"

#$%#"&' (")"$*+,"&-(."/01!2!341"$301056"

,611479":",;<!=5">?>?"@"("A<BC!29"
DE"(.(?"20"-.-F"G4H46B22B"G>??"
"

I4<14="D0<BJ089B"
I4<14=KD0<BJ089B L 8MNKBC8"
%HH!3B.">?0"%1C"D!11"
%HH!3B"I08<9."D)P"&&.(?4N"20"&>.-F;N("0<"76"4;;0!=2NB=2

A08<9B"RB93<!;2!0=."

SJ!9"308<9B"BT;10<B9"J0U";01!2!39"9J4;B"08<"8=CB<924=C!=59"OH"4=C"!=2B<432!0=9"U!2J"M4<!089"H0<N9"4=C"!CB49"OH"=428<BK"V6"U46"OH"2JB0<B2!341"!=W8!<6"4=C"349B"928C6"4=4169!9X"2JB"308<9B"OHHB<9"!=9!5J2"!=20"2JB"30N;1BT"<B142!0=9"7B2UBB="=428<B"4=C"903!B26"4=C"!=2<0C83B9"928CB=29"20"YB6"30=3B;29"!="2JB"H!B1C"OH";01!2!341"B301056K""

"

SJ!9"308<9B"<B1!B9"0="4="!=2B<C!93!;1!=4<6"4;;<043J"20";01!2!341"4=C"B301051341"!998B9X"C<4U!=5";<!N4<!16"H<0N"5B05<4;J6X"4=2J<0;0!056X"4=C"B=M!<0=NB=241"2JB0<6K"Z="<B305=![!=5"2JB"8<5B=36"OH"2JB"30=2BN;0<4<6";01!2!341:B301051341"N0NB=2X"2J!9"308<9B"4!N9"20"92<!YB"4"74!4=3B"7B2UBB="2JB0<6"4=C"4;;1!342!0="!="0<CB<"20"=02"0=16"2J!=Y!2J<085J"!NNB=9B"B=M!<0=NB=241"3J411B=5B9X"782"4!90"20"3<4H2"!=2B<MB=2!0=9"20U4<C"\892"4=C"BW8!2471B"B=C9K"A08<9B"N42B<!419"<BH1B32"2JB"U!CB:<4=5B"OH";01!2!341:B301051341"30=3B<=9"49"UB11"49"2JB"C!MB<9B"4;;<043JB9"20"8=CB<924=C!=5"2JBNK"SJB"H0<N42"OH"2J!9"308<9B"!9"4"1B328<B:C!93899!0="J67<!CK"

aBN4!=!=5"<B4C!=59"U!11"7B" ; 092BC"!="C!5!241"H0<N42"0="V143Y704<C\"P<0N"2!NB"20"2!NB"Z"U!11"4190" ; 092"4"W8B92!0="0<"9B2"0H" 20 ; !39"Z_C"1!YB"608"20"H0389"0="49"608"<B4C\"e08"4<B"BT ; B32BC"20"24YB"CB24!1BC"=02B9"0="B43J"0H"2JB"<B4C!=59"4=C"20"YBB ; " 2JB9B"=02B9"J4=C6"H0<"2JB"C8<42!0="0H"2JB"308<9B\""

`99B99NB=2"#8!CB1!=B9"b , ; B3!H!3"!=92<832!0=9"4=C"<87<!39"U!11"7B" ; 092BC"!="V143Y704<Cc"

A08<9B"#<4C!=5f"
`g."h ' :&?? i ℚ" ` ."h (:h j\h i ℚ" ` :."h?:h>\hℚ"Vg."0 ' :0h\hℚ"V."0 (:0 j\hℚ"V:."0?:0>\hℚ""
Ag." ' ' : ' h\h i ℚ"A." ' (: ' j\h i ℚ"A:." ' ?: ' >\h i ."Rg." j ' : j h\hℚ"R." j (: j j\hℚ"R:." j ?: j >\h."P."7B10U" j ? i "

f & '5, . , /!+*)) *5(0", 28CB=2"B4<=!=5"4"Rg"0<"10UB<"!="3!499"U!11"<B3B!MB"4"U4<=!=5"1B22B<"9855B92!=5"2JB6"9BBY"082" U469"20"!N ; <0MB"2JB!<"U0<Y"0<"30=9!CB<"U!2JC<4U!=5"H<0N"3!499K"ZH"608"4=C"608<"4CM!90<"<B3B!MB"0=B"0H"2JB9B" 1B22B<9\" ; 1B49B"49Y"/<0H\"D0<BJ089B"H0<"499!924=3B"!="!N ; <0M!=5"608<"U0<Y\"
"
A!499"`22B=C4=3B"k"/4<2!3! ; 42!0=" " " " " " " " "">F" ; 29K"

!

#$%#"&' ("A08<9B",3JBC8!B",;<!=5">?>?"

*%S$.""SJ!9"!9"987\B32"20"3J4=5B"C8B"20"93JBC8!!=5"105!92!39"4=C"90!!3!2BC"928CB=2"!=;82K/

E BBY" R46" R42B" S0;!3" `99!5=NB=2" aB4C!=59"