







D' 1%#/#\$1L\*D#-3N!3' &7\$.)8+s!>%. '\$\$%#.\*!#-'!K-%D#-%.+!37'!&7%.1-'\$!)4!a))D'-\*!UT)-\$!@JCbI  
 @JbCVS!, 7'+!#-'!%1' #.%\*3%&!\*' .4I&)\$4%1' \$3!)K3%D%\*3%&!/' D#\$1%\$8/!#\$1!7#; '!7%87'='K' &3#3%)\$\*!)4!  
 37' %-'!DK.)+'-!\*!U27-%\*3' \$\* '\$!' 3!#./!AB@Fc!, P '\$8'!/!ABA?VS!!

E '\$!W\*!#-'!K-%D#-%.+!&7%.1-'\$!)4!E '\$!d\*!UT)-\$!@Jb[I@JFBV!#\$1!3' \$1!3)!T'!-'#.%\*3%&!#\$1!  
 K-#8D#3%&!%Q' !37' %-'!K#-' \$3\*!U95'!/!AB@FVS!E '\$!W\*!7#; '!. )P '-!'=K' &3#3%)\$\*!)4!37' %-'! DK.)+'-!\*!37#\$!  
 37' %-'!K-' 1' &'\*\*)-\*!15'!3)!='K'-% '\$&%\$8!DK#&345.!%4'!' ; '\$3\*!#3!#!+ )5\$8' -!#8' !UO+) )TR#1' 7'!3!#./S!  
 ABACVS! (5-%\$8!37' !E-' #3!9' &'\*\*%)\$!%\$!37' !.#3' !ABBB\*!/D#\$+!E '\$!W!D' DT'-\*!P%3\$ '\*\*' 1!4#D%.+!  
 D' DT'-\*!.)%\$8!37' %-'!Y)T\*!1' \*K%3' !37' %-'!7#-1!P)-Q!UE#T-%' .); #!e !a5&7Q)/!ABA@VS!O\*!#!-'\*5.3!  
 E '\$!W\*!7#; '!#!D)-'!5T\*3#\$3%#.!\$' 1!4)-!Y)T\*! &5-%3+!#\$1!4%\$#\$%#.!\*3#T%.%3+!37#\$!%\*!1' D)\$\*3-#3' 1!  
 T+!37' %-'!>%. '\$\$%#.!&).. '#85'\*\$!

202

' 5&\*&.#+2' \*#!6&,0%+,!

, 7'!: \$% ; '-\*%3+)4!<7) '\$%=!2#-' -!6\$\*3%353' f\*!ABAC!, &-...-\$DI'5A5:A\$E\*+. F \$UE\*+. FV!  
 -'K-'\* '\$3\*!#\$!#\$#.+\*%\*!)4!1#3#!&).. '&3' 1!4-)D!/[BBB! : \$%3' 1!\_3#3' \*!U : \_V!#15.3\*!#8' !@Fg!P7)!P '-!  
 '%37' -!P)-Q%\$8!)-!P%\*7' 1!3)!T'!P)-Q%\$8/!#\$1![B@! : \_!' DK.)+'-!\*!&)\$&'-\$%\$8!37' %-'!L\* '\$\* '!)4!  
 )K3%D\*#D!#T)53!37' %-'!&#-' '-\*!%\$!37' !&)\$3'=3!)4!P)-QK.#&'!/&)\$)D%&/!#\$1!\*)&' 3#.#3-' \$1'!/#\$1!  
 &7#..' \$8' \*N!UK8S! ?VS!>%. '\$\$%#.!8' '\$' -#3%)\$!' DK.)+' \*!-'K-'\* '\$3' 1!?'b \!)4!37' !-'\*K)\$1' \$3\*!U\$h!  
 @/FBBVS!E '\$!W!' DK.)+' \*!-'K-'\* '\$3' 1!@[ \!)4!-'\*K)\$1' \$3\*!U\$h!Z[BV!P%37!37' !-'D#\$1' -!)4!  
 'DK.)+' !K#-3%&K#\$3\*!1% ; %1' 1!T' 3P' '\$!37' !-'D#%\$8!P)-Q4)-&'!8' '\$' -#3%)\$\*!/a))D'-g!U@b \!/\$!  
 h!FBBV!#\$1!E '\$!d!U?? \!/\$!h!@/b[BVS!E '\$' -#3%)\$#.!-'\*K)\$\* '!' -'5.3\*!P' -!\$)3!-'K)-3' 1!4)-!#..!1#3#!  
 #\$\$#.+\*%\*!&#3' 8)-% '\*!%\$!37' !E\*+. FS! ` )P' ; '-!/%\$!#...!T53!)\$'!)4!37' !&#3' 8)-% '\*!UP#8' !\*3#8\$#3%)\$V!  
 P7' -'!37' +!P' -!'-'K)-3' 1!>%. '\$\$%#.!#\$1!E '\$!W!-'\*K)\$1' \$3\*!%\$1%&#3' 1!7%87' -!' ; '.\*)4!&)\$&'-\$!  
 #T)53!P)-QK.#&'!%\*5' \*!37#\$!37' %-'!). 1' -!8' '\$' -#3%)\$!&).. '#85'\*\$!



>)-'!37#37-' 'IM5#-3'-'\*)4!>%..'\$\$%#.\*!UZZ \ V!#\$1!E '\$!W\*!UZb \ V!-'\*K)\$1'1!3)!37'!E\*+.F!  
 37#3!37'+!\$' '1'1!3)!%DK-); '!37'%-!\*Q%...!'3\*!4)-!&#-' '-!#1;#\$&'D'\$S!9 '\*K)\$1'\$3\*!#.\*)!%\$1%&#3'1!  
 37'+!\$' '1'1!7'.K!#&M5%-!\$8!37)\*'!\$' P!\*Q%...!U>%..'\$\$%#.\*!bF \ c!E '\$!W\*!/Z@ \ VS!\_%=3+!K'-'&'\$3!)4!  
 >%..'\$\$%#.!#\$1!E '\$!W!E\*+.F!-'\*K)\$1'\$3\*!\*3#3'1!37'+!\$' '1'1!3)!#&M5%-'!\$' P!\*Q%...!P%37%\$!37'!

#T%.%3+!3)!1 '#.!P%37!K#\$1 'D%&!\*%35#3%)\$\*!#\$1!37'-%-!&)D4)-3!.' ;'.!P%37!-'D)3'!P)-Q%\$8!#.3'-'1!37'-%!

K'-'&'K3%)\$\*!)4!P7#3!#-'!#\$1!#-'!\$)3!K-'4'-'#T.'!P)-Q!'\$;%-)\$D'\$3\*!UOD#.##!ABAAS!!

i )-!>%..'\$\$%#.\*!#\$1!E '\$!W\*/!37'!%1 '#.!Y)T!)44'-'\*!37'D!K5-K)\*'!/45.4%..D '\$3/!#KK-'&#3%)\$!

4)-!37'-%-!&)\$3-%T53%)\$\*!/#\$1!&)\$3%\$5#.!8-) P37!)KK)-35\$%3%'\*!

7)5\*'7).1!D);%\$8!'=K'\$\*'\*!3)!#33-#&3!\$'P!7%- '\*S! j )5\$8!Y)T!&#\$1%1#3'\*!P%..!T'!D)- '! '#\*%+.+!  
 -' &-5%3'1!T+!'DK.)+ '-\*!P7)!44'-!37'D!&)DK-'7'\$\*%; '!D'1%&#./!1'\$3#./!; %\*%)\$!/#\$1!D'\$3#.!7'#.37!  
 %\$\*5-#\$&'!&); '-#8'!#\$1!P7)!%\$&.51'!4%\$&%#!.!.%3' -#&+!'15&#3%)\$!#\*!K#-3!)4!37'!&)DK#\$\$+f\*!  
 'DK.)+'!1'; '.)KD'\$3!K-)8-#DD%\$8\$!

**F=,G2%2\*8!#\* /!H. '(&,2' \*#%! I&J% ' =< &\*+!**

O!.#&Q!)4!'DK.)+ '-I\*5KK)-3'1!K-)4'\*\*\*%)\$#.!'1'; '.)KD'\$3!#\$1!\*Q%..\*!3-#%\$8!



1%8%3#..+S! , 7 '+!#-'!&)D4)-3#T.'!P%37!3' &7\$).)8+!#\$1!K-'4' -!#!3' &7\$).)8%&#.!#KK-)#&7!3)!.'#-\$%\$8/!

\*5&7!#!K)1&#\*3\*/!8#D%4%' 1!

!

F!

'DK.)+' '\*!U\_#='\$#!ABACVS!

**6&(&.&\*1&,!)**

OD#.%#/#!9S!UABAAVS!2#-'-!27)%&'!)\$!E '\$!j !#\$1!W!#43'-!37'!K#\$1'D%&!2GH6(I@J!O!\*)&%#.!&)8\$%3%;'!

&#-'-!37')-+s!6\$!=-"(. .+5\*<:\$">\$').\$, ".\*>.-.\*(\$">\$=:7() "6"<7&\*+\$46"0-5:)5\*<\$KOA&\*5'7S

E#T-%'.);#/'^s/!e!a5&7Q)/!OS!UABA@VS!`'-!&)D'!\*E'\$'-#3%)\$!W!>%..'\$\$%#.\*!#!D#8'-'\*!

RO:5\*.:\$K"-5S"\*:/!B3UCV!CFJICJJS!

733K\*1kkPPPS\*&% '\$&'1%- '&3&)Dk\*&% '\$&'k#-3%&.'kK%%k\_BBBZbF@?A@BBB@[ d!

`#-3'-'!S!UABACVS!,7'!'\$'P!&7#..' '\$8'!)4!' '\$8#8%\$8!+)5\$8'-'!P)-Q'-'\*!G&660IS!

733K\*1kkPPPS8#..5KS&)DkP)-QK.#&'kb@BF[bk\$'PI&7#..' '\$8'I'\$8#8%\$8I+)5\$8'-'I

P)-Q'-'\*#\*K=!

`53#\$5/!OS/!a'-3'#/!<S/!e!643)1'S!(S!UABABVS!E'\$'-#3%)\$!W!\*!8)%\$8!3)!P)-QS!X7#3!#-'!%3\*!

'=K'&3#3%)\$\*p!6\$!N).\$40'0-.'\$>\$T+O(&'5"\*!U@B37!01%3%)\$VS!<%='.!6\$3'-\$#3%)\$#.!2)\$4'-'\$&'\*S!

733K\*1kk&)\$4'-'\$&'SK%='.I)\$.%\$'S\$'3k4%.'\*k4)'k'1BB@Bki<kbbAJI\_0(Cb?FIi<LiGO@BSK14!

643)1'/(S!UAB@JVS!E'\$'-#3%)\$!W!#S!1!.'#-\$%\$8!\*3+.'\*S!/TOU=-&('5(&6\$OII65(&'5"\*\$">\$/ (5.\*(.S!ZUA@V!

A[ [qAbAS!733K\*1kk\*'#)K'\$-'\*'#-&7\$'5k")5-\$#.\*k#-3%&.'\*k\_<O\_rA@r@ASK14!

^5D#-!/HS!UABA?/!OK-%.!@FVS!E'\$!W!%\$!37'!P)-QK.#&'1!` )P!\*7)5.1!&)DK#\$%\*!#1#K3p!(!")\*:\$

<#5.%\$#/#!2S! e!0-\$#P#3%/!0S!UABAAVS!` ) P!3)!1';'.)K!. '#-\$%\$8!\*3+.'\*!3)! '\$&)5-#8'!E '\$!W' -\*!%\$!37' %-!

#&#1 'D%&!K!-4)-D#\$&'!#\$!P)-Q4)-&'S!/O-\*&6\$R. ( " : : P\$3UAV/!@A@I@?AS!!

95' /!<S!UAB@FVS!> #Q'!P#+/!> %.. '\$\$%#.\*!7'-'!&)D' \*!E '\$!W!/O#"O'\$, &AIO:V\$T\*-5( )5\*<\$') . \$

/O+. \*\$C. &- \*5\*<\$TFI. -5. \*(./!HWU?V/[q@AS!733K\*Ikk1)%S)-8k@BS@@ZZk@BFbCFAA@FFBCA[ @!

\_#='\$#/#O!/UABACVS!> '\$3)-%\$8!#3!P)-Q!O!3#. '\$3!1';'.)KD '\$3!3)).!4)-!E '\$! j !#S!E '\$!WS!

? . @. 6"IA. \*'\$&\*+\$C. &- \*5\*<\$5\*\$D-<&\*5S&'5"\*:P\$WXU@V!A?IAbS!

733K\*Ikk P P P S' D' -#. 1S&)Dk%\$%873k&)\$3'\$3k1)%k@BS@@BFk ( mGIB?IABA?IBBZJK45..k73D.!

,%DD' \*!> S!UABAA/"5\$!AZVS!> %.. '\$\$%#.\*!#S!E '\$!W!n) P!\*!37'!3%D'!3)!- '\*7#K'!T5%\$'\*\*\*'!3)!!

7#-\$'\*\*\*!37' %-!K) P' -S!4"-# . :S!733K\*Ikk P P P S4)-T'\*\$&)Dk%3'\*k4)-T'\*)&#&7'\*)&)5\$&%.k!

ABAAkBbkAZkD%.. '\$\$%#.\*I#S!I8'\$IRIS) PI%\*I37' I3%D' I3)I- '\*7#K'IT5%\$'\*\*\*'!3)I7#-\$'\*\*\*I

37' %-!K) P' -kp\*7h [ [ [BA@4[&JF?!

, P '\$8' /!"S> S!UABA?VS!G. \*. -&'5"\*:V\$N). \$-. &6\$+5>>. - . \*(. : \$#. 'M. . \*\$G. \*\$JP\$%566. \*\*5&6: P\$G. \*\$YPS

R""A. -:P\$&\*+\$/56. \*': ZO\*+\$M)&'\$'). 7\$A. &\*\$>"-\$OA. -5(&[:\$>O'O-.P!O3-%#!a))Q\*\$!

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