



; > / # N \* L > / > 4 . / > C > - \* @ A > / & \* B # / \* 8 . + 4 + > - & % - D \* L . J 1 % 0 > + % # - \* # - \* O , - & , / \* > - & \* F % \$ , / 4 % G \* B / # C \* O , - & , / \* > - & \* F % \$ , / 4 % G \* % - \* 8 / D > - % E > + % # - 4 \* F % \$ % # - \* # B \* @ 0 > & , C G \* # B \* = > - > D , C , - + # P , 4 + \* ; + . & , - + \* L > M , / \* @ A > / & \* B / # C \* 8 / D > - % E > + % # - \* Q \* = > - > D , C , - + \* R ? , # / G \* F % \$ % # - \* # B \* @ 0 > & , C G \* # B \* = > - > D , C , - + # S , > + . / , & \* % - \* I 4 \* 5 6 5 ( \* U # C , - I 4 \* V % # / G \* = # - + ? \* W % + . > 1 \* ; M , 0 % 1 \* < 4 4 . , \*

^9%<^:'J:'345G:'NL%'b'F,.) ,.%\$#\*!&'! '- ,E9%&#/'+'\*)'@\*)b'Q&,eO%#A:S' \* &\$()#+%-% \$/\$0#)/1%D)!1% : \$E)3% 3,&)(5/0!F%

>,=,%&<F:'%&C'^:'J:'^9%&:'345V:'N! '\$\$9, '^O\$#&.' \C, ,'+^\*/8%)%\$#?,'^O-\$0)%-F\*E#\*=\*. AI!'! '- #&#7 ^\*&+,), &E, '[ ,8\*)\$'+)\* /'\$9, '345V'\%'\$,)&'F\*E#\*=\*. #E%='F\*E#, \$A! &&O%=- , , \$#&. S:'G''1''3);%\* #)35&\$/% 7, &5, ', 05&\$%'\* !! ,&5\$15, /%7)&15, /% /%1H)%7, &5, ', 0+%-%G''1''3) ) =!)1)3F 3TU5W'5`:'

! &\$, aA<- :'%&C'^:'J:'^9%&:'345V:'N0?#'#a=, '@\*)bS'#&'7, &5, ', 0+%-%J , 3K:%\*/%>/&+&', E)(5\$<', C:'] : 'F / #9' %&C'd:'P:'P'\*=\*\*&:'L9\*0"%&C'1%b"<^! I'F%. , <G`G7G` T:'

^9%<^:'J:'345V:'N> \*\*b [ , ?#, BI' . , /)+\*% 1%J , 3K:%4/%1H)%2, @%=51H% 35)!1!L% , K)3% '\$+)3!L%/(%<)(0)M"/(% N3\$()3!<a'AJ , ?#&'d:' , =%&, A:S'J , 3K%O%A&&'E\$15, /!:'G4UVW'V3TV3H:'

A A A

R#&%#"\$+\*)>, "\$'FOa/#''\*#&'B#9' (%)E\$#E%='Q/8-#E\$#\* &'"+\*)'1). %&#2%\$#\* &'< ' 343G'  
 ! E%C, /A'+\*- %&%. , /, &\$<- %&%. , )#%-'O'1). %&#2%\$#\* &'<^\*. &#&#\* &'; #?#'#\* &''  
 \* (#5/5!13\$158)%7&5)/&9"\$31)3'+! B%)C'+\*)'FE9\*%-)A'^\* &#)\$aO\$#\* &' 3433  
 10\$), %E9'! B%)C<! E%C, /A'+\*- %&%. , /, &\$<'1). %&#2%\$#\* &'"%&C'\$9, '\_\_\_%\$0)%=' 3435'  
 \&?#)\* &/, &\$%&C'F\*E#%='Q''O, ''#&' - %&%. , /, &\$'; #?#'#\* &''  
 \* &\$()#+%-% \$/\$0#)/1%\* // '\$!' ] \* =0 /, '54'>, "\$' (%8, )! B%)C' ' 3456  
 F%)\*K' (%)%'0)%/%&'! B%)C'+\*)'1 O\$"\$%&C#&.' ; #?, )"#A' (0a=#E\$#\* &'< 345T'  
 ! E%C, /A'+\*- %&%. , /, &\$<'; #?, )"#\$A'\eO#A<'O'Q&E=O"#\* &'; #?#'#\* &'  
 @A''''! B%)C'+\*)'; #''', )\$%\$#\* &' \DE, =, &E, <Z%)?%)C'>0"#&, ""FE9\*\*'= ' 345T  
 >, "\$'F\$OC, &\$' (%8, )! B%)C<! E%C, /A'+\*- %&%. , /, &\$<' 345G'  
 1). %&#2%\$#\* &'O' - %&%. , /, &\$'L9, \*)A'; #?#'#\* &'  
 L9\*/%'L, /8=, 'Z\*\*8, "" (#2, '+\*)'f&C, .) %CO%\$, 'L9, ""#''\DE, =, &E, <' 344H'  
 Z%)?%)C'^\*=, . , '

L, %E9#&. 'F%)<>\*"\$\* &' ^\*=, . , '^%)\*)='FE9\*\*='\*+\*- %&%. , /, &\$' 343V<3433<3434  
 (\*, \$''O'hO&#&''L\*8`4'>, "\$'f&C, .) %CO%\$, '>0"#&, ""FE9\*\*='(\*)+\*, ""\*)''' 3434'

430\$/56\$15, /%7&5)/&)%1 O\$"\$%&C#&.' [ , ?#, B, )! B%)C' ' 343G'  
 \* &\$()#+%-% \$/\$0#)/1(C)85)='1 O\$"\$%&C#&.' [ , ?#, B, )! B%)C' ' 343V<345X  
 \* &\$()#+%-% \$/\$0#)/1(C)85)='1 O\$"\$%&C#&.' ; , ?,\*8 /, &\$%=[ , ?#, B, )! B%)C' ' 3433'

(9#>, %\$'J%88%'Z\*&\*)'F\*E#, \$A<Z%)?%)C'^\*=, . , ' 3446  
 d\*9&'Z%)?%)C'FE9\*%)'9#8<Z%)?%)C'^\*=, . , ' 344`

1). %&#2%\$#\* &%='R%#-0), "l'Y, %C,)"9#8'#&' ^)#' #'"



(%&, #'\$%'\$QC, &\$#A'^\* &+, ) &E, '+\*)'8%&, =NQC, &\$#A'%&C'\$9, '^9%&. #&. '\_%\$0), '\*+'@\*)bS:' (9#%C, =89#%<' (! <- %)E9'345X:'

(%&, #'\$%'\$! 1 - '(; @'N>, #&. 'L9, ), k'>, #&. 'L9, /I'\\$9&\* .)%89A'L9, &'%&C'\_\_\*BS:'! E%&, /A'\*+' - %&%. , /, &\$!' &&O%=- , , #&. <^9#E%. \*<QY<! 0.0"\$'345H:'

(%&, #'\$%'\$! 1 - '(; @'NP; 1'; \*E\$\*)%=F\$0C, &\$'^\*&"\*)\$#0/S'+\*)'8%&, =N! B%)C'@#&&#&. 'FE9\*=%)":S' ! E%&, /A'\*+' - %&%. , /, &\$!' &&O%=- , , #&. <^9#E%. \*<QY<! 0.0"\$'345H:'

R%E#=#\$\*\$)%'\$! 1 - '(; @'N\_%?#.%\$#&. 'h0%#%\$#?;', #''', )\$%\$#&'! C?#E, '+)\* /'\$9, '\D8, )\$":S'! E%&, /A' \*+' - %&%. , /, &\$!' &&O%=- , , #&. <^9#E%. \*<QY<! 0.0"\$'345H:&

R%E#=#\$\*\$)%'\$@#"\$\* &' ^, &\$, )'+\*)'Y, %C, )"9#8'%&C'\\$9#E''8%&, =N1 &'@)#\$#&. !R)% /#&. 'B#9'Z\*\*b""%&C' (022=, "S:'>\*"\$\* &' ^\*=, ., <@#&"\$\* &' ^, &\$, )'+\*)'Y, %C, )"9#8'%&C'\\$9#E"<>\*"\$\* &' - ! :d0=A'345H:'

N- %&%. #&. '1 EE08%\$#\* &%=[ , 80\$%\$#&'! 1?, )E\*/#&. '\$9, '\&EO\$0)%\$#\* &' \*+' 1 0\$"#C, )"c'] #, B""\*+'%&' 1 EE08%\$#\* &:S'! E%&, /A'\*+' - %&%. , /, &\$!' &&O%=- , , #&. <F, %\$%, <@! <! 0.0"\$'3433:'

N- %&#&\$%#&#&. '%- %&C%\$, '\*+' - , %&#&. +0=&, ""'!L9, '1 EE08%\$#\* &' \*+' ^%), , )! C?#', )""#&'>0"#&, ""'FE9\*\*%=S' UB#9'Y:'Z, CC, &W:'! E%&, /A'\*+' - %&%. , /, &\$!' &&O%=- , , #&. 'U] #)\$0%#&'! 0.0"\$'3434:'

NL9, '; \*0a=, 7\ C. , C'FB\*)C'\*+' 1). %&#2%\$#\* &%='^0\$0), !'; \*#&. '%&C'f &C\*#&. ' \_\_\*) /%\$#?, '^\* &\$)\*=S' ! E%&, /A'\*+' - %&%. , /, &\$!' &&O%=- , , #&. <! %&9, #/ <^! <! 0.0"\$'345T:'

NL%"b'F, .), .%\$#\* &'! ""'- , E9%&#'/'+\*)'@\*)b'Q&, e0%=#\$AI'@\* /, &'%&C'- , &' \*+' \$9, 'LF! S'UB#9' - :! ! &\$, aAW:'( , \*8=, '%&C'1). %&#2%\$#\* &' ^\* &+, )&E, <(9#%C, =89#%<' (! <1 E\$a, )'345G:'

NL%"b'F, .), .%\$#\* &'! ""'- , E9%&#'/'+\*)'@\*)b'Q&, e0%=#\$AI'@\* /, &'%&C'- , &' \*+' \$9, 'LF! :S'! E%&, /A'\*+' - %&%. , /, &\$!' &&O%=- , , #&. <(9#%C, =89#%<' (! <! 0.0"\$'345G:'

NL%"b'F, .), .%\$#\* &'! ""'- , E9%&#'/'+\*)'@\*)b'Q&, e0%=#\$AI'@\* /, &'%&C'- , &' \*+' \$9, 'LF! :S'! /, )#E%&' F\*E#\*=\* .#E%#! ""\*E#%\$#\* &'! &&O%=- , , #&. <F%&'R)%&E#''E\* <^! <! 0.0"\$'345G:'

NL%"b'F, .), .%\$#\* &'! ""'- , E9%&#'/'+\*)'@\*)b'Q&, e0%=#\$A:S'Z%)?%)C'>0"#&, ""'FE9\*\*=F\$0C, &\$ [ , , )E9' FA/8\*\*#0/<>\*"\$\* &' - ! <- %A'345G:'

Nd\*a'L%"b'F, .), .%\$#\* &'! ""'- , E9%&#'/'+\*)'@\*)b'Q&, e0%=#\$A'\$9, 'L)%&'8\*)\$%\$#\* &' F, EO)#\$A' ! C / #&#"\$)%\$#\* &S:'\%"\$, )&'F\*E#\*=\* .#E%=-F\*E#,\$A! &&O%=- , , #&. <>=%-\$/\*) , <- ; <R, a)0%)A'345G:'

N>, #&. 'F, , &'%&C'P\*#&. 'f &&\*#E, CI'@\*)b#&. '0&C, )'F0)?, #=%&E, S'UB#9' - :! ! &\$, aAW:'\%"\$, )&' F\*E#\*=\* .#E%=-F\*E#,\$A! &&O%=- , , #&. <>=%-\$/\*) , <- ; <R, a)0%)A'345G:'

N>, #&. 'F, , &'\$/ (P\*#&. 'f &&\*#E, CI'@\*)b#&. 'f &C, )'F0)?, #=%&E, S'UB#9' - :! ! &\$, aAW:'! /, )#E%&' F\*E#\*=\* .#E%#! ""\*E#%\$#\* &'! &&O%=- , , #&. <\_, B'g\*)b'\_\_g<! 0.0"\$'345V:'

N! ' (\*)a=, /'+\*)' (\*8\*)\$#\* &'! '\_0/a, )<'F\$#. /%<'%&C'\ / \*\$#\* &'! / \* &. '! #)8\*)\$'F, EO)#\$A'FE), , &,) "S' @\*)b<1). %&#2%\$#\* &' <'%&C'- %)b, "\$"F, /#&%)<' ^%/a)#C. , <- ! <! 8)#=345V:'

N>, #&. 'F, , &'\$/ (P\*#&. 'f &&\*#E, CI'@\*)b#&. 'f &C, )'F0)?, #=%&E, S'UB#9' - :! ! &\$, aAW:'! /, )#E%&' F\*E#\*=\* .#E%#! ""\*E#%\$#\* &'! &&O%=- , , #&. <.; , &?), <^1 <! 0.0"\$'3453:'

N- \* &#\*\$), C'>0\$ \_\_\*\$! Eb&\*B=, C. , CI' (, )+\*) /#&. 'Q&?#''#a=, '@\*)bS'UB#9' - :! ! &\$, aAW:'F\*E#,\$A'+\*)'\$9, ' ! C?%&E, /, &\$'+\*F\*E#\*7\E\* &' /#E''FA/8\*\*#0/<' ^%/a)#C. , <- ! <dO&, '3453:'

'NY, \$c''P, '\$\$\*'@\*)b'F\$, ?, '>%)=, Ac''Y, . %EA#&'\$9, 'F\$OCA'+\*1 EE08%\$#\* &'S'UB#9' - : '>, %&, <d:'; #>, &#. &\*< %&C' ! : 'J%)O&%b%)&W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <'>\*" '\$&<- ! <dO-A'343V:'

N@\*)b<1 EE08%\$#\* &'<%&C'Q&, eO%=#\$AS'UB#9'! : '@, "" , &C\*)+<- : '- %2/%&#&&<F:' J\*88/%&<F:' (\*\$\*E)), )<'O'! : 'Z\*=/W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <F, %\$\$=, <@! <! 0.0"\$'343V:'

N! &'1 EE08%\$#\* &%='Y, &'\*\*&'F\*E#%=Q&, eO%=#\$AS'UB#9'F:'dEb"\*&<! : 'J%)O&%b%)&<F:' J\*88/%&<! : '@, "" , &C\*)+<'(:'L\*=>a, )\$W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <F, %\$\$=, <@! <! 0.0"\$'3433:'

[. --, /'] M\*B#/\*@8 = \*8 = R\*F%\$%#/#-T4\*P, 4+; GCM#4% C\*@A>/&\* S%->%#A\*B#/\*@8 = \*\* >, /, /4\*F%\$%#/#-T4\* = %D?>, 1\*F/%\$, /'P, 4+; GCM#4% C\*@A>/&\*

N\D%/#&#&. '\$9, 'Q&\$, )", E\$#\* &'\*\*+1 EE08%\$#\* &'\*\*&C' (\*)+, ""#\* &'\*\*#&'1). %&#2%\$#\* &'S'UB#9' - : '>, %&, <d:'; #>, &#. &\*<%&C' ! : 'J%)O&%b%)&W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <] #)\$O%=<dO-A'3435:'

N\_, B'; #), E\$#\* &'\*\*#&'1 EE08%\$#\* &'\*\*&C' (\*)+, ""#\* &'S'UB#9' - : '>, %&, <d:'; #>, &#. &\*<%&C' ! : 'J%)O&%b%)&W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <] #)\$O%=<! 0.0"\$'3434:'

'N>, #&. 'L9, )', k'>, #&. 'L9, /I'\\$9&\*. )%89A<- , %&#&. <%&C'>, A\* &CS'UB#9' - : '! &\$, aA'%&C'\:'Z%&', &W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <! &%9, #/<'^! <! 0.0"\$'345T:'

N>, #&. 'L9, )', k'>, #&. 'L9, /I'L9, 'Q&\$, )", E\$#\* &'\*\*+1). %&#2%\$#\* &%'&C'1 EE08%\$#\* &%'&C'\\$9&\*. )%89AS'UB#9' - : '! &\$, aA<d:'; #>, &#. &\*<%&C'\:'Z%&', &W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <] %&E\*O?, )<'^! <! 0.0"\$'345' :'

N>, #&. 'L9, )', k'>, #&. 'L9, /I'F\$%. , ""\*+ '\&\$)A<\D#<%&C'Q&7>, \$B, , &'#&'1). %&#2%\$#\* &%'&C'\\$9&\*. )%89AS'UB#9' - : '! &\$, aA<d:'; #>, &#. &\*<%&C'\:'Z%&', &W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <(9#%C, =89#%<'(! <! 0.0"\$'345G:'

N>, #&. 'L9, )', k'>, #&. 'L9, /I'L9, 'F, =#&'1). %&#2%\$#\* &%'&C'\\$9&\*. )%89AS'UB#9'\:'Z%&', &W'! E%C, /A'+\*- %&%. , /, &\$'! &&O%=- , , \$#&. <1)=&C'<RY<! 0.0"\$'345V:'

N- #&#7^\* &+, ) &E, '\* &' ^\* /8%)\$#?, '^0-\$0)%='F\*E#\*=. AS'UB#9'F:'>, &#, %&<>:'> \* &#b\*B"b#<%&C' - : 'Y%/\* &\$W'\%\$', )&'F\*E#\*=. #E%='F\*E#, \$A'! &&O%=- , , \$#&. <'>\*" '\$&<- ! <- %)E9'345V:'

**AA**

Z, )\*'@\*)"9#8I'@9%\$'Z%88, &'@9, &'d\*a''%), '- \*)%#2, C'j %Y/, =')(0)%\$1%J H\$31, /'j ' \_\_\*?:'3X<3433% Z\*B'\$\*'>0"\$>#%'""\$'@\*)b'j 'J, 3KB5-)%=51H%\* (\$#%?3\$/1' (\*CE%"\$'j - %A'5H<3435' \*\$%='C%\$%, &\$)A'B\*)b'#''E), %\$, C', eO%='j 'NH)%G, /8)3!\$15, /'j 'R, a:'V<3434:'  
Z\*B'FO)?, #=%&E, '^9%&. , "">, 9%?#\*')j '\* Z5, !f&, #j %F, 8:'6<345X'  
g\*0)'\ /8=\*A, ) - %A'a, 'F8A#&. '\* &'g\*0'j '7&5)/15-5&#\* #)35&\$/%j ' ! 0.:'5T<345X'  
L9, 'R#&, 'Y#&, 'a, \$B, , &' ^\*, )E#\* &'%&C' ^%), 'j 'G, ##"/5&\$15, /!%-%H)%\* G. 'j ' ! 8):'5<345X'  
L9, '\ /8=\*A, )'FO)?, #=%&E, 'F\$%\$, 'j 'NH)%\* 1'\$/15&%j '1 E\$:'5`<345H'

^\* &'O-\$#&. '! ""\*E#%\$, <Q&&\*""#. 9\$' ' ' ' ' ' ' 3455'  
^\* &'O-\$#&. '! &%=A"\$<Q&&\*""#. 9\$' ' ' ' ' ' ' 344H73454'