









89: ;' TH5#GA#&E%'Te#%JG,'S%\$#&'C\* / / 5&#1VK'(%&@S%\$#&Z'LA,&\$1'M\*) / %\$#\*&2'U,G#E#\*&2'%&A'  
I\*?#%G'h5"\$#?,' 3 \*7, / ,&\$''#&'C#7#G@U#E<\$''D)%' 3 #GF%5Q, ,2V' (, ", &\$,)2'S%\$#&\*'I\$5A#, ""

0#"\$\*)1' ! ""\*?#%\$#\* &'%&A'\$<, '> \*)Q#&E@

89:`` - ,.%)\$ / ,&\$'+0#"\$\*)1'C\*&+,),&?, 'W)%7,G'I?<\*G%) "<#.2'6&#7,)"#S1'+> #'?\*&"#&@  
3 %A#"\*&='  
89:`` C\*GG,E,'\*+'S,\$\$)"'k'I?#,&?, 'C\* / / 5&#S1'+Y)%A5%\$, 'U, ",%)?<'I?<\*G%) "'M,GG\*F"<#.2'  
6&#7,)"#S1'+> #'?\*&"#&@ 3 %A#"\*&='  
89:`` ! / ,)#?%&'C%\$<\*G#?'0#"\$\*)#?'G' ! ""\*?#%\$#\*&'Y)%A5%\$, 'I\$5A,&\$'I5 / / ,)'U, ",%)?<'Y)%&\$='  
89:`` ! / ,)#?%&' ! ""\*?#%\$#\*&'\*+'0#".%&#?' "#&'0#E<,) 'DA5?%\$#\*&'2'L&?='Y)%A5%\$, 'M,GG\*F"<#.2'='  
89:d' I / #<"\*&#%&'L&"\$5\$#\*&'S%\$#&'\*+'3 5",5 / 'I\$5A#, ""(\*)E)% / 'M,GG\*F"<#.2'='  
89:d' (5JG#?'05 / %&#S#, ""DZ?<%&E, 'Y)%&\$2'C,&\$,)+\*)'\$<,'05 / %&#S#, "2'6&#7,)"#S1'+> #'?\*&"#&@  
3 %A#"\*&='  
89:8' C<%&?,GG\*)a""H\*)A,)G%&A""M,GG\*F"<#.2'6&#7,)"#S1'+> #'?\*&"#&@ 3 %A#"\*&='  
  
8988' 6&#\$,A'3 #E)%&\$'b..\*)\$5&#S1'I,)7#?, ""]6 3 b I^'0#".%&#?' 3 %&'\*+'\$<,'P,%)2'> #'?\*&"#&='  
89:;' > #'?\*&"#&'M%#<'e\*#?', ""+\*)'h5"\$#?', 'e\*#?', '+\*)'h5"\$#?', '! F%)A2' 3 %A#"\*&'2'> #'?\*&"#&='  
89:;' I f'I, '(5,A, '89:;'K'> #'?\*&"#&'3 \*"\$' (\*F,)+5G'S%\$#&'\*+'2' 3 %A#"\*&'c`d='  
89:R' C,&\$)\*'0#".%&\*'LGA%'C\*&\$,)"#W<\* / %""C\* / / 5&#S1'S,%A,)"<#.2' ! F%)A2' 3 %A#"\*&'2'  
> #'?\*&"#&='  
89:R' - ,.%)\$ / ,&\$'+0#"\$\*)1'3 ,)#\$\*)#\*5""I,)7#?, '! F%)A2'6&#7,)"#S1'+> #'?\*&"#&@ 3 %A#"\*&='  
89:d' H%,&'?<'(#g, '#&'> #'?\*&"#&'0#"\$\*)12'+\*)'TTh5&\$\*"" ,&',G'&\*/ J), 'A, ' - #\*"VK' 3 #GF%5Q, ,a"  
3 ,Z#?%&'C<% . ,G'+\*+'b5)'S%A1'+\*+'Y5%A%G5 . ,2':\_8B@:\_8\_2V' - ,.%)\$ / ,&\$'+0#"\$\*)12'  
6&#7,)"#S1'+> #'?\*&"#&@ 3 %A#"\*&='

\$ 8989@.),",&\$' I\*?#%G' 3 ,A#%' b++#?,)2'L / / #E)%\$#\*%'&A'D\$<&#?'0#"\$\*)1'I\*?#,\$1\$

' 898:@.),",&\$' M%?5G\$1' !A7#"\*)2'P\*5\$<'D / .\*F,),A'#&'\$<,'I\$)5EEG,'\'I\*G#A%)#\$1'##' !?#\*#&'  
898:@.),",&\$' M%?5G\$1' !A7#"\*)2'H%GG,\$'M\*GQGX)#?\*'+ 3%)45,\$\$,'6&#7,)"#\$1'



898c@.),",&\$' S\*?%G'0#"\$\*)1'DZ.,)\$%&'DA5?%\$#\*%&'C\*%'5G\$%&\$2'3 j D'U\*\*\$'K'W<,'  
- , / \*?)%\$g#&E'S\*?%G'0#"\$\*)1'()\*N,?\$2'C,&\$,)'+'6)J%&'U,,"%)?<2'W,%?<#&E'k'  
b5\$),%?<2'3%)45,\$\$, '6&#7,)"#1'  
8988@.),",&\$' H\*%)A'\*+'-#),?\$\*)"2'>#"?'\*%'#&'05 / %&#\$\$, ""  
8988@.),",&\$' !A7#"\$\*)1'H\*%)A2'S%J\*')0#"\$\*)1'U,"\*5)?,'()\*N,?\$2'j %G / %&\*7#g'L&#%\$#7,'+'\*)'  
S%J\*')k '\$<,'>\*)Q#&E'(\*\*)2'Y,\*)E,\$\*F&'6&#7,)"#1'  
8988@.),",&\$' C\*%'5G\$%&\$%'&'A'e \*#?,\*7,)'>\*)Q2'T>#"?'\*%'#&'H#\*E)%.<#,"K'U\*J,)\$\*0,)&m&A,g2V'  
(HI'>#"?'\*%'#&'DA5?%\$#\*%&'  
8988@.),",&\$' C\*%'5G\$%&\$%'&'A'0\*"2'TW<,'S\*\*Q'H%?Q'I,)#,"2V'(HI'>#"?'\*%'#&'DA5?%\$#\*%&'  
8989@.),",&\$' DZ,?5\$#7,'C\* / / #\$\$, , '%&'A'M\*5&A#&E'3 , / J,)'2'>#"?'\*%'#&'S%\$#&Z'0#"\$\*)1'  
C\*GG,?\$#7,'  
89: \_@.),",&\$' I\$%\$, '0#"\$\*)#?'(,),)7%\$#\*%&'U,7#,F'H\*%)A2'>#"?'\*%'#&'0#"\$\*)#?%G'I\*?#,\$1'  
89: ;@.),",&\$' !A7#"\$\*)1'H\*%)A2 >#"?'\*%'#&':9:K'b5)'0#"\$\*)1'#&'b JN,?\$""  
89: \_@898B' H\*%)A'\*+'-#),?\$\*)"2' e \*?,"'A,'G%'M)\*&\$,)%!' ?\$#\*%&2'>#"?'\*%'#&'  
8988@898c' C\*%'5G\$%&\$2'>#"?'\*%'#&'0#"\$\*)#?%G'I\*?#,\$1'0#"\$\*)1'C,&\$,)'

898B' TW<, '0#"\$\*)#?%G'S, E%?#, "'\*+L / #E)%\$#\* & #&' > #'?\*&"#&2V' ( ), ", &\$, )2' 3 %)45, \$\$, '6&#7, )"# \$1'  
(% "\$%)%G'S, %A, )"<#. '#&'% 'C5G\$5)%G' C\* & \$, Z\$' C\* & &, ?\$, A'CG, )E1' I, )#, "'2'H)\* \*Q+#, GA2'  
> #'?\*&"#&2'M, J)5%)1'd2'898c='

898c' T 3 #E)%&\$'M%) / F\*)Q, )' ! ?\$#7#'' / '#&' > #'?\*&"#&2V' ( ), ", &\$, )%&A'M% ?#G#\$%)2' e \*? , "'A, 'G%'  
M)\*&\$, )%' ! ?\$#\* & ' (\*G#\$?%G'W)%#&#&E2' 3 #GF%5Q, , 2' I, . \$, / J, )'c92'898c='

898c' TS%\$#&, '0, )#%\$E, ' 3 \* & \$<'C, G, J)%\$#\* & 2V' ( ), ", &\$, )2' 3 #GF%5Q, , 'C\*5&\$1'H\*%)A' \*+'  
I5. , )7#''\*)"'Y, &, )%G' 3 , , \$#&E2' I, . \$, / J, )'8: 2'898c='

898c' Th, "5""I%G%"K' SN\*5\*) '\$! . &3) '\$H\* \*Q' ( ), ", &\$%\$#\* & 2V' ( ), ", &\$, )2' > #'?\*&"#&'H\* \*Q'M, "\$#7%G2'  
3 %A#''\* & 2' I, . \$, / J, )'892'898c='

898c' T 3 %Q#&E' 0\* / , '#&'\$<, ' - %)#1G%&AK' 0#"\$\*)# , "'\*+S%\$#&\*"'#&' > #'?\*&"#&2V' ( ), ", &\$, )2'WD 3 ( b'  
\*+! 3 %A#''\* & 2'L&?2' I, . \$, / J, )': 82'898c='

898c' TS%\$#&Z'M, / #&#'' / 2V' ( ), ", &\$, )%&A'M% ?#G#\$%)2' e \*? , "'A, 'G%'M)\*&\$, )%' ! ?\$#\* & ' (\*G#\$?%G'  
W)%#&#&E2' 3 #GF%5Q, , 2' ! 5E5"\$ : R2'898c='

898c' TS%\$#&Z' I\$)5EEG, "'+\*)' ! &\$#? \*G\* & #G'h5"\$#? , 2V' ( ), ", &\$, )%&A'M% ?#G#\$%)2' e \*? , "'A, 'G%'  
M)\*&\$, )%' ! ?\$#\* & ' (\*G#\$?%G'W)%#&#&E2' 3 #GF%5Q, , 2'h5G1'8R2'898c='

898c' TS%\$#&Z' > #'?\*&"#&'K' 0#"\$\*)# , "'#&'S'J\*')%&A' 3 \*7, / , &\$2V' ( ), ", &\$, )%&A'M% ?#G#\$%)2' P\*5\$<  
D / . \*F, ) , A#&'\$<, ' I\$)5EEG, 'JPDiQ^M) , , A\* / 'I?<\* \*G2' 3 #GF%5Q, , 2'h5G1'8`2'898c='

898c' T 3 %Q#&E' 0\* / , '#&'\$<, ' - %)#1G%&AK'S%\$#&\* ' 0#"\$\*)# , "'#&' > #'?\*&"#&2V' ( ), ", &\$, )2' 6&#\$, A' > %1'  
\*+Y, )%, )' 3 #GF%5Q, , '%&A' > %5Q, "<'C\*5&\$12'h5G1' : \_2'898c='

898c' TH\* \*Q'S%5&?<'h, "5""I%G%"a"" SN\*5\*) '\$! . &3) 'CS>85\$D) ('\$I. 3\$<5/14&5 '\$)K\$(85\$  
=I \*M? ) \*O5\*\$ I )L5M5. (2V'M% ?#G#\$%)2' 3 #GF%5Q, , ' (5J#?'S#J)%12'h5&, ': R2'898c='

898c' TS%\$#&Z' 3 #GF%5Q, , '%&A' 0#"\$\*)#?%G' 3 , / \*)12V' ( ), ", &\$, )2' 3 #GF%5Q, , ' (5JG#?' 3 5" , 5 /  
C5)%\$\*)#%G2'U, " , %) ?<2'%&A'DA5?%\$#\* & ' I\$%++' I1 / . \*"#5 / 2' 3 #GF%5Q, , 2'h5&, ': B2'898c='

898c' TS%\$#&Z' > #'?\*&"#&'K' 0#"\$\*)# , "'#&'S'J\*')%&A' 3 \*7, / , &\$2V' ( ), ", &\$, )%&A'M% ?#G#\$%)2' e \*? , "'  
A, 'G%'M)\*&\$, )%' ! ?\$#\* & ' (\*G#\$?%G'W)%#&#&E2' 3 #GF%5Q, , 2' 3 %1'c: 2'898c='

898c' T b J, ) \*"#6&#A\* "K' ! 'C\* & 7, )"%\$#\* & 'F#\$<'h, "5""I%G%"2V' ( ), ", &\$, )2' ( , \* .G, '\*&'\$<, ' 3 \*7, '  
I, )# , 'K' I\$-h\* < &a''\* & '\$<, 'S'Q, 2' 3 #GF%5Q, , 2' 3 %1'82'898c='

898c' T 3 , Z#?%&"#&' > #'?\*&"#&2V' ( ), ", &\$, )2' I, ?\* & A' I%\$5)A%1'' I, )# , "2' I<, J\*1E% & 'C\*5&\$1'  
0#"\$\*)#?%G'U, " , %) ?<'C, &\$, )2' I<, J\*1E% & 2' > #'?\*&"#&2' 3 %) ?< : : 2'898c='

8988' T 3 #E)%&\$' > \*)Q, )"'#&' - \*\*)'C\*5&\$1a""C<, )1'b)?<%)A"2V' ( ), ", &\$, )2'C5G#&%)1' 0#"\$\*)1'  
D&\$<5""\$""\*+ > #'?\*&"#&2' e #)\$5%G2' b? \*\$J, )'d2'8988='

8988' TS%\$#&Z' > #'?\*&"#&'%&A' \$<, ' (\*G#\$?'\*'+L&\$, E)%\$#\* & 2V' ( ), ", &\$, ) [M% ?#G#\$%)2'W, % ?<#&E' ! J\*5\$'  
\$<, '8988'DG, ?\$#\* & "'C\* & +, ) , &? , 2' 6&#7, )"# \$1' \*+ > #'?\*&"#&@ 3 %A#''\* & 2' I, . \$, / J, )'8B2'8988='

8988' TM%#&<'%&A'L / #E)%&\$'L&\$, E)%\$#\* & '#&'\$<, ' 3 #AF, "\$2V' (%&, G#"\$2'C%\$<\*G#?'L / #E)%&\$'  
L&\$, E)%\$#\* & 'L&#%\$#7, 'C\* & +, ) , &? , 2'C, &\$, )'+\*)' 3 #E)%\$#\* & 'I\$5A#, "2' 3 #GF%5Q, , 2' I, . \$, / J, )'  
: c2'8988='

8988' T 3 %Q#&E' 0\* / , '#&'\$<, ' 0, )\$G%&AK'S%\$#&\*"'#&'\$<, ' 6=I= 3 #AF, "\$2V' ( ), ", &\$, )2'M\* & A'A5'S%?'  
(5JG#?'S#J)%12' > #'?\*&"#&2' I, . \$, / J, )'; 2'8988='

8988' TS%\$#&Z' 3 #GF%5Q, , '%&A' 0#"\$\*)#? ( ), ", )7%\$#\* & 2V' ( ), ", &\$, )2' 3 #GF%5Q, , ' ( ), )7%\$#\* & '  
! GG#&? , 2' e #)\$5%G2' 3 %1'8c2'8988='

8988' TC, G, J)%\$#&E' \$<, 'S, E%?1' \*+M% / #G#'' b J, )% "'#&' > #'?\*&"#&2V' - #'?5""%&\$2'S%\$#&\*! )\$"2'L&?=  
S5&?<'%&A'S, %) & 'D7, &\$2' 3 #GF%5Q, , 2' 3 %1' : \_2'8988='

8988' TS%\$#& \*"'%&A'S'J\*')#&' > #'?\*&"#&2V' j , 1&\*\$, ' ! AA, ""'2'D" ?5?<% '1' ! 7%&? , K'S%J\*')C\*5&?#G'  
+\*)'S%\$#&' ! / , )?%&' ! A7%&? , / , &\$'C\* / / 5&#1'U, ""\*5)? , 'M%#)2'H#E'H, &A2' > #'?\*&"#&2'  
! . )#G' c92'8988='

8988' TS%\$#&Z'C<5)?<,"#&'>#"?'\*&"#&2V'(),",&\$,)2'>#"?'\*&"#&'C\*5&?#G'\*+'C<5)?<,"a'>,A&,"A%1'  
C\*7,)%"\$#\*#&"2'e#)\$5%G2'!.)#G'892'8988='

8988' T3 jD'U\*\*\$'2V'(%&,G#"2'C%)/, &'0#E<'I?<\*\*\*G'\*+'I?#,&?, '%&A'W, ?<\*&\*G'E12'3 #GF%5Q,,2'  
!.)#G':82'8988='

8988' T3 !WC'U,%A'K'3,Z#?%&"#&'>#"?'\*&"#&' \ 'I\$)%&E,)"O\*'S\*#&E,)2V'j,1&\*\$, '!AA),""2'  
3 #GF%5Q,, '!),%W,?<#?#G'C\*GG,E,2'e#)\$5%G2'3%)?<'c:2'8988='

8988' TU%G.<'0='3,\$?%G+,'C<%#)'S,(?5),'J1'-)='-%7%)#&'H%GAF#&' \ '!5"\$,)#\$1'\$\*!'J\*G#\*#&'K'  
H5#GA#&E'%'(,\*G,a''6&#7,)"#1'\*&'>#"?'\*&"#&'!7,&5,2V'3\*A,)%\$\*)2'3%)45,\$\$,'6&#7,)"#12'  
e#)\$5%G2'3%)?<'c:2'8988='

8988' TM)\* / 'M)\*&\$@S#&,'>\*)Q,)"\$\*M)\*&\$@S#&,'C%),K'W<,'6&),?\*E&#g,A'S'J\*)'\$<\$'j,,. "'5"  
!+G\*%\$2V'(%&,G#"2'3%)45,\$\$,'6&#7,)"#1'C,&\$,)+\*)'\$<,'!A7&?, / ,&\$'+\$<,'05 / %&#,\$,"a'  
Cb eL - @: \_' - #'?'5""#\*#&'I,)#,"2'e#)\$5%G2'3%)?<'c2'8988='

8988' T3,Z#?%&"#&'>#"?'\*&"#&'!&'L&\$,)7#,F'F#<'I,)E#\*'Y\*#&gmG,g2V'(),",&\$,)2'>#"?'\*&"#&  
S'J\*)'O#"\$\*)'1'I\*?#,\$12'e#)\$5%G2'M,J)5%)1':2'8988='

898:' TS%\$#&\*"'#&'\$<,'3#AF,"\$2V'(),",&\$,)2'>%5Q,"<%'(5JG#?'S#J)%12'>%5Q,"<%2'>#"?'\*&"#&2'  
b?\*\$J,):\_2'898:='

898:'' T0#".%&#?'0,)#)\$E,'3\*&\$<K'S%\$#&\*#O"\$\*)#,"#&'>#"?'\*&"#&2V'(),",&\$,)2'>#"?'\*&"#&  
O#".%&#?'S'F1,)"!""\*?#%\$#\*#&2'3#GF%5Q,,2'b?\*\$J,):B2'898:='

898:'' TS%\$#&\*"'#&'\$<,'3#AF,"\$2V'(),",&\$,)2'DG%'!),%'(5JG#?'S#J)%12'S%Q,'p5)#?<2'LGG#&\*#2'  
e#)\$5%G2'b?\*\$J,):82'898:='

898:'' TYG\*J%G'I.\*\$G#E<\$K!'!O#"\$\*)#?'b7,)7#,F'\*+'S%\$#&Z'C#&g,&"<#.'%&A'L / / #E)\$#\*#&2V'  
(,)",&\$,)2'O\*)\$<,%"\$>#"?'\*&"#&'W,?<#?#G'C\*GG,E,2'Y),,&'H%12'>#"?'\*&"#&2'e#)\$5%G2'  
b?\*\$J,)'d2'898:='

898:'' TS,%A,)"<#.'DAE,'I,)#,"K!'S%\$#&Z'L / / #E)\$#\*#&'C)#"1'\ 'M#&A#&E'H,G\*#&E#&E'#&'\$<,'  
6=I=2V'(),",&\$,)2'j\*#<G,)'C\* / .%&1a""eLe!'H5"#&,""U,"\*5)?,'Y)\*5.2'e#)\$5%G2'

89:\_' TS%\$#&ZK' 3 %Q#&E%' (G%?, '#&'\$<, ' 3 #AF, "\$2V'(), ", &\$,)2' (, \* .G, '\*&'\$<, ' 3 \*7, 'I,)#, "K' I\$='  
h\*<&a""\*&'\$<, 'S%Q,2' 3 #GF%5Q, ,2' b?\*\$J,)':\_2'89: \_='

89:\_' T > <\* !), 'b5)' I\$5A, &\$' I'W<, 'S%\$#&\*' (, ", &?, '#&'> #""?\*&"#&2V'(), ", &\$,)2' I .%&#<' +\*)'  
0,)#\$%E, 'I ., %Q,)""%&A'S, (%&,)""> \*)Q"<\* .2' 3 %)45, \$\$, '6&#7,) "#\$12' b?\*\$J,)':\_82'89: \_='

89:\_' TL / / #E)%\$#\*%&'&A'\$<, '0#" \$\*)# , ""\*+' > #""?\*&"#&a""S%\$#&Z'C\* / / 5&#\$\$, "2V'(), ", &\$,)2'  
6&#7,) "#\$1'\*+' > #""?\*&"#&'C\* &\$#&5#&E' I\$5A#, "2' 3 %A#""\*&2' > #""?\*&"#&2' b?\*\$J,) '\_2'89: \_='

89:\_' T0#" \$\*)# , ""\*+' > #""?\*&"#&a""S%\$#&Z'C\* / / 5&#\$\$, "2V'(), ", &\$,)2' I5&' ( )%#)#, 'S#J)% )12' I5&'  
( )%#)#, 2' > #""?\*&"#&2' I, .\$, / J,) 'c92'89: \_='

89:\_' T0#" .%&#?' 0,) #)\$%E, ' 3 \* &\$<' C, G, J)%\$#\* &2V' j , 1&\*\$, ' !AA), ""'2' > #""?\*&"#&' 0#" \$\*)#?%G' I\*?# , \$12'  
3 %A#""\* &2' > #""?\*&"#&2' I, .\$, / J,) '892'89: \_='

89:\_' TS, E?# , ""\*+' ( )\*\$, "SK'S%\$#&\*""#&' > #""?\*&"#&2V' j , 1&\*\$, ' !AA), ""'2' Ci %) 'D='C<m7, g' - %12'  
> %5Q, "<% 'C\*5&\$1'W, ?<&#?%G'C\*GG, E, 2' ! .)#0'82'89: \_='

89:\_' TU\*5&A\$%JG, ' - #''?5""#\* &K'W<, 'U#', '%&A'M%GG'\*+'\$<, 'H)\*F&'H5++%G\*2V' (%&, G#"\$2'U\*J,) \$\*' 0,  
)&m&A, g'C, &\$,)2' 6&#7,) "#\$1'\*+' > #""?\*&"#&@ 3 #GF%5Q, ,2' 3 %) ?<'8R2'89: \_='

89:\_' TS%\$#&Z'C\* / / 5&#\$\$1'H5#GA#&E' ! ?) \*""' > #""?\*&"#&' 0#" \$\*)12V' j , 1&\*\$, ' !AA), ""'2' I#E / %' - , G\$%'  
(#)JY% / / %'Y% / / %'C<% . \$,) ^'L&#\$\$#\* &'C,) , / \* &12' 3 %)45, \$\$, '6&#7,) "#\$12' 3 %) ?<'8c2'  
89: \_='

89:\_' T ! ' - #''?5""#\* &'F#\$<' - )=' j , GG1'S1\$G, '0,) &%&A, gK'T 3 #GG#\* &' - \*GG%)' 0\*\*A'K' 3 % . . #&E'\$<, '  
M#""?%G'&A' 05 / %&'C\*""\$""\*+' 3 %""'L&?%)? , )%\$#\* &2VV' (%&, G#"\$2' - , / \*?)%?1'&'W)\*5JG, A'  
W# / , ""I,) #, "2' 3 %)45, \$\$, '6&#7,) "#\$12'M, J)5%)1'8:2'89: \_='

89:\_' TH5#GA#&E' 3 #AF, "\$,) &'S%\$#&Z'C\* / / 5&#\$\$, "K' 0#" \$\*)# , "" !?) \*""' \$<, 'WF, &\$#, \$<'C, &\$5)12V'

89:R' T(\*A,).\*)'.%)\$#?#. %?#X&'\'\$)%J%N%A\*),''G%\$#&\*''?\*&,\$m&A\*",'?\*&'G\*'' / \*7# / #,&\$\*''  
.)\*E),''#''\$%"2V'(%&,G#''\$2' > #''?\*&'#&'S%\$#&\*''S%J\*)'C\*&+,),&?,2' 3 #GF%5Q,,2'b?\*\$\*J,)'8;2'  
89:R='

89:R'' TM)\* / ' - 5)%&E\*'\$\*'\$<,' - %#)1'I\$%\$,K'!'I<\*)'\$'0#''\$\*)1'\*+' 3 ,Z#?%&'#&' > #''?\*&'#&2V' j ,1&\*\$,'  
!AA),''2' > #''?\*&'#&'S\*?%G'0#''\$\*)1'%&A'0#''\$\*)#?'(,),)7%\$#\* &'C\*&+,),&?,2'S%'C)\*''',2'  
> #''?\*&'#&2'b?\*\$\*J,)'8:2'89:R='

'89:R'' T0#''\$\*)1'I%&AF#?<,A'L&K'!GF%1''\* &'\$<,' 3 \*7,'\' 3 ,Z#?%&' 3 #E)%&\$' > \*)Q,)'#&'  
> #''?\*&'#&2V'(,),&\$,)2' > #''?\*&'#&'0#''\$\*)#?'G' 3 5'',5 / 2' 3 %A#''\* &2' > #''?\*&'#&2'b?\*\$\*J,):R2'  
89:R='

89:R'' TI\$)%&E,)'O\*' 3 \*),K'W<,'O,F'I%&'\$5%)1' 3 \*7, / ,&\$2V' j ,1&\*\$,'!AA),'''']I?<\*(G%)@#&@  
U, '#A,&?,^2'DAE,F\*\*A'C\*GG,E,2'b?\*\$\*J,)' :92'89:R='

89:R'' TC%\$<\*(G#?'I\*?#%G'!'\$#\* &'#&'!?'\$#\* &'K' 3 #GF%5Q,,a''S%\$#&\*''C\* / / 5&#1%'&A'I\*?#%G'h5''\$#?',  
3 \*7, / ,&\$''#&'\$<,'WF,&\$#, \$<'C,&\$5)12V'(,),&\$,) ]I?<\*(G%)@

'89: ` " T > < , ) , ' W < , ) , ' L ' ' I \$ ) , & E \$ < K ' ! ' 0 # ' \$ \* ) # ? % G ' % & A ' C \* & \$ , / . \* ) % ) 1 ' S \* \* Q ' % \$ ' L / / # E ) % \$ # \* & ' % & A ' S % J \* ) ' # & ' > # " ? \* & " # & 2 V ' j , 1 & \* \$ , ' I . , % Q , ) 2 ' > # " ? \* & " # & ' S % J \* ) ' 0 # ' \$ \* ) 1 ' I \* ? # , \$ 1 ' C \* & + , ) , & ? , 2 ' j , & \* " < % 2 ' > # " ? \* & " # & 2 ' 3 % 1 ' 8 : 2 ' 89 : ` = '

'89: d " T b F & ' P \* 5 ) ' M 5 \$ 5 ) , K ' 0 \* F ' \$ \* ' I < % . , ' \$ < , ' 6 & # 7 , ) " # \$ 1 ' % & A ' # \$ " ' I \$ ) % \$ , E # ? ' ( G % & 2 V ' ( % & , G # " \$ 2 ' ( ) % ? \$ # ? % G ' > # " A \* / ' I . , % Q , ) ' I , ) # , " 2 ' 6 & # 7 , ) " # \$ 1 ' \* + ' > # " ? \* & " # & @ 3 % A # " \* & 2 ' - , ? , / J , ) ' : : 2 ' 89 : d = '

'89: d " T 3 , Z # ? % & " # & ' > # " ? \* & " # & 2 V ' ( ) , " , & \$ , ) 2 ' > # " ? \* & " # & ' 0 # ' \$ \* ) # ? % G ' I \* ? # , \$ 1 ' C \* & 7 , ) " % \$ # \* & ' I , ) # , " 2 ' 3 % A # " \* & 2 ' > # " ? \* & " # & 2 ' O \* 7 , / J , ) ' : \_ 2 ' 89 : d = '

898c' -#%&'Y5\$#i)),g2'TS%\$#&\*"' -)#7#&E'()\*".,)#\$12'(\*F,)'k'()\*E),""2V'Q,A\$B9#;E`6\$b?\*\$J,)'  
: :2'898c='

898c' h\*1'(\*F,)"2'TS%Q,'D++,?'\$'b&@I#\$,'K'>%GQ,)a""(\*&\$2V' B ! B I 6\$I, ., \$, / J,)'882'898c='

898c' (%\$)#?#%'Y\* / ,g2'TI\* / \*"'S%\$#&%"2V'aQ35-I.(5b\$] 3 #GF%5Q,, '(HI^2' 3 %)?<'882'898c='

898c' Y,)%GA\*C%A%7%2'TS%\$#&\*'I\$5A#, '2'\*&'M%\$#<'%&A'(\*F,)2V'<I(&. ) '\$&. \$R57(86\$ 3 %)?<'82'898c='

898c' 3 %)#%&\* ! 7#G%2'T ! / ,)#?%&' - ,% / '\LEG, "#%'O5, "\$%)%I, t\*)%A, 'Y5%A%G5., 2V'aQ35-I.(5b\$  
] 3 #GF%5Q,, '(HI^2'M, J)5%)1'892'898c='

898c' TS%Q,'D++,?SK'W#QW\*Q'J%&2'C%.#\$\*G'O\*\$,'2'S%\$#&Z'O#"\$\*)1'C\*GG,?\$#7,2'?"<\*\$G'  
A, ".E),E%\$#&'&#E5), '2'S%Q,'L7%&<\*, '<#"\$\*)12V' B ! B I 6\$h%&5%)1'c92'898c='

898c' 3 %)#%&\* ! 7#G%2'T ! / ,)#?%&' - ,% / '\I,)E#\*Y\*&gmG,g'1'G%'LEG, "#%'A, 'O5, "\$%)%I, t\*)%A, '  
Y5%A%G5., 2V'aQ35-I.(5b\$] 3 #GF%5Q,, '(HI^2'h%&5%)1'8d2'898c=\$

8988' ! G,N%&A)%' (%G%?#\*"2'TS%'<#"\$\*)#%'A, 'G'"')# / ,)\*"' 3 ,Z#?%&\*"', '&'>#"?\*&'#&2V'>5-5MO. 3 )\$  
B&'4). 'd. 6\$b?\*\$J,)' :c2'8988='

8988' DGG#, 'O%Q% / \*\$\*@ > <#\$, 2'ToW<, 1'A, ", )7, 'J, \$\$, )aK' 3 %)45, \$\$, '6&#7, )"#1'"\$5A, &\$"2'"\$%++  
E%\$<,) "\$\*"<\*F'"5. .\*)\$+\*)'o5&+%#JG1'.5&#<, Aa'"\$5A, &\$'.)\*\$, "\$,)"2V'A, #Hc\$; 5? '6\$  
I, ., \$, / J,)'8;2'8988='

8988' ! &E, G#?%'I%&?<, g2'TO#". %&#?'O, )#%E, ' 3 \*&\$<'?, G, J)\$\$, "'S%\$#&\*'?'\*&\$)#J5\$#\*&'\*\$\*'  
?\* / / 5&#12V' = S de\$; 5? '6\$I, ., \$, / J,)' :d2'8988='

8988' T8988'O#". %&#?'O, )#%E, ' 3 \*&\$<'6&#A\*'K'L&?G5'#7#1'+\*)%'I\$)\*&E, )'O%\$#\*&2V'Q, A\$  
B9#;E`6\$I, ., \$, / J,)' :d2'8988='

8988' TM%\$#<'%&A'(\*F,)'K'S%\$#&\*'U, G#E#\*5'"(\*G#?#"I#&?, ': Bd2V'%d'71. d4\$>85)-)/k41-\$9. d(dI(dL5\$  
S75. \$: -IYI6\$h5G1'8:2'8988='

8988' 3 %GG\*)1'C<, &E%'&A' j \*J, 'H)\*F&2'T3 %)45, \$\$, "'\$5A, &\$'a\*)%G'<#"\$\*)1'.)\*N, ?\$"%), 'J, #&E'  
%AA, A'\$\*\$<, '>#"?\*&'#&'O#"\$\*)#?%G' I'?'#, \$12V' B ! B I 6\$ 3 %1' \_2'8988='

8988' !)#, G' (, ), g2'U\*" "<5&'O#EE#&'2'%&A'H, &#%\$' 3 %\$<, F2'TS%\$#&\*'., \*.G, '<7, '%G\*&E'<#"\$\*)1'&#'  
>#"?\*&'#&=O, ), a'"<\*F'\$<, 1a7, "'<%. , A'\$<, ', ?\*&\* / 1'%&A'+\*5&A'\$<, '! / ,)#?%&' - ,% / 2V'  
T\*55. \$, I+\$: \*5' '\$TIY5((56\$ 3 %)?<'8B2'8988='

8988' 3 %AA#, 'H5)%Q\*+2'TW<, '(%) / \*5&\$'U, ?\*)A""\$\*)1K'O\*F'Y)%+\$\*&'G, +\$%'&'5&G#Q, G1'G, E%?1'  
\*&'! / ,)#?%&'JG5, "' / 5"#2V'#754(\*OM\$; 5? '\$E6\$M, J)5%)1'892'8988='

898:' 3 %)\$#&%'LJ% t, g@H%GA\*)2'T3 %Q#&E%'(G%?, '%O\* / , 2V'Q f# \$ I I ^05((5C\$ I I ^05((5\$  
! . dL5\* 'd(+ \$ g-d. /5\*\$A)--5/5\$)K\$Q\*( '\$I. 3#4d5. 45 '\$ I I / IYd. 56\$M%GG'898 :='

898:' h, ""#?%'U\*A)#E5, g%'&A' - % .<&, 'C<, &2'TW<, '? , &"5""<\*F'"'<%). 'A, ?G#&, '#&'>%GQ,)a""  
(\*&\$'S%\$#&\*' . 5G%\$#\*&2V' I d- ?10055\$P)O\*. I-\$#5. (d. 5-6\$b?\*\$J,)'8;2'898 :='

898:' C<)#'"\$#&%'S#, ++)#&E2'TM)\* / 'M%) / "'\$\*M%?\*\$)#, "'\$\*O, F'H5"#&, "" , "2'S%\$#&\*"O7, ' 3 %A, '%  
3 %Q'&'>#"?\*&'#&a"D?\*&\* / 1'+\*)' 3 \*), '\$<%&'%C, &\$5)12V' ! 7\$; )\*(8\$; 5? '6\$b?\*\$J,)' :; 2'  
898 :='

898:' D / #G1'M#G, "2'TO#". %&#?' "\$5A, &\$', &)\*GG / , &\$'5. '%\$' 3 #GF%5Q, ., @%), '%5&#7, )"#\$#, ""'""?<\*\$G'"  
#&?), %", ., ++)\*\$2V' B ! B I 6\$b?\*\$J,)' :2'898 :='

898:' h, ""#?%' 3 %A<5Q%)2'T6&A, )"#\$&A#&E'\$<, \*)#E#&'"+\* 3 #GF%5Q, ., a""\$\*5\$<'#A, 'S%\$#&Z'  
?\* / / 5&#12V' ; , A\$> I PG6\$I, ., \$, / J,)'c92'898 :='

898:' 3 %GG\*)1'C<, &E2'TO#"\$\*)#%&'> \*)Q'\$\*U, +\*?'5'">#"?\*&'#&'O#"\$\*)1'&'S%\$#&Z'C\* / / 5&#1'  
k'C\*&\$)#J5\$#\*&'2V' B ! B I 6\$I, ., \$, / J,)'882'898 :='

898:' -#%&'Y5\$#i)),g2'T><1'#"O#" .%&#?'O, )#%E, ' 3 \*&\$<'# / .\*)\$%&\$1V'Q, A\$B9#;E`6\$  
I, ., \$, / J,)' :R2'898 :='

898: ' W<,'S%))1' 3 ,#GG,)I<\*F2'T 3 ,Z#?%&"#&'>#"?\*&"#&2V' B &'4). 'd.\$:ON-&4\$DI3&)6\$I,.\$, / J,)'  
: `2'898:='

898: ' I%G% / 'M%\$%1,)2'T>,'&,,A'\$\*'\$<#&Q'J\*5\$'\$<,'+5\$5), 'F<,&'?,G,J)%\$#&E'0#" .%&#?'0,)#%E,'  
3\* &\$<2V' cc"FDI3&)\$ I &- ? 100556\$I,.\$, / J,)':d2'898:='

898: ' I# / \* &,'C%g%), "2'TS5&%a"W,Z%"'U, "\$5)%&\$K'W<,'I\$\*)1'\*+'b&,'\*+' 3 #GF%5Q,,a"'S\* &ES# / ,'  
3 ,Z#?%&'U, "\$5)%&\$"2V' B ! B I 6\$h5&,'B2'898:='

898: ' U,,,'I,J,)E2'TU,.)",&\$%\$#\* &'#&' 3 #GF%5Q,, 'S%&A / %)Q"2V' I I\*^05((5\$! . &L5\*'d(+&  
>5-5L&'d). 6\$! .) #G': `2'898:='

898: ' ! &E,G#&% ' 3 \*"<,)I%G%g%)2'TM\*)' 3 #GF%5Q,,a"'S%\$#&\*'C\* / / 5&#12'W<,) , '!),'O\*'  
0#"S\* )#?%GG1' - , "#E&%\$,A'S%&A / %)Q"2V' B ! B I 6\$! .) #G'82'898:='

898: ' W,)1'M%GQ2'T > #GG' 3 6'H,?\* / , ' 3 %)45,\$\$, 'W,?<IV' ! \*NI.\$ I &- ? 100556\$ 3 %) ?<':2'898:=



89: \_