

; > / # 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&,e0%#A:S' * &\$()#+%-% \$/\$0#)/1%D)!1% : \$E)3% 3,&)(5/0!F%

>,=,%&<F:'%&C'^:'J:'^9%&:'345V:'N! '\$\$9, '^0\$#&.' \C, ,'+^*/8%)%\$#?,'^0-\$0)%-'F*E#*='. AI!'! '- # ^*&+,), &E, '[,8*)\$'+)* /'\$9, '345V'\%'\$,)&'F*E#*='. #E%='F*E#, \$A! &&0%=' - ,,\$#&. 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#&%#'\$+*)>, '\$'F0a/#''*#&'B#\$9' (%)E\$#E%='Q/8-#E\$#*#&'+'*)'1). %%\$#*#&'< ' 343G'

! E%C, /A'+*- %&%. , /, &\$<- %&%. ,)#%-'O'1). %%\$#*#&'&-'^*. &#&#*#&'; #?#'#*#&'

* (#5/5!13\$158)%7&5)/&9"\$31)3'+! B%)C'+*)'FE9*%-)A'^*&#)a0\$#*#&' ' 3433

10\$), %E9'! B%)C<! E%C, /A'+*- %&%. , /, &\$<'1). %%\$#*#&'%'&C'\$9, '___%\$0)%=' ' 3435'

\&?#)*&/, &\$%'&C'F*E#%='Q''0, ''#&' - %&%. , /, &\$'; #?#'#*#&'

* &\$()#+%-% \$/\$0#)/1%* // '\$!'] * =0 /, '54'>, '\$' (%8,)! B%)C' ' ' 3456

F%)*K' (%)%'0)%/%&'! B%)C'+*)'10\$"\$%&C#&.' ; #?,)"#A'(0a=#E\$#*#&'< ' ' 345T'

! E%C, /A'+*- %&%. , /, &\$<'; #?,)"#A'\e0#A<'O'0&E=0"#*#&'; #?#'#*#&

@A''''! B%)C'+*)'; #''',)\$%\$#*#&' \DE, =, &E, <Z%)?)C'>0"#&, ""FE9**=' ' ' 345T

>, '\$'F\$0C, &\$' (%8,)! B%)C<! E%C, /A'+*- %&%. , /, &\$<' ' ' 345G'

1). %%\$#*#&'O'- %&%. , /, &\$'L9, *)A'; #?#'#*#&

L9*/%'L, /8=, 'Z**8, ""(#2, '+*)'f&C,.) %C0%\$, 'L9, ""'\DE, =, &E, <' ' 344H'

Z%)?)C'^*=' , , '

L, %E9#&. 'F%)<>*"#\$&' ^*=' , , '^%)*)='FE9**='*+*- %&%. , /, &\$' ' ' 343V<3433<3434

(* , '\$''O'h0h&&\$''L*8`4'>, '\$'f&C,.) %C0%\$, '>0"#&, ""FE9**='()'+, ""*)''' ' 3434'

430\$/56\$15,/7&5)/&)%10\$"\$%&C#&.' [,?#, B,)! B%)C' ' ' ' 343G'

* &\$()#+%-% \$/\$0#)/1(C)85)='10\$"\$%&C#&.' [,?#, B,)! B%)C' ' ' ' 343V<345X

* &\$()#+%-% \$/\$0#)/1(C)85)='10\$"\$%&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). %%\$#* &%='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). %%\$#* &%= ^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). %%\$#* &' ^* &+,)&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). %%\$#* &' <'%&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%=- , , \$#&. <'>*" '\$&<- ! <d0-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). %%\$#* &'S'UB#9' - : '>, %&, <d:.'; #>, &#. &*<%&C' ! : 'J%)O&%b%)&W: ! E%C, /A'+*- %&%. , /, &\$! &&O%=- , , \$#&. <] #)\$0%=<d0-A'3435:'

N_, B'; #), E\$#* &'**&'1 EE08%\$#* &'**&C' (*)+, ""#* &'S'UB#9' - : '>, %&, <d:.'; #>, &#. &*<%&C' ! : 'J%)O&%b%)&W: ! E%C, /A'+*- %&%. , /, &\$! &&O%=- , , \$#&. <] #)\$0%=<! 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). %%\$#* &'**&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). %%\$#* &'**&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). %%\$#* &'**&C' \ \$9&*.)%89AS'UB#9'\:'Z%&', &W: ! E%C, /A'+*- %&%. , /, &\$! &&O%=- , , \$#&. <1)=&C'<RY<! 0.0"\$'345V:'

N- #^* &+,) &E, '* &' ^* /8%)\$#?, '^0-\$0)%='F*E#*=. AS'UB#9'F:'>, &K, %&<>:'> * &#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'