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"#$!%&'(&)$!*+!)#$!,-$./($')/&0!"&.1!2*-3$!*'!456/)78!9/:$-./)78!;'306./*'!&'(!<33$../=/0/)7!>,"2?49;<@!/.!)*!6'($-)&1$!3*'.60)&)/:$!&'(!3*00&=*-&)/:$!$'A&A$%$').!B/)#!)#$!C'/:$-./)7!*+!D&0A&-7E.!>CD&0A&-7@!-$F-$.$')&)/:$!=*(/$.!&'(!B/($-!6'/:$-./)7!3*%%6'/)/$.8!3*'(63)!&'(!&'&07G$!/')$-'&0!&'(!$H)$-'&0!-$.$&-3#8!&'(!&'&07G$!56&0/)&)/:$!&'(!56&')/)&)/:$!49;!(&)&!&'(!-$0$:&')!%&)$-/&0.!/'!*-($-!)*!3*?3*'.)/)6)$8!&'(!%&1$!-$3*%%$'(&)/*'.!)*!)#$!,-$./($')!*+!C'/:$-./)7!*+!D&0A&-7!+*-!&(*F)/*'!*+!&'!/'.)/)6)/*'&0!49;<!.)-&)$A78!&3)/*'!&'(!/%F0$%$')&)/*'!F0&'8!&'(!-$0$:&')!.7.)$%.!&'(!F-*3$..$.!+*-!%*'/)*-/'A!F-*A-$..8!/%F&3)!&'(!-$F*-)/'AI!

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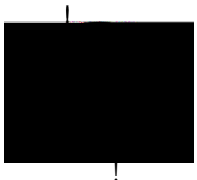

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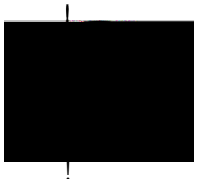

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4'.6-$!)#$!/'.)/)6)/*'&0!A*&0.!&'(!F-/*-/)/$.!3*''$3)!)*!+&360)/$.8!.3#**0.8!/'.)/)6)$.8!&'(!&(%/'/.)-&)/:$!6'/).I!

;($')/+7!*FF*-)6'/)/$.!+*-!)#$!3&%F6.!3*%%6'/)7!)*!0$&-'!&'(!B*-1!)*A$)#$-!)*!&%$0/*-&)$!3*'(/)/*'.!*+!(/.&(:&')&A$!$HF$-/$'3$(!=7!%$%=$-.!*+!$56/)7!($.$-:/'A!A-*6F.!"#$%&''#()!*&+!#,+!%"-"+.'!+,!/,-.#)!0#''(.#,&1!2.,2%.1)!34$"4%"5.'67"1"*%.!-"#,3"+8!2.31,#1)!2.31,#1!/"+9!''14*"%"+".1)!4#'!:;<=>?@A!2.31,#1B!

;($')/+7!*FF*-)6'/)/$.!)*!3-$&)$!&!360)6-$!&'(!30/%&)$!*+!&33$..8!*FF*-)6'/)7!&'(!$56/)&=0$!F&)#B&7.!/'!/9"$9!4%%!--.*.31!,C!+9.!$4-2&1!$,--&#"+8!$4#!C%,&3"19B!

D-$&)$!*FF*-)6'/)/$.!+*-!F-*+$../*'&0!($:$0*F%$')!&'(!3*')/'6*6.!0$&-'/'A!)*!$%=$(!)#$!3*%%/)%$')!/'!/'.)/)6)/*'&0!F-&3)/3$.8!F*0/3/$.8!&'(!F-*3$..$.I!

;($')/+7!*FF*-)6'/)/$.!+*-!A$'$-&)/'A!3*6-.$!3*')$')!)*!/'3-$&.$!49;!$(63&)/*'!&'(!0/)$-&37!&)!)#$!CD&0A&-7I!

;($')/+7!*FF*-)6'/)/$.!+*-!/')$A-&)/'A!49;!/'!-$.$&-3#8!/'306(/'A!)*!%&1$!:/./=0$!/'!:/./=0$!/'$56/)/$.!&'(!:*/3$.!/')#$!-$.$&-3#!$3*.7.)$%I!

9-&B!*'!-$.$&-3#!)*!-$3*%%$'(!)#$!=$.)!'*%$'30&)6-$!>$IAI!49;<8!49;9!T$56/)78!(/:$-./)78!/'306./*'!&'(!($3*0*'/G&)/*'U8!;94<!T/'306./*'8!(/:$-./)78!$56/)7!&'(!&33$../=/0/)7U8!V49;!TS6.)/3$8!$56/)78!(/:$-./)78!&'(!/'306./*'U@8!.)-63)6-$8!/'+-&.)-63)6-$8!+&3/0/)/$.8!&'(!(!=$))$-!&'(!F-*%/./'A!F-&3)/3$.!+*-!&3#/$:/'A!49;<!/'.)/)6)/*''?B/($!&'(!&)!)#$!0$:$0!*+!+&360)/$.8!.3#**0.!&'(!&(%/'/.)-&)/:$!6'/).I!

D*%F0$)$!)#$!'$B!49;<!.)-&)$A7!&'(!&3)/*'!&'(!/%F0$%$')&)/*'!F0&'.8!.*0/3/)8!&'(!/'3*-F*-&)$!+6-)#$-!+$$(=&318!&'(!-$+/'$!&'(!+/'&0/G$I!

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"*!*F$-&)/*'&0/G$!)#$!'$B!49;<!.)-&)$A/3!F0&'8!/($')/+7!)#$!/%F0$%$')&)/*'!.)-63)6-$8!-$.*6-3$.8!&'(!F-*3$..$.!+*-!.#*-)?8!%$(/6%?8!&'(!0*'A?)$-%!&3)/*'.8!&'(!+*-!-$A60&-07!%*'/)*-/'A!&'(!6F(&)/'A!)#$!49;<!.)-&)$A7I!"#$!"&.1!2*-3$!&'(!B*-1/'A!A-*6F.!.#&00J!

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4'A&A$!/'!F-/*-/)/G&)/*'!$H$-3/.$.!)*!$.)&=0/.#!.#*-)?!>O?W!7$&-.@8!%$(/6%?

4'.6-/'A!&3)/*'!/)$%.!&-$!&3)$(!*'!&'(!-$.60).!-$F*-)$(!=&31!)*!)#$!"&.1!2*-3$!D*?D#&/-.!&'(f*-!*-1/'A!Q-*6F!^$&(>.@I!

<(:/./'A!*'!)#$!.$0$3)/*'!*+!%$$)/'A!)#$%$.8!)/%$.8!&'(!(&)$.I!

D*'.60)/'A!B/)#!%$%=$-.!/'!)#$!F-$F&-&)/*'!*+!%$$)/'A!&A$'(&.I!

,-$F&-/'A!&'(!3/-360&)/'A!-$0$:&')!%&)$-/&0.!+*-!%$$)/'A!&A$'(&!/)$%.!/'!&!)/%$07!%&''$-!)*!,"2?49;<!R$%=$-.I!

4'.6-/'A!%$$)/'A!%&)$-/&0.!&'(!%/'6)$.!&-$!3-$&)$(8!&33$../=0$8!&-3#/:$(!+*-!)#$!*'A*/'A!B*-1!*+!)#$!,"2?49;<!D*?D#&/-.8!%$%=$-.8!&'(!.6FF*-)!)$&%I!

D*'.60)/'A8!&.!'3..&-78!B/)#!-0:&')!*++/3$.!($$%$(!'$3$..&-7!)*!6'($-.)&'(!49;<!&'(!