!
! "#\$%&" '%"\$!!"#!"!("!#\$%&#% '(!)*+,-./\$\$'.012*34+25423#.6.#\$%!

!

#K'\$15874?B5;71'

JC2! a; 23@+*5! <28=+53! *A! C*7! >*51! =5! *UF125&)2925)25@! L+*39C2<2! 2U+3@2)! L2A*<2! @C2! <+32! *A!

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

 $\begin{aligned} & \text{W24*15+0+*5!*A!*UF125+4!9C*0*3F50C23+3!+5!D<4C2=5!30<*8=0*>+023!<2a;+<23!\text{A};<0\text{C2}<!\text{A}+2>)!30;})+23!=5)! \\ & \text{2U92<+82503/!} \ [+2>)!30;) +23!=4=5!+89<*\text{X2!} \ 0\text{C2!}<=0\text{C2}<!39=<32!<24*<)!*\text{A!} \ D<4\text{C2}=5!30<*8=0*>+023!0<2\text{X+272})!! \\ & \text{LF!e-}\%"\#-"\#\#\text{fP"!} \ 7 \ C+>2!2\text{U}92<+82503!>2=)!0*!0\text{C2!}<24*15+0+*5!*\text{A!*UF125}\&<2>=02)!\text{A=L}<+43!=5)!3\text{C}=923/!D!8*<2! \\ & \text{2U0253+X2!} \ T5*7>2)12!*\text{A!} \ 9<*423323! \ 0\text{C}=0! \ 3\text{C}=92! \ 8+4<*\text{L}=>! \ 8=03!+5! \ 0\text{C2!} = \text{L3254} \end{aligned}$

```
! "#$%\" '%"$!!"#!"!()
!
T;/?80'!\! c<*7\!C!*A!4>; 892)! 8=\!3/!0C
```

!+Z'

 $+5! +50 = 40! 0 = 5! \ 824 = 5 + 4 = >F!) +392 < 32)! +8 \ 834 = >2! 4F = 5*L = 402 < +=>!0; \ 803! = 5)! 4*523"! = 5!25C = 542)! ; 90 = T2! *A! \\ +5* < 1 = 5 + 4! \ 4 = < L*5! \ LF!) +392 < 32)! = 11 < 21 = 023! +5! \ 0C2! 9 < 232542! *A! 3; >A+) 2"! = 5)!) 202402)! 3; >A+) 2! +5! 3* 82! \\ 5 = 0; < 1 = 11 < 21 = 023! +5! \ YVE! \ 0.5! < YVE! < 0.5! < 0.5! < YVE! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.5! < 0.$

 $J*! \ 0C+3! \ 25)"! \ 0C+3! \ 30; \)F! \)234<+L23! \ 0C2! \ *<1=5+_=0+*5"! \ 8*0+>+0F! = 5)! \)253+0F! \ *A! \ 4F=5*L=402<+=! = 5)! \ 2U*9*>F 8 2<+4!3; \ L30=5423!+5!4>; \ 8 93!=5)!A>=0! \ 8=03"!2X=>; =023!0C2!92<3+302542!*A!4>; \ 8 93!=3!=!A; \ 540+*5!*A! \ 4C=51+51! \ d_\#! = 5)! \)+33*>X2)! +5*<1=5+4! \ 4=<L*5! \ 0? \ IKP! \ 4*54250<=0+*53"! = 5)! +)250+A+23! \ 4*5)+0+*53! \ 7 C25! \ 4>; \ 8 9+51! \ 8=F! \ L2! \ L252A+4+=>/! \ 18 9>+4=0+*53! \ *A! \ 0C232! \ 2U92<+8 250=>! +53+1C03! \ A*<! \ 0C2! \ <24*15+0+*5! \ *A! \ 4F=5*L=402<+=>! \ 02U0; \ <23! = 5)! \ 30<*8 = 0*>+023! = <2! \)+34; \ 332)! = 5)! \ ;32)! \ 0*! +502<9<20! \ 0C2! \ 8*<9C*12523+3! \ *A! \ 3*8 2!<24250>F!<24*15+_2)!D<4C2=5!4*5+4=>!30<*8 = 0*>+023!e-$f/!$

!K'E0:?>5:'C14'2;:B?::;71'

(050). "\$2-,\$))

 $\#/-/-/!H *<9C^*>*1+4=>!G0=123!+5!0C2!c<*70C!*A!K*52\&A*<8+51!H+4<*L+=>!H=03!$

B5<+4C 8 250! 4;>0;<23! 4*53+30+51! *A! 8*0+>2"! A+>= 8 250*;3! 4*52&A*<8+51! 4F=5*L=402<+=! =5)! *0C2<! 8+4<*L23!0B>240<*5+4!G;99>2 8 250"!e\$6fP! 7 2<2!25<+4C2)!LF!32<+=>!C=<X230+51!=5)!4;>0;<+51!*A!4*523!+5!=! 8*)+A+2)! K=3025C*>_! 82)+;8! ?!e-Qf"!=3! 72>>!=3! LF! 0C2! 32>240+*5! *A! 0C2! A=30230&1>+)+51! 9C*0*0=40+4! A+>= 8 250*;3! 4F=5*L=402<+=!e\$6f/! JC232! *<1=5+3 8 3! 7 2<2!+)250+A+2)!=3! 4F=5*L=402<+=!;3+51!-ZG!<WVD! 32a;25423!=5)!4C>*<9CF>>!?!0KC>!?P!=;0*A>;*<2342542!0)234<+L2)!+5! 8*<2!)20=+>!+5!e\$6f!=5)!B>240<*5+4!

 $4*54250 <=0+*53!72 <2!8; 4C!1 <2=02 <!0C=5!0C2!0_8!A* <!5+0<=02!032X2 <=>!0253!*A! H"!e$%fP!=5) !0C2!0_8!A* <!Kd_\#! =5)! `Kd_\$! 0+5! 0C2! H! <=512"! e$ZfP"! 4>; 89+51! ;5)2<! *; <! 2U92 <+ 8250=>! 4*5) +0+*53! 4*; >)! 5*0! L2! +502 <9 <202)!=3!=!) +<240! <239*532!0*!>*7!4*54250 <=0+*53!*A!5+0<=02!=5) !+5*<1=5+4!4=<L*5/! L*10C215=T2) |2F2"|4>: 8021=002=2) |-214|4|4>>> |402=0: <231>=772<|0C=510C21=>:-4250|4>=0!*8=0210 I+1: <21#PPI/I$

J*!0C2!5=T2)!2F2"!4>; 893!=992=<2)!=3!4+<4;>=<!A2=0;<23!)=<T2<!0C=5!0C2!=):=4250!A>=0!8=03!0[+1;<2!#RP/!K*5A*4=>!8+4<*34*9F!3C*72)!0C=0!0C2!527>F!)+342<5+L>2!4>; 893!72<2!5*0!2>2X=02)!LF!8*<2!0C=5!!-'!1!]!

+5! 4>; 8 93! 0 [+1; <2! ZDP/! JC232! 8 2=3; <2 8 25@3! +5) +4=@2)! @C=@! A+>= 8 25@3! +5! 4>; 8 93! =5)! A>=@! =<2=3! C=)! 4*8 9=<=L>2! 1<*33! 9C*@*3F5@C2@+4! <=@23/! H*<2! 3; <9<+3+51>F"! *UF125! 4*5425@<=@+*53! =@! @C2! 3; <A=423! *A! 4>; 8 93! 7 2<2!>*7 2<!@C=5!@C*32!=@!@C2!3; <A=423! *A! 8 =@3!0 [+1; <2! ZR"!BU92<+ 8 25@=>!G24@+*5!\$/6P"!=>@C*; 1C! 4>; 8 93!1<27!; 97 =<)!A=3@2<!@C=5!@C2!3; <<*; 5)+51!=<2=3!0 [+1; <2!-P/!!

T;/?80') N! EC*0*3F50C20+4! <=023! =5)! *UF125! 4*54250<=0+*53! +5! +50=40"! 4>; 8 92)! 8 =03! =5)!
)+392<32)! 8 =03/!0CP! p*>; 8 20<+4! 1<*33!9C*0*3F50C20+4! <=023! +5!4>; 8 93! =5)! A>=0! =<2=3/!B=4C!
0<+=51>2! <29<232503! - .! 8 2=3; <2 8 2503! A<* 8! *52! 8 =0/! ?+AA2<250! 0<+=51>23! <29<23250! 8 =03!
1<* 7 5!+5!+5) 2925) 250! 4; >0; <2! 2U92<+ 8 2503/!G*>+)!>+52! 8 =<T3! 9*+503! 7 C2<2! 0C232! <=023! =<2!
2a; =>!+5!4>; 8 93!=5)! A>=0! =<2=3/! ?*002)!>+52!+3! 0C2! -/]\$, -!>+52! 0C=0!) 234<+L23! 0C2! 9<2) +402)!

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

J*!>2=<5!8*<2!=L*; \( !\) (C2!4F4>+51!*\| !\) 4=<L*5!=5)!*UF12
```

!QQ'

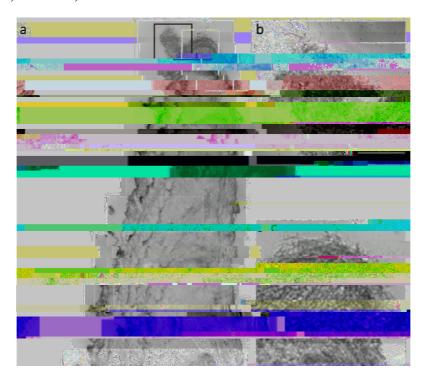
(@(@)H&\$%2\$\$&#')

#/#/-/!I5+0+=0+*5!*A!K>; 89+51!

 $\begin{aligned} &\textbf{T;/?80'} \text{ ($\S!$ E<*9*32)! 8*)2}! *A! 8+4<*L+=>!) +30<+L; 0+*5"! 39=0+=>! *<1=5+_=0+*5"! 4=<L*5!=5)! d\#! \\ &4F4>+51!+5!4>; 893!=5)!=) :=4250!=<2=3/!0CP! K>; 893!4*50=+5!)2532<!4F=5*L=402<+=>!A+>=82503! \\ &=5)!C202<*0<*9C+4! 8+4<*L23!0[+1;<23!-K"!$"!6RP/! JC2!+5+0+=>!) +AA2<25423!+5!)253+0F!)2925)! \\ &*5!4F=5*L=402<+=>! 8*0+>+0F!=5)!4=5!L2!230=L>+3C2)!*X2<!3C*<0! 0+8234=>23!0n\#! C"! [+1;<2!\frac{1}{2}!\frac{1}{2}! B>240<*5+4!G; 99>28250P/! ?=<T2<!L>;2!4*>*<!*;03+)2!*A!0C2!4>; 89!+5)+4=023!C+1C2<!*UF125! \\ &*54250<=0+*53!+5!=<2=3!=):=4250!0*!4>; 893!0[+1;<2!ZRP/! dU+4!82)+=!+54<2=32!0C2!<2X2<3=>! A<2a; 254+23!*A!=5F!A+>=82503!0C=0!L21+5!0*!>2=X2!0C2!4>; 893!0322!0C2!8*X+23!+5!0C2!B>240<*5+4! G; 99>28250P"! 0C2<2LF!<2); 4+51!0C2!520!8+1<=0+*5!=7=F!A<*8!0C2!4>; 89!0[+1;<2!\frac{1}{2}!\frac{1}{2}! BP/! JC+3! 25=L>23!0C2!4>; 89!0[+1;<2!\frac{1}{2}! BP/! JC+3$

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

T;/?80'Z\!K\; 893!+5!=!4F=5*L=4\(\ell2\)<+>!4*52!\(A\)<*8!Y2\>*73\(\ell*52!\) V=\(\ell*5=\)!E=\(\tau\)!OCP! H*3=+4! \\
\(\tau\)<1C\(\ell!\) 8+4\(\ell*1\)<=9C3! *\(\alpha\)! \(\C2!\) X2\(\ell*4=\)! \(\ellC\)! \(\ell2\) 324\(\ell*5!\) \(\ell2\)! \(\ell*52!\) \(\ell2\)! \(\ell*52!\)! \(\ell2\)! \(\ell*52!\)! \(\ell2\)! \(\ell*52!\)! \(\ell2\)! \(\ell*52\)! \(\ell2\)! \(\ell*52\)! \(



I5!a; +20"!30<=0+A+2)!3*>; 0+*53"!0C2!A>* 7!*A!5; 0<+2503!+50*!0C2!8=0!=5)!0C2!A>* 7!*A!7=302!9<*); 403!*; 0!*A!

0C2!8=0!)2925)!*5!0C2!8+4<*L+=>!*<1=5+_=0+*5!7+0C+5!0C2!8=0!e\$."6#"6\$"6Zf/!D33;8+51!0C=0!0C2!+5+0+=>!
0<=53+0+*5!A<*8!0C2!hA>=0!18=03!0[+1;<2!#DP!0*!0C2!4>;892)!*523!+3!=!L2C=X+*<=>!=)=90=0+*5!0C=0!=>>*73!=!
L2002<!;32!*A!<23*;<423"!*52!4=5!)2X2>*9!=!3+89>+A+2)!8*)2>!*A!4>;89!39=4+51/!I5!0C+3!12*820<+4!8*)2>"!
=!A>=0!8=0!L24*823!4>;892)!7C25!0C2!3;<A=42!=<2=!0*!X*>;82!<=0+*!*A!0C2!4>;893!+3!C+1C2<!0C=5!0C=0!*A!
=!A>=0!8=0/!K*53+)2<!=!X*>;82!*A!L=402<+=!I!)+30<+L;02)!*X2<!=5!=<2=!*/!JC2!L=402<+=!4=5!2+0C2<!L2!
)+30<+L;02)!=3!=!A>=0!3C220!*A!0C+4T5233 !*<!*<1=5+_2)!+50*!C28+39C2<+4=>!4>;893!*A!<=)+;3!+/!I5!A>=0!
8=03"!0C2!3;<A=42!=<2=!0*!X*>;82!<=0+*!+3!-//!I5!4>;892)!*523"!0C2!3;<A=42!=<2=10*!X*>;82!<=0+*!+3!\$0+/!
K*532a;250>F"!+A!+0!q!\$"!5;0<+2503!=5)!7=302!9<*);403!A>*7!8*<2!2=3+>F!+50*!=5)!*;0!*A!=!A>=0!8=0"!L;0!
0C2!L+*A+>8!L24*823!8*<2!2AA+4+250!LF!A*<8+51!4>;893!+A!+0!n!\$/!JC;3"!0C2!L+*A+>8!3C*;>)!A*<8!4>;893!7C25!

-D)J! 0\$P!

!

! "#\$%&" '%"\$!!"#!"!()
! 3=82!=<2=/!IA!@C2!4>; 893!=<2!=<<=512)!*5!=!C2U=1*5=>!>=@+42!039=42)!LF!; [+1;<23!-R!=5)!#RP"!@C25!@C2!=<2=!92<!4>; 89!+3,!

?)D)— 2!
06P!

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

!"#\$%&"'%"\$!!"#!"!()
!
9*<*;3!>=8+5=2!+5! @C2! 9<232542! *A! 5*5&A+>=825@*;3! 4F=5*L=4@2<+;8! 9C'"%=#%#%/2\$

T;/?80' [%] H *<9C*1252@+4!32a; 2542!A<* 8!4>; 8 93!@*!4*523!9<232<X2)!+5!=5!D<4C2=5!4*5+4=>! 30<* 8 = @*>+02!A<* 8!0C2! J; 8 L+=5=! [*<8 = @+*5!e--f/!0CP! p 2<@+4=>!4<*33&324@+*5!0C<*; 1C!4*523(! 0FP!K>; 8 93!+5!0C2! 8 = 15+A+2)!=<2=!3C*75!LF!0C2! 7 C+02!<24@=51>2!+5!0CP(!0BP!G 8 =>>"!4 8 &34=>2! 4*523! =5)! 8 8 &34=>2! 4>; 8 93! 4<*9! *; @! *5! 2>327 C2<2! <2@+4;>=02! 9>=5&X+27! 3; <A=423(! 04P!K>; 8 93!+5!0*9!X+27!*A!0C2!=<2=!3C*75!LF!0C2!7C+02!<24@=51>2!+5!0BP/!!

+K'L-308;@015C>'%0B5;71"

J050)9?: 7-&'3)?'0)M2-,2+&'3)M#'O&,&#'\$'

 $H * \emptyset + 2 !! A + > = 8 25 \emptyset * ; 3! 4 * 52 \& A * < 8 + 51! 4 F = 5 * L = 4 \emptyset 2 < + = ! 7 2 < 2! 25 < + 4 C2) ! LF ! 32 < + = > ! C = < X23 \emptyset + 51! = 5) ! 4 ; <math> \%$; < + 51! * A! $4 * 523! + 5! = ! 8 *) + A + 2) ! K = 3 \emptyset 25 C * > _! 8 2) + ; 8! ? ! e - Qf"! = 3! 7 2 > ! = 3! LF! @ C2! 32 > 24 \emptyset + 5! * A! @ C2! A = 3 \emptyset 23 \& A > +) + 51!$ $A + > = 8 25 \emptyset 3! e \$ 6 f / ! J C 232! * < 1 = 5 + 3 8 3! 7 2 < 2! +) 25 \emptyset + A + 2) ! = 3! 4 F = 5 * L = 4 \emptyset 2 < + = ! ; 3 + 51! - ZG! < WVD! 32a ; 25 4 23! = 5) ! KC > !$ $?! = ; \emptyset * A > ; * < 2342542! 0) 234 < + L2) ! + 5! 8 * < 2!) 2 \emptyset = + > ! + 5! e \$ 6 f ! = 5) ! B > 24 \emptyset < * 5 + 4! G ; 99 > 28 25 \emptyset P / ! J C2! 8 2) + ; 8! 7 = 3!$ $2a ; + > + L < = \emptyset 2) ! 7 + \emptyset C! = 5! = 5 = 2 < * L + 4! = 08 * 39 C 2 < 2! 0' . k! V #"! % k! K d#$

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

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

-\$/ [>=552<F"!?/J/(! =>02<"!H/W/!D<4C2=5!0;A02)!8+4<*L+=>!8=03!=5)!0C2!c<2=0!dU+)=0+*5!BX250,!V27!+53+1C03!+50*!=5!+250!9<*L>28/!*2\$,+?-0)Z0)O?+,=)9%0!!"#!"!8Y"!-g--/!

- -6/ J+42"! H/(! JC*<50*5"! ?/K/d/(! E*92"! H/K/(! d>3_273T+"! J/?/(! c*51"! Y/! B= \Leftrightarrow F! 8+4<*L+=>! 4*88;5+0+23/!*''20). "/0)0?+,=)<-?'",0)9\\\0)!"##"!JY"!#'\0g\$-'/'

- $-Q/ R*3=T"!\ J/(!\ S+=51"!\ R/(!\ G+8"!\ H/G/(!\ E20<*AA"!\ D/E/$

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

6]/ p+>=5;2X="!S/(!)2>!K=89*"!w/(!c;2<<2<*"!W/!?+X2<3+@F!=5)!9CF3+*>*1F!*A!9*>FCF)<*UF=>T=5*=@2&9<*);4+51!=5)!)21<=)+51!3@<=+53!+5!8+4<*L+=>!8=@3/!FOR9)R&%+#;&#-@)O%#-@!!"#""!KS"!6#g%6/!!

- 6'/ ?+4T3"! w/H/(! D30*5"! \/w/(! ?=X+3"! ?/(! J;<52<"! D/E/[/! H2)+=02)! = 892<*820<+4! L+*3253*<! A*<!! ?&1=>=40*32"! 1>F4*>=02"!=5)! S&= 8+5*!=4+)3! L=32)! *5! A2<<*4252&8*)+A+2)! 4=<L*5! 9=302! 2>240<*)2/! *'?-0)M=&:0)*%, ?!#[Z)"!5V("!-.\$g--#/!
- %./ V2>3*5"! ?/K/(! w=55=34C"! `/\/! KC28*=;0*0<*9C+4! 1<*70C! *A! =! 8 =<+52! L''33&?,#?! +5! 3;>A+)2! 1<=)+250!4;>0;<23/!*+%=0)R&%+#;&#-0!#[**Z**+"!5JX"!#Z#g#Z'/!
- %-/ E+2<3*5"! R/o/(! K=3025C*>_"! W/ \ /! D! 9C*0*0<4! 1>+)+51! A+>= 8 250

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