

! "#\$%!

#\$%&'&()(*+(+,-)&.,/'&0!"2234"5(+/&67"89":(0;\$/<(;;!"=(+\$)">\$%?,!"#@"43A32"
5B\$),C" DDEFE4AF!E43"V8(HC" DDEFE4AF!I4J"V"KFL(&C"0,H%M;'%9,N%"V" B++O'C

4!9" *9" `B(?)?"Y9Y9"\\$B)'\$)!"W9@9"*\$B,;+\$)!"^9"-%!`a<ON/\$?,)"(N\$/0+\$)\$\$)\$\$/N,/N"()N"N&'\$/N,/N"5+F
[&"(;;\$0'lc"OI@,k - ". /,"CDCD!"4F!"4 ! IF4D49"
"
439" *9" =,/6B(7,/F>()?(+Bl" _9" `B,)?"b9"=,/()\$.g!"Q9" d\$/7B+(1">9]9" @6/,1" :9" *7g;(1" d9"
Q(+\$;h)!b9T9"5/&)6,!^9"-%!`a@N'\$/0+\$)"+/%6%/, "\$"(N,)k), \$"")6,/k%L"\$H&N,lc"=@@/,<>+#A,k
>*("CDCD!"DF<!"IE.00T!69
"
JV9" ^9" _&l" _9" TB,)?"^9"](\$!Q9"W(?)?"T(&!Q9"Q%kk&\$!K9"Y(.&N'\$)!"Z9"TB,)!"^9"\%)?"*9"*)!"^9"-%!`
_9" _&(!`a*+/(&),SS,6+&)"O(;;(N&%L")(\$'+/%6+%,'"(")(\$k0L,'lc"G"5I&H8..,"CDCD!"?<!"D.OED1463
"
JA9" *9<9" TB\$!"\9" b&L!"\9" <()!`Y9" #,,!`<9\9" b&L!"^9:9" b&L!"_9" TB,)?"^9"-%!`1" \9" #,,!`1" K9K9" b f \$)!`
a=&\$(;6\$B\$;"0/\$N%6+\$)"S/\$L"(6&N\$?,)&6"0/\$N%6+''.&("(+f \$F'+,0"0/\$6,'`@"6(',"+%NO\$\$U%+0/k6"(6&N"

"

EJ9" T9" `B(\$1" ^9" %!" a*&L%;(+,N"+,LO,/(%/, "O/\$?/(LL,N" N,'\$/O&\$)" \$S" (6,+(;N,BON,"\$)" T,Z" i!!!jC"

"

ID9" \9" ^ %! " ^ 9" _ %

"

D49" ^9" _%" !l" #9"*, L&N, OF

!D9" #9"] /(US f 1" ^9" %1" Q9" Q(./&7(7&'!1" a#(++&6,"+/(&)",SS,6+"\$)"TZ"\$H&N(+&\$)"\$)"5+i!!!jlc"C7%),&-789,&-789,&C7%),"CDDH!"M!"22JVF224I9"

" ! !9" ^9" %1" W9@9" *B,;+\$)! W989" *6B),&N,/1" aKSS,6+" \$S" O(/+&6;, " 'k, " \$)" +B, " \$H&N&k(U&,&O" \$S" O;(+&) %L" 6,%' +, /'lc"6,&C7%),&-789,&="CDDH!"33<"EA2VFEAIJ9"

" !39" ^9" %1" \9"] /,,;01" Q9" Q(./&7(7&'!1" aKSS,6+" \$S" '%U'/%S(6,"\$H0?,,)"\$)" +B, "/,(6+&. &O" \$S" +B, "@?i!!!j" '%/S(6,lc"6,&=9,&-789,&>I*&CDDI!"3?E!"DAD2F!DAD49"

" V9" Y9T9" 8\$/N! ^9" %1" Q9" Q(./&7(7&'!1" a@+\$L&6"()N" L\$;,6%;(/"(N'\$/O&\$)"\$)"5+i!!!jlc">+##A,&>*("CDDI!" DME1"!EVF!4I9"

A9"

D9" $\frac{\wedge 9" \%-!Q9" *B($!Q9" Q(. /&7(7&'1">9>9" @Nk&6!a>, 6,) + "N, ., ;$OL,) + "'&)" + B, ", ;, 6 + /$6(+;0'&"$S" + B, "Z" /, N%6 + $)"/, (6 + $)lc"&)" ! + 8/& - 8//& - ".%")()S&=&>#A" *8& >*(85 *8& = @#I" *7t", N" Q9 : 9Q9" b $0, /"W& ;, 01" CDDF9"$
!"
!9" $\frac{\wedge 9" \%-!W9@9" *B, ;+$)!"W989" *6B), &N, /"a : B, $/, +&6(; ('0, 6 + $"$H&N, "0(/+&6;, "+(U&,&+O" ()N"6B, L&6(; /, (6&.&+01c"&)" >%5.78)()lC#I@8#. (8)l"5$& = @/(*". (15)lIA&UR($8&G"519". 8#(")t", N9" \9@9" >$N/&?%, k"Q9" 8, /)g)N, kF] (/6h('!W& ;, 01" CDDG9"$
!"

P(6'-%8+Q)*L&+
22" a : B, \$/, +&6(;&) . , '+&?(+&\$)"\$S" + B, "+, L0, /(+%/ , FO/\$?/(LL, N"/, (6&.&+0" \$S" (6, +&6" (6&N" \$)" T, Z" i ! ! jlc" *OL0\$'&L" \$)" = /N?&)??" *%/S(6, " *6&,)6, " +\$" T(+;0'&'1" DJE&" @L, /&6(" TB, L&6(; *\$6&, +0" i@T*j" [(+&)(; Q, ., +&) ?!R)N&() (0\$;& l"32PD3D29"
!"
2D9" a : B, \$/, +&6(;&) . , '+&?(+&\$)"\$S" 6, /&(" (" ?,), /(" N, F, '+, /&S&6(+&\$)" 6(+;0'&lc" @T*

Q,,,&)?"[, f "Z/;,() '!"32PD3!A9"
 "
 D39" aQ,6B()&'&6" &)'&?B+'' &)+\$")\$)F(o%, \$%'" L,+(;FZ" /,N%6&\$)" /,(6&\$)'lc" Y,0(/+L,)+" \$S" TB,L&6(;
 K)?&),,/)&?"-)&.,/'&0"\$S"*\$%+B"T(/\$;&)(!"3DPD3!49"
 "
 !V9" a:B,\$/,&6(;&).,'&?(&\$)"\$S"+B,"/, (6&. &+0"\$S"6(/U\$)0;"6\$LO\$%)N'"\$)"T,Z"i!!!jlc" *0LO\$'&%L" \$)"
 K;%6&N(&\$)"\$S" Q,6B()&'L'" ()N" b&),&6'" \$)" *%/S(6, 'l" DE!"@T*" [(&\$)(;" Q,,,&)?!"*(;" Y&, ?\$!"
 32PD3!J9"
 "
 !A9" aQ,6B()&'&6" &)'&?B+''\$\$/O/\$0(),"LL\$H&N(&\$)"\$..,"Q\$FdF:,F[U" L&H,N" L,+(;\$H&N,"Q!"OB(',"S/\$L"
 N,) '&+0" S%)6&\$)(;" +B,\$/0lc" *0LO\$'&%L" \$)" *%/S(6,"TB,L&'+/0" ()N" T(+;0'&'" \$S" :/()'&\$)" Q,,+("Z
 H&N,'l"DE!"@T*" [(&\$)(;" Q,,,&)?!"*(;" Y&, ?\$!"32PD3!J9"
 "
 !49" a:B,\$/,&6(;&).,'&?(&\$)"\$S"+B,"SHO?,)" /,N%6&\$)" /,(6&\$)" &)" #&FZ" U(++,/,&,'lc" *0LO\$'&%L" \$)"
 @00;&6(&\$)"\$S" T\$LO%+(&\$)(;"TB,L&'+/0"S\$/K),/20"()N"8%,;"5/\$N%6&\$)l"DE!"@T*" [(&\$)(;" Q,,,&)?!"
 *(;" Y&, ?\$!"32PD3!J9"
 "
 !J9" aT\$LO;,L,,&)?%" /%S(6,"'6&,)6," ,HO,/L,,)+" f&B" +B,\$/0" S\$/N,+(&;N" %)N,/'+(;)N&)?%" \$S" '%/S(6,"
 /,(6&. &+0" \$S" T,Z"i!!!jlc" Y,0(/+L,)+" \$S" TB,L&'+/0" 5BO'&6(; TB,L&'+/0" *,L&)(/!"
 "

J9" a -)N,/ '+()N&)??"%/S(6,"6B,L&'+/O"S\$/",),/?0"(00;&6(+&\$)'"&("S&/'+FO/&)6&0;,,"6\$LO%+(+&\$)1c"*6B\$\$;"\$S"
K),/?0l"K).&/\$)L,)+(;!"=;&\$?&6(;u"Q,N&6(;K)?&),,/l)?!"-)&.,/'&0"S"T&)6&))(+&l"32PD3!9"
"

E9"

"
EV9" aQ ,6B()&'&6" &) '&?B+ " &)+\$" \$HO?,)"/, N%6&\$)"/, (6&\$)'" &)")\$)F(o%, \$%" L ,+(;F(&/ U(+, /&, 'lc" ^9" ^ B()?!" _9" ^ B()?!" \9" W()?!" *9" Q(!" #9"] %\$!?" *9" >(f(;! W9T9" Q6b , ,!?" ^9" _%1" ^9" 5 ,)?!" DEI%" @T* [(+&\$)(;" Q , ,+&) ?!" W('B&) ?+\$) !" 3APD3 !49"

"
EA9" aQ ,6B()&'&6" &) '&?B+ " &)+\$" \$HO?,)"/, N%6&\$)"/, (6&\$)'" &)")\$)F(o%, \$%" L ,+(;F(&/ U(+, /&, 'lc" ^9" ^ B()?!" _9" ^ B()?!" \9" W()?!" *9" Q(!" #9"] %\$!?" *9" >(f(;! W9T9" Q6b , ,!?" ^9" _%1" ^9" 5 ,)?!" D2 !%" KT*" Q , ,+&) ?!" [, f" Z/;, () !" 3EPD3 !49"

"
E49" aK)B()6,N" ,;,6+/\$6(+(;0+&6" TZ."/,N%6&\$)"\$)+B&\$;FS%)6+&\$) (;&k,N" ?\$;N|c" ^9" 8()?!" _9" TB,) ?!" ^9" _%1"

"

II9" a:B,\$/,+&6(")&. ,'+&?(+&\$)"\$S"6(+B\$N,"L(+,/(&"S\$/"(;+,/)(+&. ,";+B&%L"U(+,/(&, 'lc"] 9b959"Y(+B(/l" W9@9"

" Q,,,&)?"!Q&)),(0\$;&'!"!3PD3! !9"
" DV9" a@" \$&/'+FO/&)6&O;, '" '+%NO" \$\$" Z"/,N%6&\$)" UO";&+B&%L" \$" L,+(;(" ()N" 6(/U\$)" '%/S(6,'!c" ^9" _%1" W9@9"
" *B,;+\$)!"Y&.&'&\$)"\$S"8%,;"TB,L&'+/0!"DID*("@T*" [(+\$)(;"Q,,,&)?!"Y,),./!"3APD3! !9"
" DA9" a@o%,%%'FOB(',"BON/\$?,)(+\$)"\$S"(6,+&6"(6&N\$"")L\$)\$L,+(;;&6"6(+();0+'X"@"6\$L U&),N",HO,/L,)+(;"
" ()N"+B,\$/,+&6(" '+%NO!c"<9"Z;6(OI"#9" _%1" ^9" _%1"] 9W9"<%U,/!"DD*(" [@T*"Q,,,&)?!"Y,+\$&+!"3JPD3! !9"
" D49" aKHO;\$/&)??"?/(OB,),"L\$&/qF'%OO\$/+,N"6;%'+,/"('("), f"6(+();0+&6" L(+,/(&O;(+\$\$/L|c"Y9W9"] \$\$NL()!"
" #9"##%1" ^9" `B\$%1"89"] (\$!"#9"*,L&N,OF8;,6B(!" ^9" _%1"Y9":,)?"!Y9*9" *B\$;;"!59" *0/%) ?,/!"W9"5;%LL,/!"
" K),/?0"8/\$)+&,"/">>,',(/6B" T,),+,"*%LL&+"()N"8\$/%L1"W('B&)?+\$)!"3EPD3! !9"
" DJ9" a@" \$&/'+FO/&)6&O;, '" '+%NO" \$\$" Z"
" !D"

"

!29"

5,)))*+(+,-T8K>C" T\$/,"T\$LO,+,)60"@N.&'\$/0"=\$(/N"iD3!Vj9"
J8K(8N8#
\\\$/();'6,C7%),-789,T6,-789,C7%),T6,-789,=5;8N,-789,05.,:\$(.,T6,=9,
-789,>I*,T>+#A,>*(,T=@@/,>+#A,>*(,T6,>-."/,T=->,-".",/,-789T=@@/,>-.",/,-
01\$%"01@,,-".",/,-".",/,>*(,08*751,/05\$,,:5;,-789,J8),G"51:58#;%T:/8*,#I*789,=*.T
C7%),J8K,H8.,G".+#8,-199+5,TG".+#8,-789,TG".+#8,-".",/,-19@,B".8#,,>*(,=**I+5.)-789,
J8),T=@@/,C7%),H8..,"