

=&>& ! #3/34)#& ? \$/*)#& (\$)#*+&61)4*34- . &@A& ! BC& D)##&E;E=& F-\$5G)H51&JKA;&<&9K;;&LM . M&

Å

N/5*1-4*''1K! "#\$!%&'()*!+,,-&../!+0\$ "\$/! 1 \$2\$/!345567/!855! ! ! ! ! !!!! 7 ''34\$&O''4)*3''/K! 1 +4!9:;<! P.)3#K!=,,-&..>?@

;;

B\$4''..\$/G\$G&F\$X*K!

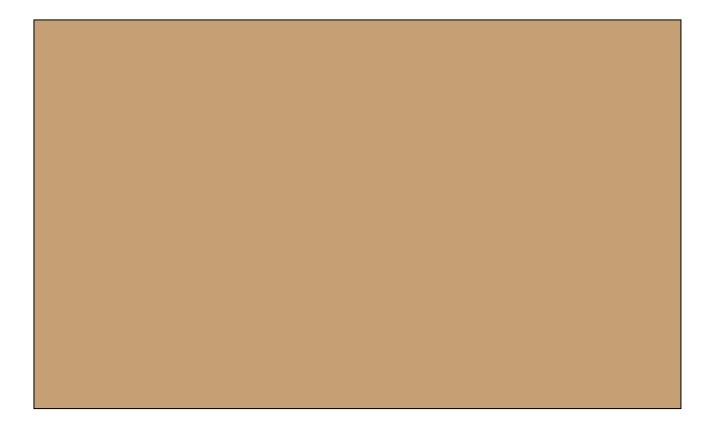
 $+ \#S\&\#O/! \setminus \$!M\$!D9: ?GH\$! <= \$0\#\%''(+> '\#)\$\#?#.; \$\%\&'()\#*\&.\$)''\&'*2\$9(\&:$

- Q-O=!*BO!#=P=-O=!P&B'.#)P.-O=!S==ON*PC!
- N=!&K=B!.&!(=*#-BQ!S==ON*PC!S#&L!K==#'/!')K=#O-'&#/!*BO!-B'.#)P.&#!
- .(&)Q(.S),,J!-LK,=L=B.!S==ON*PC!#=P=-O=O!S#&L!K==#'/!')K=#O-'&#/!*BO!-B'.#)P.&#!
- &K=B,J!'(*#=!=fK=#-=BP='/!.(&)Q(.'/!*BO!S==,-BQ'!*'!*!N=Q-BB-BQ!P&)B'=,&#!
- N=!K#=K*#=O!S&#!N&.(!-BO-O-O)*,!*BO!Q#&)K!')K=#O-'-&B!
- #='K=P.\$),,J!*''=#.!O-=R'!-B!Q#&)K!*BO!-BO-O-O)*,!')K=#O-'-&B!

JC 713\$/*)*3''/&6)L\$15&@ECK!7.)0=B.'!R-,,!N=!*''-QB=0!.R&!K*K=#'!-B!R(-P(!.(=J!R-,,!=fK,&#=!.(=-#! *KK#&*P(!.&!.(=!P&)B'=,-BQ!K#&P=''\$!4#&LK.'!R-,,!N=!K#&0-0=0!NJ!.(=!S*P),.J!')K=#0-'&#\$!7.)0=B.'!R-,,! 0-Q-.*,,J!')NL-.!.(=-#!K*K=#'!.&!.(=!-B'.#)P.&#!S&#!#=0-=R\$!&

'**44#9\$**''**6**\$0**4**!0%3\$**62**!#\$**!**:106!''**1**;!\$<0!=**6**!**1**>>**6**50**62**!?<**3**!>**362**#0**6**\$!**2**''-QBL=B.'!*#=!**0**)=!NJ!.(=!**0***.=!-B**0**-P*.=**0**!&B! .(=!'**J**,,*N)'\$!M(&)Q(!<u>(-Q(,J!)B,-C=,J</u>/!,*.=!*''-QBL=B.'!<u>L*J</u>!N=!*PP=K.=**0**!*.!.(=!-B'.#)P.&#Y'!**0**-'P#=.-&B!R-.(! $\begin{aligned} & \texttt{K} = \texttt{K$

- å
- $\begin{array}{l} \textbf{T} & \underline{<\&\#! \ \#\&) \ K!7 \ K=\#0-'\&B}_{!!} \ ") \ \#BQ!. \ (=!'=L='.=\#/!'.) \ 0=B. \ '!'(\&), 0!=fK=P. \ !*B0!N=!K\#=K*\#=0!.\&! \\ & S\&\#L*, J!K\#='=B.!) \ \#\#\$) \ 5^{*}\&^*S''!\&S!. \ (=-\#!P\&) \ B'=, -BQ!'=''\&B'!.\&!. \ (=!4\#*P.-P) \ L!P, \ ''!S\&\#!Q\#\&) \ K! \\ & \#=O-=R/!O-'P)''-\&B/!*B0!S==ON*PC\$!!+*P(!P*'=!K\#='=B.*.-\&B!'(*,,!-BP,)O=_!D*H!S),, !P*'=! \\ & P\&BP=K.)*,- \end{array}$



TB.=#B=.!*'!J&)!O&!-B!P,*''\$!<==,!\$#==!.&!O-'*Q#==!R-.(!*BJ!-O=*'!=fK#=''=O/!N).!R&#C!.&!C==K!.(=! O-'P)''-&B'!K&,-.=!*BO!\$&P)'=O!&B!P&)#'=!-O=*'\$!

Q35L''53*3''/)#&PXL\$4*)*3''/5&)/G&6\$15''/)#&6\$1'''1.)/4\$K&

 $\begin{array}{l} X_{-}(!.(*.!-B!L-BO/!'.)O=B_{-}!!*#=!=fK=P_{-}=0!.\&!O=L\&B'.#*.=!K=#'\&B*,!-B_{-}=Q#_{-}J!*BO!*!P\&LL_{-}L=B_{-}!\&!\\ K\#\&S=''-\&B*,!O=O=,\&KL=B_{-}!.(#\&)Q(\&)_{-}!.(=-#!4#*P_{-}P_{-})L!=fK=#-=BP=5!!M(=J!*#=!=fK=P_{-}=O!.\&!P\&BO)P_{-}!\\ .(=L'=,O='!-B!*B!=.(-P*,!*BO!#='K\&B'-N,=!L*BB=#!*BO!N=!R_{-},-BQ!.\&!Q_{-}O=!*BO!#=P=-O=!P\&B'.#)P_{-}O=!S==ON*PC!\\ \#=,*=O!.\&!4#*P_{-}P_{-}L!*P_{-}O_{-}-='$!!M(='=!ZB\&B6*P*O=L-P[!*'K=P_{-}'!&S!.(=-#!K=#S\&#L*BP=!R_{-},!N=!=O*_{-},*=O!*.!\\ .(=!=BO!\&S!.(=!4#*P_{-}P_{-})L!P\&)#'=!-B!*PP\�*BP=!R_{-}.(!.(=!Z4#\&S=''-\&B*,!4=#S\&#L*BP=!a=O=R[!'.*BO#O'!\\ \&)_{-}-B=O!-B!.(=!7_{-})O=B_{-}!]*BON&\&CS!?''G$1)*$<*''<53''/3'34)/*&G3''34_{+}#*3$5&S3*+&''/$&''1& ''1& ''1&G35L''53*3''/5&\\ .)H&1$5_{-}#&3/&'3&+1&*''&*+$&'''-15$I&3/)T3#3*H&*''&''/*3/-$&''&N/*$1/5+3L&!'7&8&9:=&''1&9:ECI&)/G''1&*+$&\\ G$2$#''L . $/*&'''&)&61'''$553''/)#&Q2#''L . $/*&6#)/&!! \\ & \end{array}$

61'''\$553''/)#**P***+**345***k*)/**Gk61'''\$553''**/)#**35**. K!M(=!5&)B'=,&#!+0)P*.-&B!K#&Q#*L!')N'P#-N='!.&!.(=!2 L=#-P*B! 5&)B'=,-BQ!2''&P-*.-&B!D252H!5&O=!&S!+.(-P'!*BO-1(!)-1(D)-1(OH)-!&''-1(!)TJE.24P-*P&OTJE.24E.24Q46ET79-1(&B! $\label{eq:solution} \begin{array}{l} *0(=\#=!\&!(=!(-Q(='.!0=Q\#==!\&S!=.(-P*,!-B.=Q\#-.J!-B!*P*0=L-P!P\&BO)P.\$!T.!-'!*!P\&LL-.L=B.!-B0-O-O)*, J!*B0!\\ P\&,=P.-0=,J!.(*.!.(=!'.)0=B.'!\&S! & \&\#.(=\#B!k=B.)PCJ!hB-0=\#'-.J!R-,,!B\&.!,-=/!P(=*./!\&\#!K,*Q-*\#-V=!.\&!Q*-B!*B!\\ *P*0=L-P!*00*B.*Q=!&0=\#!S=,,&R!'.)0=B.'!\&\#!*0&-0!*P*0=L-P!\#=U)-\#=L=B.'\$! \end{array}$

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M(=!K)#K&'=!&S!.(=!]&B&#!5&O=!-'!.&!='.*N,-'(!'.*BO*#O'!&S!*P*O=L-P!P&BO)P.!S&#!'.)O=B.'!*.!8&#.(=#B! k=B.)PCJ!hB-O=#'-.J!*BO!.&!K#&O-O=!*!K#&P=O)#=!.(*.!&SS=#'!N*'-P!*'')#*BP='!&S!S)BO*L=B.*,!S*-#B=''!.&!



! '' - / 5\$#3 / %&OZ3##5&PXL\$4*) *3'' / 5K&&

 $\begin{array}{l} 4\#*P.-P) L!'. 0=B. '!*\#=!=fK=P.=0!.\&!0=L\&B'.\#*.=!P\&LK=.=BPJ!-B!'=0=\#*,!'C-,,!*\#=*'!-BP, 0-BQ_!)'=!\&S!\&K=B!\\ *B0!P,\&'=0!U)='.-\&B'/!K*\#*K(\#*'-BQ/!\#S,=P.-BQ!S==,-BQ/!') LL*#-V-BQ/!=LK*.(J/!P&BS#&B.*.-&B/!'-,=BP=/!\\ \#=S,=P.-&B!\&S!L=*B-BQ/!*B0!Q&*,!'=..-BQ$!TB!*00-.-&B/!'. 0=B.'!*#=!=fK=P.=0!.&!') PP=''S),,J!K#='=B.!#=P&\#0=0!\\ '=''-&B'!R(-P(!0=L\&B'.\#*.=!.(=!P\&)B'=,&\#Y'!*N-,-.J!.&!).-,-V=!.(=!,-'.=0!'C-,,'!-B!*!!&"#',#(0$/(2$+(0#(0+&(/*$5/)''+&($!7.)0=B.'!L)'.'!*,'&!=f(-N-.!.(=!*N-,-.J!.&!)'.+)"+!*!P&)B'=,-BQ!'=''-&B!S#&L!N=Q-BB-BQ!.&!=B0/!\\ -BP, 0-BQ!&N.*-B-BQ!B=P=''*#J!-BS&#L*.-&B!R(-,=!C==K-BQ!K=#'&B*,!*Q=B0*'/!0*,)='/!*B0!-'')='!&).!&S!\\ P\&)B'=,-BQ!'=''-&B'$!N/)T3#3*H&*''&4''/*33*$*/*#H&G$.''/5*1)*$&4''-/5$#3/%&5Z3##5&.)H&1$*5-#*&3/&')3#-1$&'''&*+$&4''-15$H&3/)T3#3*H&*''&N/*$1/5+3L&!?$

 $\frac{! 1 \$ G 3^{*} \& ("-1 \& 6" # 34 H \& 0^{*}) * \$. \$ / * !}{TB !* PP \& #0^{*}BP = !R - . (! \$ - P J /! 8 \& h ! 0 = \$ - B = '! * !P #= 0 - .! (\&) # !* '! . (=! * L \&) B .! \& \$! R \& #C ! #= K #= '= B .= 0! - B! . (=! * L \&) B .! \& S! R \& #C ! #= K #= '= B .= 0! - B! . (=! * L \&) B .! \& S! R \& #C ! #= K #= '= B .= 0! - B! . (=! * L \&) B .! \& S! R \& R &= C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B! . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B . (=! * L \&) B .! \& S! R \& R = C != B .= 0! - B . (=! * L \&) B .! \& S! R \& R = C .= 0! = B .= 0! - B . (=! * L \&) B .! \& S! R \& R = C .= 0! = B . (=! * L \&) B .! \& S! R \& R = C .= 0! = B .= 0! = B . (=! * L \&) B .! \& S! R \& R = C .= 0! = B .= 0! = B .= 0! = B . (=! * L \&) B .! \& S! R \& R = C .= 0! = B .= 0! = B . (=! * L \&) B .! \& S! R \& R = C .= 0! = B . (=! * L \&) B .! \& S! R \& R = C .= 0! = B . (=! * L \&) B .! \& S! R \& R = C .= 0! = C .= 0!$ *P(-=O=L=B.!&S!'.)O=B.!,=*#B-BQ!&).P&L='!DO=#-S-=O!NJ!=O-O=BP=!&S!'.)O=B.!*P(-=O=L=B.H!.(*.!#=*'&B*N,J!

 $TB!*00-.-\&B/!J\&)!'(\&),0!N=!*R*#=!\&S_!$

- +0*,)*.-&B'!P*B!*\$\$=P.!P(*BQ='!-B!P&)#'='\$!+O*,)*.-&B'!R-.(&).!P&LL=B.'!*#=!,=''!O*,)*N,=!*BO! ,=''!P#=0-N,=!.(*B!.(&'=!\$-,,=0!&).!.(&)Q(.\$),,J\$!5&LL=B.'!.(*.!*#=!=fK#=''=0!R=,,!*#=!L&#=! =\$\$=P.-O=!.(*B!.(&'=!.(*.!*#=!B&.\$!
- 4&'-.-O=!S==ON*PC!-'!>)'.!*'!-LK&#.*B.!*'!P#-.-P-'L\$!1 &#=&O=#/!B=Q*.-O=!=O*,)*.-&B'!R-.(&).!*BJ! =fK,*B*.-&B!*BO!'K=P-S-P'!*#=!B&.!='K=P-*,,J!)'=S),\$!
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