```
! ''#$%&'#()*+,* - +.+&/0+*/(*1+2.0%&*
                                    3 % 4 / & (5 %''(*+,*67+''+5 #7'*
 "#$%&! '#()*!+),-*)!
                                               . + / 0!11213!4556(-,!7(8#$-8$*$9-:#(8;<!=)66!>?>2!
                                                                              CD66)@B;!)*,!C8E-,B6-!
 @\#()*\&8), -*) A 8$6$\#), $\&-, B!
FG?GH!2I>JKI?1!
                                                                   / %%(8-!O$B#;3!PPE!03G?JG3??!" 7!
 L - @;(:-3!+)*M);!
                                                                                    .8$*$9(8;!>?1R!!
E::5:3NN8)*M): &8$6$#).$&-.BN!
!
                                        - +2&'%*3%'7&#4(#+''8*
C:B, -*:;!SE$!)#-!;B88-;;\\B6!(*!:E(;!8\$B#;-!S(66!\@-!S-66J5#-5)#-,!:\$!8\$*,B8:!-95(#(8)6!#-;-)#8E!
)8#$;;!)!@#$),!#)*T-!$%!%(-6,;<!)6:E$BTE!:E-!8)B;)6!(*%-#-*8-!:$$6;!S-!,(;8B;;!)#-!B;-,!9$;:!
%#-UB-*:6D!(*!:E-!)556(-,!9(8#$-8$*$9(8;!%(-6,;&!!PE-!8$B#;-!5#$M(,-;!)!VB;-#\";!TB(,-X!:$!9)*D!
8$ 9 9$*!-8$*$ 9 -:#(8!:-8E*(UB-;<!S(:E!)!E-)MD!\$8B;!$*!(956-9-*:):($*!)*,!(*:-#5#-:):($*&!! L -!
S(66!@-T(*!:E-!8$B#;-!S(:E!)!CP4P4!@$$:!8) 95<!UB(8Y6D!@-8$9(*T!%) 9(6()#!S(:E!:E-!;$%:S)#-!
5)8Y)T-!(*86B,(*T!5#$T#) 9 9(*T!:-8E*(UB-;!)*,!,):)!9)*)T-9-*:!;Y(66;\(\bar{\mathbb{l}}\)!! L -!S(66!:E-*!9$M-!
:E#$BTE!)!#)*T-!$\\!-8$*$9-:\(8!:\$5(8;<!9))Y(*T!;B\\-!:\$!5\\)8:(8-!-)8E!:-8E*(UB-!(*!CP4P4\\!
!
                                           9&\\&\\:2\\'\\(\\'\8\\\\
P$!-*#$66!(*!:E(;!8$B#;-<!D$B!9B;:!E)M-!)!S$#Y(*T!Y*$S6-,T-!$\\dagge!;:):(;:(8;!)*,!-8$*$9-:#(8;!
-UB(M)6-*:!:$!:E):!$@:)(*-,!(*!.+/0!K1Q1!)*,!.+/0!K1>1!!!
                                         -+2&'%*;/(%&#/.'8*
```

PE-#-!(;!*\$!#-UB(#-,!:-Z:@\$\$Y!\\\$#!:E(;!8\\$B#;-\<!)6:E\\$BTE!

```
./''>2/>%*(A/(*4/&(*+,*(A%*+&#>#''/.*4/4%&H/[!S(66!#-UB(#-!:E):!D$B!8$956-:-!)*,!)::)8E!:E-!
,-5)#:9-*:W;!)8),-9(8!(*:-T#(:D!8$M-#!;E--:!\\$#!:E-!);;(T*9-*:\\!
E::5;3NNS S S&8$6$#),$&-,BN-8$*$9(8;N;(:-;N,-%)B6:N%(6-;N)::)8E-,J
\%(6-;\mathbb{N})8), -9(8(*:-T\#(:D)T\#--9-*:\&5,\%!)
OA%*P#&'(*: #0(%&5*S(66!8$M-#!9):-#()6!%#$9!:E-!@-T(**(*T!$%!:E-!8$B#:-!:E#$BTE!6-8:B#-!$*!
/ 8:$@-#!>>\!!PE-!-Z) 9!S(66!:)Y-!56)8-!, B#(*T!)!*$#9 )6!86);;!9--:(*T!)*,!(;!:-*:):(M-6D!;8E-,B6-,!
%$#! / 8:$@-#!G0&!! \ $B! "#$$!%&'!E)M-!:$!,$!)*D!CP4P4!5#$T#) 9 9(*T!%$#!:E-!9(,:-#9&!![*;:-),<!:E-!
UB-::($*;!S(66!\$8B;!\$*!:E-!(*:-\#5\#-:):(\$*!)*,!(956-9-\*:):(\$*!\$\\!-\8E\*(UB-:\S-!E)M-!,(\;8B;:-\\!!
PE-!UB-;:($*;!S(66!:EB;!@-!M-#D!;(9(6)#!:$!:E-!(*:-#5#-:):($*!UB-;:($*;!);Y-,!$*!:E-!5#$@6-9!;-::\lambda!
\$B!9)D!)6;$!@-!);Y-,!UB-;:($*;!)@$B:!:E-!5)5-#;!:E):!S-!#-),&!
OA**@%7+''0*; #0(%& 5!S(66!@-!*$9(*)66D!8B9B6):(M-<!@B:!(:!S(66!%$8B;!E-)M(6D!$*!9):-#()6!
8$M-#-,!)%:-#!:E-!%(#;:!9(,:-#9&![:!S(66!@-!;(9(6)#!(*!%$#9):!:$!:E-!%(#;:!9(,:-#9<!)*,!(:!S(66!:)Y-!
56)8-!, B#(*T!$B#!*$#9)6!6-8:B#-!:(9-!(*!:E-!6);:!86);;!9--:(*T!$\\!:E-!5-\*B6:(9):-!S--Y!\\\!86);;-;\&!
P#''/.*Q%((%&*=&/0%'!S(66!@-!)!S-(TE:-,!)M-#)T-!$\\!-)8E!$\\!:E-!\$$95\$*-\*:;\!6(;:-,!)@\$M-\\!!\\#(\$\\!)
:E(:!6-M-6!8\$B6,!#-):\$*)@6D!@-!-Z5-8:-,!:\$!)::)(*!!
R &#(#"'>8!"6-);-!*$:-!:E):!:E(;!8$B#;-!#-UB(#-;!)!T#-):!,-)6!$\\!S#(:(*T\\!PE-!T$)6!$\\!:E-!8$B#;-!(;!:$!
5#-5)#-!D$B!:$!8$*,B8:!)*,!'&!(&)) */#(+',!+-&*'!$#(T(*)6!#-;-)#8E!B;(*T!)556(-,!
9(8#$-8$*$9(8;&!4;!D$B!S(66!;$$*!\(*,<!:E-!S#(:(*T!)*,!8$99B*(8):($*!8$95$*-*:;!$\\!)556(-,!
-8$*$9-:#(8!:)#-!):!(95$#:)*:!);!(95$#:)*:!);!:E-!)8:B)6!-8$*$9-:#(8!;Y(66;\![*!T#),(*T!5)5-#;<!-Z)9:<!
)*,!5#$@6-9!;-:;<![!56)8-!;B@;:)*:()6!S-(TE:!$*!;:B,-*::\\!)@(6(:D!:$!8$*M-D!:E-(\text{#!B*,-\text{#}:})*,(*T!
)*,!(*:-#5#-:):($*!$\\!:E-!9-:E\$,\$6\$T(-;!)\*,!\#-;\B6:;\\!!
```

!		

*

 $! "\#\$\%\&""()\&\$(*)\#, "-().\%(.\%"/0\&'12,\%(*0.(3)1\&")1\&1\&4()\&()//.O/.1)"\%(,\%).\&1\&4(\%\&51.O\&3\%\&"(1\&(),,(1\&'".\#+"10\&),('\""184'6(78\%"8\%.(1&(/\%.'0&6(.\%30"\%(0.(0&,1&\%(:)1,\#.\%("0()\$8\%.\%("0('\#+8(2\%8)510.),(''")\&\$).\$'(3)-(2\%('\#2,\%+"("0(\$1'+1/,1&\%(<.0*\%''10\&),(+0\#."\"'-()\&\$('\%&'1"151"-().\%(\%'/\%+1),,-(13/0.")\&"(71"8(.\%'/\%+"("0(1&\$151\$\#),'()&\$("0/1+'(\$\%),1&4(71"8(.)+\%(+0,0.6(\&)"10&),(0.141&6('\%=6(/.\%4\&)\&+-6()4\%(\$1')21,1"-6(+.\%\$6(.\%,1410&6('\%=\#),(0.1\%&")"10&6(4\%&\$.(1\$\%\B*1"-6(4.\%\$\%\B*1"-6(4.\%\$\%\B*1"-6(4.\%\$\%\B*1"-6(4.\%\$\%\B*1"-6(4.\%\$\%\B*1"-6(4.\%\$\%\B*1"-6(4.\%\$\$\%\B*1"-6(4.\%\$\$\%\B*1"-6(4.\%\$\$\%\B*1"-6(4.\%\$\$\%\B*1"-6(4.\%\$\$\%\B*1"-6(4.\%\B*1"-6(4$

[%!D\$B!E)M-!)!:-95\$#)#D!(66*-;;<!(*aB#D!\$#!#-UB(#-,!9-,(8)6!(;\$6):(\$*!\\$#!\$E(8E!D\$B!#-UB(#-!),aB;:9-*:

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

+ '!' \$B6, $-\#!(;!8\$99(::-,!:\$!\%\$;:-\#(*T!)*!(*86B;(M-!)*,!S-68\$9(*T!6-)\#*(*T<!S\$\#Y(*T<!)*,!6(M(*T!-*M(#\$*9-*:\!)*(M-\#;(:D!5\$6(8D!5\$E(@(:;!)*))*).$

)8), -9 (8!\$#!,)(6D!6(%-<!56-);-!8\$*:)8:!+\$B*;-6(*T!)*,!";D8E():#(8!C-#M(8-;!F+4 "CH!6\$8):-,!(*!+2+!\$#!8)66!FG?GH!2I>J>>KK<!>2NK&!!