2!.)>!%&&2>)*. 3&2;!<+I/*H!- *, 3&25!W)*3. *3*7(!O(1. 23')3!&4!- *, 3&25;!
<2*)H(3&!8)*7(2, *35!
!
D#\$#FD#\$\$! ! <+I/*H!- *, 3&25!<2&J2. ' !=, , *, 3.)3;!O(1. 23')3!&4!- *, 3&25;!8)*7(2, *35!&4!!
! ! ! 6. , , .H: +, (33, !
!
: 2\$5!O\$*!*/&, !; \$&<O))7<=>)%?) , !+ **/8*!
D#\$a! ! ! YV: (!SaEE!6. 5&2. !/K/(H3*&);!%: *H. J&!K/(H3*&), !<2&b(H3;!X+) (!D";!D#\$a!!
!
D#\$G! ! ! Y<2*)H(3&)g,!%*7*!__ .2!6(' &2* .;/!<2*)H(3&!c!0/. 7(25!<2&b(H3;!S&7(' I (2!!
! ! ! D#\$U!
!
YX&). 3: .)!K>Q. 2>, !02@!<2*)H(3&!c!0/. 7(25!<2&b(H3;!S&7(' I (2!D#\$U!
!
D#\$E! ! ! YW)3(212(3*)J!3: (!1. , 3;!Q2(, 3/*)J!3: (!12(, ()3;!8*, \$""SE "%F;!X+/5!D^;!D#\$E!
!
YV: (!S%<- !' ((3, !*)!9. /3*' &2(!) (L3!5(. 2@__ (!, : &+/>)g3!*J) &2(!Q: . 3g, !
: . 11() (>!3: (2!3: *, !Q(T;!8*, \$""SE "%F;!6. 5!\$;!D#\$E!
!
D#\$^! Y- &O!3: (!e2(. 3!%: *H. J&!P*2(!I +2) (>!; *, 3&25;!8*, \$""SE "%F;!S&7(' I (2!\$G;!
D#\$^!
!
Y__ : .3!W!/(. 2) (>!&)! ' 5!A1+I/*H!: *, 3&25C!, +' ' (2!7. H. 3*&);!8*, \$""SE "%F;!
0(13(' I (2!DE;!D#\$^!
!

! YV: (!+, (!&4!3: (!1. ,3!. 3!3: (![/5' 1*H,;\!8*,,\$"% SE "%F;!P(I2+. 25!\$^;!D#\$^!
 ! D#\$"! Y6&I*(!(*,3&25!I2(>!.)>IH&' ' +)*35;\!8*,,\$"% SE "%F;! [H3&I (2!D";!D#\$"!
 ! D#\$D! Y__(!)((>!1+I/*H!: *,3&2*(,!&4!&2J.)** (>!/. I&2;\!8*,,\$"% SE "%F;!X.)+. 25!DE;!
 ! D#\$D! Y__ : .3!H&+)*3,gl. ,!. !1+I/*H!: *,3&25!>*, , (23. 3*&);\!8*,,\$"% SE "%F;! =+J+, 3!\$#;!
 ! D#\$D!
 ! Y<+I/*H!: *,3&25;! .H. >(' *H!: *,3&25;!.)>!3: (!H&I ,!H2* , ;g!\!8*,,\$"% SE "%F;! =12*!
 ! D;D#\$D!
 ! O7)*&'/%\$&*!/&, !@\$&A)7)&.)!O/7'% %#/ '%\$&!!
 D#D"! <2(, ()3(2!.)>![2J.)** (2;!Y%: *H. J&g,!6. 5&2. /!K/(H3*&!)!- *,3&2*H. /!
 <(2, 1(H3*7(\!82I .)!- *,3&25!=, , &H*. 3*&!)H&)4(2)H(!<33, I+2J: ;!<=;!
 [H3&I (2!DU;!D#D" !
 ! D#D"! <2(, ()3(2!.)>!%&F[2J.)** (2;!YV&Q. 2>,!. !03. 3(' ()3!&4!<2*)H*1/(, !4&2!=H3*7*, 3!
 <+I/*H!- *,3&25;\!S. 3*&). /!%&+)H*!&!)!<+I/*H!- *,3&25! =))+. /!6((3*)J;!
 =3/.)3. ;!e=;! =12*!/\$^;!D#D"!
 ! __&2T, : &1!%&FP. H*/3. 3&2;!Y__2*3*)J!4&2!3: (!<+I/*H!V. T*)J! [+3!3: (!X. 2J&);\!
 S. 3*&). /!%&+)H*!&!)!<+I/*H!- *,3&25! =))+. /!6((3*)J;! =3/.)3. ;!e=;! =12*!/\$D;!
 D#D"! !
 ! !
 ! __&2T, : &1!P. H*/3. 3&2;!Y] *(&!<2&>+H3*&!)!<(>. J&J5!4&2!8)>(2J2. >+. 3(, ;\!
 O*J*3. /!<+I/*H!- *,3&25!N. I ;!S. 3*&). /!%&+)H*!&!)!<+I/*H!- *,3&25! =))+. /!
 6((3*)J;! =3/.)3. ;!e=;! =12*!/\$D;!D#D"! ! !
 ! D#DD! <2(, ()3(2!.)>![2J.)** (2;!Y>+*A0\$1, &""&041WDO+\$. !. 3!. !%2&, , 2&. >, !I=>. 13*)J!..!
 %&' ' +)*35F9. , (>!<2&b(H3!*)!. !e/&I . /!<.)>(' *H;\!S. 3*&). /!%&+)H*!&!)!
 <+I/*H!- *,3&25! =))+. /!6((3*)J!A7*23+. /C;! 6. 5!B;!D#DD!
 ! <2(, ()3(2!.)>!%&F[2J.)** (2;!

D#\$U!!

R&+)>3. I/(!<.23*H*1.)3;!YO./(!5!*)!3: (!\$aG#;,!\!82I.)!- *,3&25!=, ,&H*.3*&! H&)4(2()H(!%&/+' I*.;!0%![H3&I (2!\$a;!D#\$U!!!

!

<.)(!%: .*2;!YOH./(!&4!%.1*3./!P/*J: 3!\!82I.)!;R(J*&)./!.)>!e/&I ./;\!82I.)! - *,3&25!=, ,&H*.3*&!H&)4(2()H(!%&/+' I*.;!0%![H3&I (2!\$a;!D#\$U!!!

!

R&+)>3. I/(!<.23*H*1.)3;!YS.7*J.3*)J!3: (!=H.>(' *H!X&I!6.2T(3;\!82I.)! - *,3&25!=, ,&H*.3*&!H&)4(2()H(!%&/+' I*.;!0%![H3&I (2!\$U;!D#\$U!!

!

__&2T*)J!e2&+1!P.H*/3.3&2!.)>!<.23*H*1.)3;!YV: (!<+I/*H!- *,3&25!&4!N. I &2;! <.23!W;\!S.3*&)./!%&+)H*/!&!<+I/*H!- *,3&25!)=))+.!/6((3*)J;!N.,!] (J.,;! S] ;!=12*!D#;!D#\$U!

!

D#\$G!!

__&2T*)J!e2&+1!P.H*/3.3&2!.)>!<.23*H*1.)3;!YV: (!<+I/*H!- *,3&25!&4!N. I &2;! <.23!W;\!S&23: !=' (2*H.)!N. I &2!- *,3&25!%&)4(2()H(!O(32&*3;!6W;! [H3&I (2! \$a;!D#\$G!

!

D#\$B!!

R&+)>3. I/(![2J.)** (2!.)>!<.23*H*1.)3;!Y%: *H. J&q,!6.5&2,!.)>!3: (! %: ./()J(!&4!<&,3Q.2!82I.)!e&7(2.)H(!\!82I.)!- *,3&25!=, ,&H*.3*&! H&)4(2()H(!%: *H. J&;!WV;! [H3&I (2!\$E;!D#\$B!

!

<2(,)3(2;!YR(' .T*)J!3: (!S(.2!__(,3!0*>(!*)!3: (!=J(!&4!82I.)!R() (Q./;\! /OF*4?!

!

__&2T*)J!e2&+1!<.23*H*1.)3;!YV(.H:*)J!<+I/*H!-*,3&25!V:2&+J:!!W)3(2).3*&).!/%&/.I&2.3*&);!S.3*&).!%&+)H*/!&!<+I/*H!-*,3&25!<=))+.!6((3*)J;!S.,:7*//(!VS;!<=12*!\$U;!D#\$E!!

!

D#\$^!!

<.)(![2J.)^(2!.)>!<2(,()3(2;!Y=42*H.)!<='(2*H.)!6.H:*)(!<*/3*H,!.)>!<=)3*F6.H:*)(!<*/3*H,!*)!<=&,3Q.2!%:*H.J&!\!82I.)!<*,3&25!<=,,&H*.3*&)!H&)4(2()H(!<:*/.>(!/:*.;!<=;! [H3&I(2!\$\$;!D#\$^!!

!

<2(,()3(2;!Y<+I/*H!-*,3&25!*)!K7(25>.5!01.H(,!0(.2H:*)J!4&2!3:(!<.,3!<=/&)J!%:*H.J&q,!6.>*,&!032((3;\!8*,\$""%5&/1A""%5&04;&\$)1&L%04&ND\$D%&,('*).2;!0:.)J:.*!S&2'./!8)*7(2,*35!.)>!0:.)J:.*!03+>5!%(3(2;!0:.)J:.*;!%:*).B!X+/5!DU;!D#\$^!

!

<2(,()3(2;!YW3!V.T(!.!8)*7(2,*35!)]*//.J(Z!<2(,(27.3*&);!<=&,3*)>+,32*./!82I.)!<=&*/H5;!.)>!3:(!8)*7(2,*35!&4!W//*)&*,F%:*H.J&!\!0&H*(35!4&2!<='(2*H.)!%*35!<R(J*&).!</.))*)J!<*,3&25!H&)4(2()H(!V&2&)3&;! [3.2*&;! [H3&I(2!E;!D#\$^!!

!

<2(,()3(2;!Yh_(!-.)>!V*(>!V:.3!S&&,(!<=2&+)>! [+2!S(HT,q!82I.)!R() (Q./;!e2.,,2&&3,!</.))*)J;!.)>!3:(!9.33/(!3&!9+*/>!3:(!8)*7(2,*35!&4!W//*)&*,F%:*H.J&!\$a^GF!\$aBE;\!N.I&2!.)>!_&2T*)JF%/.,!<*,3&25!<=,,&H*.3*&)!%&)4(2()H(!S(Q!j&2T;!Sj;!X+)(!G;!D#\$^!!

!

C-)*!D).'-7)*!/&,!

O7\$A) **%\$&/2!l) (1)7*4%#*!!
N. l &2!.) >!_&2T*)JF%/.,!- *,3&25!=, ,&H*. 3*&)!!
S.3*&).!%&+)H*/!&)!<+l/*H!- *,3&25 !!
[2J.)*^ .3*&)!&4!= ' (2*H.)!- *,3&2*.),!!
82l.)!- *,3&25!=, ,&H*. 3*&)!!