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C.X).&'&'9*<''0*%9(7.%'(+,('2/''8*'''*"\$%B.&'(@+'./"*<''8*'''*"; (&6(5,(%."	S=
H77('(*%+,"G<*B(&(*%&"	SF
$H55.\%7(4"HV"; (\&6(5,(\%+<2"C.\&*,)'(*\%"*9"+"^<(.B+\%6."*9">(',."$E"J.4)+,"O+<+\&1.\%")))))$	=!
8*'(6."*9"\$%B.&'(@+'(*%"	=!
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J+%6'(*%&"+%7"C.1.7(.&"	=F
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$ \begin{array}{l} H55.\%7(4"\ 0\ V"\ ;\ (\&6(5,(\%+<\!\!2"\ C.\&^*,)\ '(*\%"\ *9"\ +"\ \land<\!(.B+\%6."\ *9"\ 8\ *\%:>(',."\ \&E'\ Q(\&6\ *\%7)6'''\ H@+H7\ 1\ (\%(\&'<\!+'*<\!/"J'+99"\ Q.\ 1\ N.<\!''*<\!''L+6)\ ,'2"\ Q.\ 1\ N.<\!'' \\ \end{array} $	•(%&'" F=

; :&&&&A'B, +7! < +7 - \$:1!98 = = -, &/!'' > ? \$%&+&'B, :1!+, @!A8&'%\$!8#!A8, B C':%.'=', +&'8, !

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8*" 5.<&*%" (%" '?." W%('.7" J'+'.&" &?+,,/" *%" '?." N+&(&" *9" &.4/" N.".46,)7.7" 9<* 1" 5+<'(6(5+'(*%"(%/"N."7.%(.7"'?."N.%.9('&"*9/"*<"N."&)Nb.6'.7"'*"7(&6<(1 (%+'(*%")%7.<" +%2".7)6+'(*%"5<*@<+ 1 "*<"+6'(B('2"<.6.(B(%@"L.7.<+,"9(%+%6(+,"+&&(&'+%6.a"

 $\begin{array}{l} J.4)+,"?+<\!\!+\&\&1.\%''(\&"+,\&*"5<\!\!*?(N('.7")\%7.<\!\!">(',."$E/">(',."-$$"*9"'?."O(B(,"C(@?'\&"H6'"*9"'![K=/"'?."O+,(9*<\%(+"L+(<"315,*21.\%'"+\%7"O*)\&(\%@"H6'/"+\%7"*'?.<"+55,(6+N,."&'+')'.&a">?(\&"G*,(62"5<\!\!*?(N('\&"a,4)+,"?+<\!\!+\&\&1.\%'"+@+(\%\&'"U66(7.\%'+,"6*11))('2"1.1N.<\!\!&"*9"+\%2"\&.4/"\&.4)+,"*<(.\%'+'(*\%/"@.\%7.<"(7.\%'('2/"*<"@.\%7.<".45<.&&(*\%"(\%"'?."6*\%'.4'"*9".7)6+'(*\%"*<".15,*21.\%'a">?(\&"G*,(62"+,\&*"')(*'')*(*'$

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\"0*%7)6'"'?+'"*66)<&"(%"'?."6*%'.4'"*9"0*,..@.".15,*21.%'"*<".7)6+'(*%"</pre>

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>?(&"G*,(62"+55,(.&"'*"+,,"<.5*<'&"*9"G<*?(N('.7"0*%7)6'"<.6.(B.7"*%"*<"+9'.<"'?.".99.6'(B."7+'."*9"')?(&"G*,(62a"\$9"'?."+,,.@.7"G<*?(N('.7"0*%7)6'"*66)<<.7"N.9*<."'?.".99.6'(B."7+'."*9"'?(&"G*,(62/"+55,(6+N,."7.9(%('(*%&"*9"1(...**9"))?."6*%7)6'"(%"0*,..@."5*,(6(.&"(%".4(&'.%6."+'"'?."'(1."*9"'?."6*%7)6'"1(,,"N.")&.7"'*"'?."'.4'.%'"'?."'(1."*9"'?."6*%7)6'"1(',"'(%"A(&'.%6."+'"'?."'(1."*9"'?."6*%7)6'"1(,,"N.")&.7"'*"'(%B.&'(@+'."+%7"<.&*,B."+,,"<.5*<'&"1+7."*<'''?+'''+<."''.5.%7(%@"*%"*<"+9'.<"'?.".99.6'(B."7+'."*9"'?(&"G*,(62/"'<.@+<7,.&&*9"1?."(%0(7.%'))))))

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U66(7.%'+,"0*,,.@."I(,,"'+Y."<.+&*%+N,."&'.5&"'*"<.&5*%7"'*".+6?"(%6(7.%'"*9"&.4)+,"?+<+&&1.%'"

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- H%"315,*2..."6*%7('(*%&"'?.."5<*B(&(*%"*9"+%"+(7/"+"N.%.9('/"*<"+"&.<B(6."*%"+%"(%7(B(7)+,A&"5+<'(6(5+'(*%"(%"))%I.,6*1.."&.4)+,"6*%7)6'"\(a.a/" "&.4)+,"?+<+&&1..%']/"I('?(%" '?."W%('.7"J'+'.&i"*<")</p>
- H"J')7.%'/"315,*2../"*<">?(<7"G+<'2".%@+@.&"(%")%I..6*1."6*%7)6'"*%"'?."N+&(&"*9"&.4" '?+'"I*),7"N."7.'.<1(%.7"N2"+"<.+&*%+N,."5.<&*%"'*"N."&*"&.B.<./"5.<B+&(B./"+%7"*Nb.6'(B.,2" *99.%&(B."'?+'"('".99.6'(B.,2"7.%(.&"+%*'?.<"5.<&*%".X)+,"+66.&&"'*"'?."0*,,.@.A&"5<*@<+1&" *<"+6'(B('(.&/"(%"'?."W%('.7"J'+'.&i"*<"")
- H" J')7.%'/" 315,*2../" *<" >?(<7" G+<'2" .%@+@.&" (%" J.4)+," H&&+),'/" ;*1.&'(6" (*,.%6./" ;+'(%@" (*,.%6./"*<"J.4)+,"+%7g*<"^.%7.<:N+&.7" J'+,Y(%@"+&"7.9(%.7"N.,* I i"+%7"
 - >?."+,,.@.7"6*%7)6'"I+&"5.<5.'<+'.7"+@+(%&'"+"5.<&*%"(%"'?."W%('.7"J'+'.&i"+%7"
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 $0 * \%7) 6''' + Y. \&''5, +6." I ('?(\%''?."_0*, .@.A\&''5<*@<+1 \&''+\%7"+6'(B('(.\&`"I?.\%''?+''6*\%7)6''*66)<\&V'')!]" (\%''+,*6+'(*\%/'+''+\%''.B.\%'/'*<''(\%''+'6(<6) 1 \&'+\%6." I ?.<.'''?."0*, ..@.".4.<6(\&.\&''\&)N\&'+\%'(+,"6*\%'<*,"*B.<'''N''?''?.''c.&5*\%7.\%''+\%7''?.''6*\%'.4'''(\%'' I ?(6?''?.''6*\%7)6''*66)<&i''*<''\#]"(\%''+\%2"N)(,7(\%@''*I\%.7"*<'''c.*''*6*\%'.4'''(\%'''c.6*@%(d.7"N2"'?.''0*, ..@.a"3B.\%'&''?+''*66)<''*99"6+15)&''*<'''(\%''*6+'(*\%\&''I('?''%*''6*\%\%.6'(*\%''*''?.'''0*, ..@."+<.'')\%, (Y.,2'''*''N.''6*\%\&(7.<.7"+''0*, ..@."5<*@<+1"*<'''$

 $>(',."{E"\&.4})+,"+{\&}+),'"({\%}6,)7.{\&}''<+5./"9*{\%}7,({\%}@/"({\%}6.{\&}'/"*<"{\&}'+')'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V"})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V"})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}{V'})'*<2"<+5./"7.9({\%}.7"+{\&}"9*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I\,{\&}"V')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{\&}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7"+{`}"2*,,*I')'*<2"<+5./"7.9({\%}.7$

- f L*%7,(%@"(&"'?."'*)6?(%@"*9"'?."5<(B+'."N*72"5+<'&"*9"+%*'?.<"5.<&*%"9*<"'?."5)<5*&."*9"

J.4)+,"*<"<* 1+%'(6"<.,+'(*%&?(5&"(%" I ?(6?"*%."5+<'2" 1+(%'+(%&" k "+%7"9+(,&"'*"5<* 15',2"<.5*<'"+%7" 7(&6*%'(%)." k "

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315,*21.%'"0*11(&&(*%"_33U0`]a"

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<.5*<'"(&",+'.<"%*'"5<*B.%a"

 $\begin{array}{l} & & \\ & >?."0*, ..@."I(,,"'+Y."(1 1.7(+'."+\%7"<.\&5*)\&(B."+6'(*\%"'*"+\%2"<.5*<'"*9"<.'+,(+'(*\%"+\%7"I(,,"5)<\&).") \\ & & 7(\&6(5,(\%+<2"+6'(*\%"+\&"+55<*5<(+'.a"H\%"(\%7(B(7)+,"<.5*<'(\%@"G<*?(N('.7"0*\%7)6'"(\&".\%'(',.7"'*"5<*'.6'(*\%"9<*,1"+\%2"9*<1"*9"<.'+,(+'(*\%"9*,,*I(\%@"+"<.5*<'"'?+'"(\&"1+7."(\%"@**7"9+('?/".B.\%"(9"'?.")) \\ & & 5<*'.6'(*\%"9<*1"+\%2"9*<1"*9"<.'+,(+'(*\%"9*,,*I(\%@"+"<.5*<'"'?+'"(\&"1+7."(\%"@**7"9+('?/".B.\%"(9"'?.")) \\ & & & & \\ \end{array}$

+,,.@+'(*%&"*9"G<*?(N('.7"0*%7)6'a"

 $^{0^{*}...@.&}quot;5<^{*}@<+1"^{*}<^{+}6'(B('2^{*}).a@a/"6+15)\&"?^{*})\&(\%@]a$

 $\begin{aligned} & 3B. \%''(9"+\%". 15, *2..."*9"'?."0*, ..@." \setminus .46,)7(\%@"\&')7. \%'". 15, *2..\&]"7*.\&"\%*'"?*,7"+"5*\&('(*\%"*9"+)?*<('2"*B.<"+\&')7. \%'/"+\%2"\&.4)+, "*<"<*1+\%'(6"<.,+'(*%\&?(5"N.'I...\%"+\%".15,*2..."+\%7"+"\&')7. \%'"*9"'?."0*, ..@."6*),7"b.*5+<7(d."'?."(\%'.@<('2"*9"'?."+6+7.1(6"+\%7",(B(\%@".%B(<*%1.%'"*9"'?."U66(7.\%'+,"6*11))%('2"+\%7"7+1+@."'?."\&')7.\%'a">?.<.9*<./"&.4)+, "*<"<*1+\%'(6"<.,+'(*%\&?(5\&"N.'I...\%"+\%".15,*2..."+\%7"+\%2"\&')7.\%'"*9"'?."0*, ..@."+<."5<*?(N('.7a"H"\&.4)+,"*<"<*1+\%'(6"<.,+'(*%\&?(5","'1+2"<.\&), '"(\%'7(\&6(5,(\%+<2"+6'(*\%"+@+(%\&'"'?.".15,*2.../")5"''*"+\%7"(\%6,)7(\%@"7(\&1(\&\&+a"")*)))) \end{aligned}$

=%>"1"#"31/&3>&?%@&!%.0/&,17&A#9%.&B31/"7%.,#"31/&

>*" 5<*B(7."6,+<('2"+&"'*"'?."Y(%7&"*9"N.?+B(*<"'?+'"6*%&'(')'."G<*?(N('.7"0*%7)6'/"'?."0*,,.@." 7.9(%.&"Y.2"'.<1&"I?(6?"I(,,"N.")&.7"(%".B+,)+'(%@"I?.'?.<"G<*?(N('.7"0*%7)6'"?+&"*66)<<.7a"

 $\begin{array}{l} _ H99(<1+'(B."0*\%\&.\%'`"(\&"+\%"+99(<1+'(B./"6*\%\&6(*)\&/"+\%7"B*,)\%'+<2"+@<..1.\%'"'*".\%@+@."(\%"\&.4)+,"+6'(B('2a"H99(<1+'(B."6*\%\&.\%'"(\&"<.X)(<.7"9*<"+\%2"\&.4)+,"+6'(B('2"'*"*66)<"N.'I..\%"'I*"*<"1*<." (\%7(B(7)+,\&a"\$''(\&"?."<.&5*\%\&(N(,('2"*9".+6?"5.<&*\%"(\%B*,B.7"(\%"'?."\&.4)+,"+6'(B('2"'*".\%\&)<."'?+'''?." 5.<&*\%"?+&"'?."+99(<1+'(B."6*\%\&.\%'"*9"'?."*'?.<\&]"'*".\%@+@."(\%"'?."&.4)+,"+6'(B('2a")) \end{array}$

>?."9*,,*I(%@"+<.".&&.%'(+,".,.1.%'&"*9"+99(<1+'(B."6*%&.%'\"

f

"H.,"

 $+6'(B."<.\&5*\%\&.a"H\%"(\%7(B(7)+,"I?*"7*.\&"\%*"5?2\&(6+,,2"<.\&(\&'"*<"B.<N+,,2"<.9)\&."\&.4)+,"\\+6'(B('2"(\&''\%*''\%.6.\&\&+<(,2"@(B(\%@"6*\%\&.\%'a"C.,2(\%@"\&*,.,2")5*\%"\%*\%:B.<N+,"6*11)\%(6+'(*\%"6+\%",.+7"'*"+"9+,\&."6*\%6,)\&(*\%"+\&"'*"I?.'?.<"6*\%\&.\%'"I+\&"\&*)@?'"*<"@(B.\%a"$

- $\begin{array}{c} f \\ & \underbrace{ "H99(<1+'(B."6*\%\&.\%'''1)\&''N."*\%@*(\%@''?<*)@?*)'''?."+6'(B('2a"0*\%\&.\%'''1+2") \\ N."I('?7<+I\%''N2"+\%2"5+<'2"+''+\%2"'(1.a"C.6*@\%(d(\%@''?."72\%+1(6"\%+')<."*9"\&.4)+,"+6'(B('2") \\ (\%7(B(7)+,\&"6?**\&(\%@''*".\%@+@."(\%"\&.4)+,"+6'(B('2"1)\&'''.B+,)+'."6*\%\&.\%'(\%@"+\%"*\%@*(\%@'') \\ 1+\%\%.<"+\%7"6*11)\%(6+'."6,.+<,2"'?<*)@?*)''+,,,"&'+@.&"*9"\&.4)+,"+6'(B('2a"c('?7<+I+,"*9") \\ 6*\%\&.\%'''6+\%''N."+"B.<N+,,2".45<.&\&.7"_%*`"*<"_&'*5`"*<"6+\%"N."N+\&.7"*\%"+\%"*)'I+<7" \\ 7.1*\%&'<+'(*\%"'?+'''6*\%B.2&"'?+'''+\%"(\%7(B(7)+,"(\&"?."&('+\%'')''6*\%9)\&.7/"))%6.<'+(\%/"*<"(\&"\%"'',*%@.<"+"1)')+,"5+<'(6(5+\%'a"U\%6."6*\%\&.\%'''(\&"I('?7<+I\%/"'?."\&.4)+,"+6'(B('2"1)\&'''6.+\&."'') \\ (11.7(+'.,2/"+\%7"+,,"5+<'(.\&"1)\&''*N'+(\%"1)')+,,2".45<.&\&.7"*<"6,.+<,2"&'+'.7"6*\%\&.\%''' \\ N.9*<."6*\%'(\%)(\%@''9)<'?.<"&.4)+,"+6'(B('2a") \\ \end{array}$

>?."J'+'."*9"0+,(9*<%(+"6*%&(7.<&"&.4)+,"(%'.<6*)<&."I('?"+"1(%*<"\+"5.<&*%")%7.<"'?."+@."*9"!P]"'*" N.")%,+I9),a"H"5.<&*%"I?*".%@+@.&"(%")%,+I9),"&.4)+,"(%'.<6*)<&."I('?"+"1(%*<"7*.&"&*"I('?*)'" +99(<1+'(B."6*%&.%'"+&"7.9(%.7"N2"'?."0*,,.@.A&"J.4)+,"+%7"\$%'.<5.<&*%+,"Q(&6*%7)6'"G*,(62a""

 $\begin{array}{l} _L * < 6. `"(\&"'?.")\&."*<"'?<.+'"*9"5?2\&(6+,"B(*,.\%6."'*"*B.<6*1."+\%"(\%7(B(7)+,A\&"9<...7*1"*9"I(,,"'*"6?**\&."I?.'?.<"%*'"'*"5+<'(6(5+'."(\%"\&.4)+,"+6'(B('2"*<"5<*B(7."6*%\&.\%'a"0*%\&.\%'"*N'+(\%.7"N2"9*<6."(\&"\%*"'B+,(7a"L*<"'?.")\&."*9"9*<6."'*"N."7.1*%&'<+'.7/"'?.<."(\&"\%*"<.X)(<.1.%'"'?+'"+"6*15,+(\%+\%'"<.&(\&'"'?."&.4)+,"+7B+\%6."*<''<.X).&'a"O*I.B.</".B(7.\%6."*9"<.&(&'+\%6."N2"'?."6*15,+(\%+\%""I(,,"N."B(.I.7"+&"+6,.+<"7.1*%&'<+'(*\%"*9"+",+6Y"*9"6*%&.%'a")) \\ \end{array}$

98, #'@\$, &'+7'&/1!**J**.'(+%/1!+, @!**G**\$7+&\$@!**G**\$?**8**.&', E!**G**\$:?**8**, :'6'7'&'\$:!

# 8."C,6@&,17&B31>"7%1#",\$"#@D&E17%./#,17"1F	%&=">>%.%16%/&

 $\begin{array}{l} _G<(B+62)^{0}, 2^{n} 1 ..., 8^{n} ? + ..., 8^{n} ? + ..., 8^{n} ? + ..., 1^{n} ..., 1$

$$\begin{split} & 6*\%9(7.\%'(+,('2a')>?.\&."(\%7(B(7)+,\&"+<."5<*?(N('.7"9<*1"N<.+Y(\%@"6*\%9(7.\%'(+,('2")\%,.\&\&"'?.<"(\&"+\%"(11(\%.\%'"'?<.+'"*9"?+<1"'*"\&.,9"*<"*?.<&a"H\%"(\%7(B(7)+,"I?*"\&..Y\&"6*\%9(7.\%'(+,"+\&\&(\&+\%6."1+2"7*"\&*"N2"\&5.+Y(\%@"I('?"5<*9.\&(*\%+,\&"I?*"?+B."+",.@+,,2"5<*'.6'.7"6*\%9(7.\%'(+,('2a')?."6*\%9(7.\%'(+,"<.\&*)<6.\&"+B+(,+N,."'*"(\%7(B(7)+,\&"*\%"6+15)\&"+<.",(\&'.7"N.,*Ia"8*'./"?*I.B.</"'?+'"'?.\&."6*\%9(7.\%'(+,"<.\&*)<6.\&"+<..."(.X)(<.7"N2"&+'.",+I"'*"%'(92"6?(,7"5<*'.6'(B."\&.<B(6.\&"+\%7g*<",*6+,",+I"))&."*9"+"1(\%*")\%7.<"''?.","e@."*9"!Pa") \end{split}$$

<u>; %G+%/#/&>3.&B31>"7%1#", \$"#@</u>&

 $\begin{array}{l} H"5.<\& ""1+2"7.\& (<."'*"<.5*<'"G<*?(N('.7"0*\%7)6'"'*"'?."0*,..@."N)'"'*"1+(\%'+(\%'6*\%9(7.\%'(+,('2i''))(9'\%*')?."0')(0,...))(0,...))(1,...))(1,....)(1,...)(1,...)(1,...)(1,...)(1,...)(1,...)(1,...)(1,...)(1$

<u>="/6\$3/+.%/&;%G+".%7&:@&!9%&B\$%.@&I6#&</u>

 $\begin{array}{l} H"_>(1.,2" c +< (\%@`" (\&" +" 6+15)\&: I (7." \%" (9(6+'(*\%" *9" +" \&.<(*)\&" *<" 6*\%'(\%) (\%@" '?<.+'" '*" '?." U66(7.\%'+,"6*11) \% ('2a">?.">(1.,2" c +< (\%@"7*.&"\%*''(\%6,)7."(7.\%'(92(\%@"(\%9*<1+'(*\%"+N*))'''?." 6*15,+(\%+\%'a"$9"+<.5*<'"*9" 1 (\&6*\%7) 6'"7(\&6, & \& & "+"6*\%'(\%) (\%@"'?<.+'"(\%B*,B(\%@"*\%."*9"'?."& 5.6(9(.7" _0,.<2"6<(1.&`"'*"'?."U66(7.\%'+,"6*11)) \% ('2/"'?."0*,,.@."1+2"(\&\&)."+"6+15) \&" I (7."'(1.,2" I +< (\%@" `\ I?(6?"6+"'+Y."'?."9*<1"*9"+\%".1+(,"'*"6+15) \&]"'*"5<*'.6'"'?."?.+,'?"*<"&+9.'2"*9"'?."6*11) \% ('2a" ') ('2a" ') \% ('2a" ') ('2a$

 $\begin{array}{l} H_{,,,}?(@?.<".7)6+'(*\%"(\%\&'(')'(*\%\&'')?+''<.6.(B."9.7.<+,"9)\%7(\%@/"(\%6,)7(\%@''?."0*,,.@./"+<."*N,(@+'.7"')) \\ '*"(\&\&)."5)N_{,}(6,2"+\%"H\%)+,"J.6)<('2"C.5*<''_HJC`]"I?(6?"(7.\%'(9(.\&"'?."\%))1N.<"*9"5+<'(6),+<"')) \\ <.5*<'.7"6<(1.\&"*\%"6+15)\&"*<"6+15)\&"5<*5.<'2/"*<"+7b+6.\%'''*"6+15)\&">"HJC"7*.\&"\%*"(\%6,)7."'') \\ (7.\%'(92(\%@''(\%9*<1+'(*\%"+N*))'''?."6*15,+(\%+\%''**<"<.&5*\%7.\%'a")) \\ \end{array}$

 $\begin{array}{l} \text{H,,} ?(@?.<".7)6+'(*\%"(\%\&'(')'(*\%\&"'?+'"?+B."6+15)\&"5*,(6."9*<6.\&"*<"\&.6)<('2"7.5+<'1.\%'\&"1)\&'"1+(\%'+(\%"+"7+(,2"6<(1.",*@"'?+'"(\%6,)7.\&".\%'<(.\&"9*<"+,,"6<(1.\&"?+'"*66)<"I('?(\%"N*'?"'?."0,.<2"@.*@<+5?2"+\%7"'?."6+15)\&"\&+9.'2"9*<6.A\&"<.@),+<"5+'<*,"<*)'.a">?."6<(1.",*@"7*.&"\%*'"(\%6,)7."(\%6,)7."(\%6,)7."(\%6,)7.")(\%6,)7."(\%6,)7.")(\%6,)7."(\%6,)7.")(\%6,)7."(\%6,)7.")(\%6,)7."(\%6,)7.")(\%6,)7."(\%6,)7.")(\%6,)?)(\%6,))$

G\$?8.&',E!O?&'8,:!

 +"<(&Y"*9"?+<1"'*"'?."6*15,+(%+%'/"<.&5*%7.%'/"*<"'

$$\begin{split} HB+(,+N,."*\%" \ I \ .. Y7+2\&"7)<&(\%@"<.@),+<"*99(6."?*)<&a"H66.\&\&"'*";.+\%"*\%";)'2"#="?*)<\&"+"\\7+2" \ N2" \ 6+,,(\%@" \ 0+15)\&" \ J+9.'2" +'' \ S#S]" \ \#F[:\#F[[a" \ 0+\%" +\&\&\&"' \ I \ ('?" <.+\&*\%+N,."+66* \ 1 \ 1 *7+'(*\%\&"9*<"?*)\&(\%@/"+6+7. \ 1 \ (6"9,.4(N(,('2/"+\%7" \ 8*" \ 0*\%'+6'"m.''.<\&a">?.";.+\%"*9" \ J')7.\%'\&" \ I \ (,,"9*<I+<7" +\%2" <.5*<'\&" \ (\%B^*,B(\%@" \ 5*'.\%'(+,"G<*?(N('.7" \ 0*\%7) \ 6'" '*"'?." \ 0(B(,"))) \ (B'') \ (B'$$

 $\begin{array}{l} H^0"L(\langle \&'"L, ** \langle "\\ \underline{I \ I \ I \ a * 42a.7 \)g * 99(6.\&:\&. \langle B(6.\&g?) \ 1 + \%: \langle .\& * \rangle \langle 6.\& "\\ \langle S\#S \]"\#F[: \#K!S" \end{array}$

 $\begin{array}{c} \\ HB+(,+N,."*\%" \ I \ .. Y7+2\&" \ 7)<(\%@"<.@),+<"*99(6."?*)<\&"'*"<.6.(B." \ 6*15,+(\%'\&"<.,+'.7"'*" \ .15,*2..\&"*9"'?."0*,,.@./"(\%6,)7(\%@"9+6),'2a"O) \ 1+\%"C.\&*)<6.\&" \ I \ (,,"9*<I+<7"+\%2"<.5*<'\&"(\%B*,B(\%@"5*'.\%'(+,"G<*?(N('.7"0*\%7)6'"'*"'?."0(B(,"C(@?'\&"+\%7">(',."$E"U99(6.a" \ H^0"L(<\&''L.**<"$

<u>\S#S</u>]"#F[:#F[["\9<*%'"7.&Y]" \\$#S]"#F[:#F[:#F!!"\. 1.<@.%62",(%.]"*<"7(+,"F"9<* 1"+%2"6+15)&"5?*%."

" I I $Ia^{4}2a, 7)g^{*}99(6, \&:\&, <B(6, \&g6+15)\&:\&+9, '2")$

L+6(,('(.&"Q+%+@. 1 .%'"Z)(,7(%@"

H^0"C**1"!!!" <u>I I I a*42a.7)g6(B(,:<(@?'&:'(',.:(4</u>" \\$#\$]"#F[:!\$\$\$P" >?."0(B(,"C(@?'&"D)>(',."&E"0**<7(%+'*<"I(,,"<.6.(B."'?."+%*21*)&'<.5*<'"+%7"I(,,"7.'.<1(%."+%2"+55<*5<(+'.'#%7"I(,,"7.'.<1(%."+%2"+55<*5<(+'.'#%7"I(,,"7.'.<1(%."+%2"+55<*5<(+'.'#%7"I(,"7"+%7"(%7"K)), '2"<.1.7(.&"+&"+55<*5<(+'.'#%7"K), '4"K) '1('?"', '0,.<2"+1/"6*15,(+%6."I('?"+,,"0,.<2"H6'"*N,(@+'(*&a"H"<u>9*<1+,"6*15,+(%1"6*%4"K),"+'(*%1"K),"9(,.7"I?.%1"5,+(%1"6*%4"K),"+'(*%1"K),"9(,.7"I?.%1"5,+(%1"5,+(%1"6*%1"K),"), '2"K) '1('%1"K), '</u>

; %<3.#"1F&H*#%.1,\$& IF%16"%/&

\$\%"+77('(*\%"'*"<.5*<'(\@"'*",+I".\99*<6.1.\""*<"'?."0*,..@./"&')7.\'&/"9+6),'2/"+\7"&'+99"&?*),7"N." +I+<."*9"'?."9*,,*I(\@".4'.<\+,"@*B.<\1.\'+,"+@.\6(.&"'?+'"(\B.&'(@+'."+\7"5<*&.6)'."6*15,+(\'&" *9"5<*?(N('.7"7(&6<(1(\+'(*\"+\7"?+<+&&1.\")")

\$%X)(<(.&"*<"6*15,+(%'&"6*%6.<%(%@"'?."0*,,.@.A&"6*15,(+%6."I('?">(',."\$E"1+2"N."<.9.<<.7" '*"'?."WaJa"; .5+<'1.%'"*9"37)6+'(*%A&"U99(6."9*<"0(B(,"C(@?'&a"

WaJa"; .5+<'1.%'"*9"37)6+'(*%"U99(6."9*<"0(B(,"C(@?'&/"J+%"L<+%6(&6*"" W%('.7"8+'(*%&"G,+d+/"J)('."FR" J+%"L<+%6(&6*/"0+,(9*<%(+"[=!R#"" \=!F]"=PK:FFFF"" I I I #a.7a@*Bg+N*)'g*99(6.&g,(&'g*6<g(%7.4a?'1,"

 $\begin{array}{l} H \& 2".\,1\,5,*2.\,."\,1\,+2"5) < \&) \,."+\& 2"6? + < \& \,."*9"7(\& 6 < (1(\%+'(*\%"*<"?+<+\&\&1\,.\%"'\,I('?"'?\,."0+,(9*<\%(+"), 5+<'1\,.\%"'')))) \\ (\% @"_;\,L3O`]"*<"?\,."9,7.<+,"3X) +,"U55*<') \\ ('2" 3\,1\,5,*2\,1\,.\%"''\,0*\,1\,1(\& (*\%"_3\,3\,UO`]a""(\&"))) + I\,9),"'*"<.'+,(+'\,."+@+(\%\&''+\%2"\,.\,1\,5,*2\,.."9*<"*55*\& (\% @"'?\,."5<+6'(6\,.\&"5<*?(N('\,.7"N2"'?\,."0+,(9*<\%(+"L+(<"3\,1\,5,*2\,1\,.\%"'')))))) \\ (\% @"H6'''*<=6*\,1\,5+<+N,."9,7.<+,",+I"*<"9*<"9(,(\% @"+6*\,1\,5,+(\%''\,I('?''*<"9*<"*'?\,.<I(\&."5+<'(6(5+'(\% @"(\%''+\%'''))))))) \\ (\% B\,.\&'(@+'(*\%'')^{5}<*6\,..\,7(\% @'''*<"?\,.+<(\% @"6*\%7)6'\,.7"N2"'?\,.";\,L3O"*<"3\,3U0a") \\ \end{array}$

 $\begin{array}{l} H\%2".\ 1\ 5,*2.."\ 1\ +2"5)<\&)\ ."+\%2"6?+<@\ ."*9"7(\&6<(\ 1\ (\%+'(*\%"*<"?+<+\&\&\ 1\ .\%'"\ I\ ('?"'?\ ."0+,(9*<\%(+"),5+<'1\ .\%'"*9"L+(<"3\ 1\ 5,*2\ 1\ .\%'"+\%7"O*)\&(\%@"_;\ L3O`]a")\end{array}$

>?."Z)<.+)"9*<"G<(B+'."G*&'&.6*%7+<2"37)6+'(*%"+66.5'&"+,,"'25.&"*9"6*15,+(%'&"<.,+'.7"'*" '?."0*,,.@."+%7"1+2"<.9.<"+%2"6*15,+(%'"('"<.6.(B.&"(%6,)7(%@"6*15,+(%'&"<.,+'.7"'*" (%&'(')'(*%+,"5*,(6(.&"*<"5<*6.7)<.&/"*<"N*'?/"'*"'?."0*,,.@./"+%"+66<.7('(%@"+@.%62/"*<" +%*'?.<"+55<*5<(+'.".%'('2"9*<"<.&*,)'(*%a"'

Z)<.+)"9*<"G<(B+'."G*&'&.6*%7+<2"37)6+'(*%"" #FSF"0+5('*,"U+Y&"; <(B./"J)('."=RR"" J+6<+1.%'*/"0H"[FPSS" \[!K]"=S!:K[#="" I I I aN55.a6+a@*B"

<u>A#9%.&;%<3.#"1F&B31/"7%.,#"31/&</u>

 $\begin{array}{l} 0*15, +(\%+\%'\&"+\%7"'?(<7:5+<'2" I ('\%.\&\&.\&"+<.".\%6*)<+@.7"'*"<.5*<'"G<*?(N('.7"0*\%7)6'"+\&"&**\%"+\&")<5*\&\&(N,."(\%"*<7.<"'*" 1+4(1(d."'?."0*,,.@.A&"+N(,('2"'*"<.&5*\%7"5<*15',2"+\%7".99.6'(B.,2a">?."0*,,.@.7*.&'\%'''?* I .B.</",(1('''?."'(1."9<+1."9*<"<.5*<'(\%@a"$9"'?."<.&5*\%7.%'"(&'\%"'+"1.1N.<"*9"'?."U66(7.\%'+,"6*11)%('2/"'?."0*,,.@."I(,,"&..Y"'*"+Y."&'.5&"'*".\%7"'?."?+<+&&1.%'/'5<.B.%'" ('&"<6)<...%6./"+%7"+77<.&&"('&".99.6'&/"N)'" ('&"+N(,('2"'*"'+Y."'*66)<'"*\"6+15)&"'*"N."<.5*<'.7"''?."O*,..@.a"'''?."O*,..@.a"''''?*'''?"$

>?."0*,..@."&'<*%@,2".%6*)<+@.&"'?."<.5*<'(%@"*9"G<*?(N('.7"0*%7)6'")%7.<"'?(&"G*,(62a"\$''(&"("")?."N.&'''(%''))%7.<"'?(&"G*,(62a"))%7.<"'?(&"G*,(62a")%1"(&"(%'')?."N.&''')%7.<&"'''(&"G*,(62a")%1"(&"G*,(6a'))%1"(&"G*,(6a'))%1"(&"G*,(6a'))%1"(&"G*,(6a'))%1"(&"G*,(6a'))%1"(&"G*,(6a'))%1"(&"

- $f \quad 0?+\%@."(\%"*\%:6+15)\&"?*)\&(\%@'"I?.\%"9.+\&(N,./"*<"+<<+\%@(\%@"'*"7(\&\&*,B."+"?*)\&(\%@"6*\%'<+6'"+\%7"5<*:<+'(\%@"+"<.9)\%7"(\%"+66*<7+\%6."I('?"6+15)\&"?*)\&(\%@"5*,(6(.\&i"))) \\ (\%)$
- f = -*,)%' + <2", .+B."*9" + N&.%6.i"
- f = G < *B(7(%@"+%".&6*<'"'*".%&) < ."&+9."1*B.1.%'"N.'I...%"6, +&&.&"+%7"+6'(B('(.&i"+%7"+6'))) < ...%"6, +&&.&"+%7"+6'(B('(.&i''+1))) < ...%"6, +&&.&"+%7"+6'(B('(B('(.&i''+1)))) < ...%"6, +&&.&"+%7"+6'(B('(B('(A(''+1))))) < ...%"6, +&&.&"+%7"+6'(B('(A(''+1)))) < ...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&&:...%"6, +&:....%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%"6, +&:...%%"6, +&:...%%"6, +&:...%%
- f G < B(7(%@"+6+7.1(6"&)55*<''&.<B(6.&/"&)6?"+&"')'*<(%@i")
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'1#%."0&)+/<%1/"31&3.&)%<,..,#"31&

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H"6*%9(7.%'(+,/"+%*%21*)&"%+'(*%+,"&.4)+,"+&&+),'"?*',(%.a" <u>I I I a<+(%%a*<@</u>" \PRR]"KFK:=KMS"

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 $\begin{array}{l} \mathbf{'1\&B}, \mathbf{''>3.1", P\&0\%7"6}, \mathbf{\&<.3C"7\%./\&J93\&\#.\%, \#\&\&<9@/"6}, \mathbf{\&'1Q+.@\&/+/\#}, \mathbf{''1\%7\&>.30\&, 1\&, //, +\#P\&<\\ \mathbf{<9@/"6}, \mathbf{\&3.\&/\%*+, P\&, .\%\&.\%G+".\%7\&:@\&/\#, \#\%\&\$, J\&\#3\&.\%<3. \#\&\#9\%\&, //, +\#\#\&\#3\&\$, J\&\%1>3.6\%0\%1\#A\&\\ O*I.B.</"'?."5+'(.\%'''?+&''?."<(@?'''*"<.X).\&''''?+'''+#\&)<B(B*<"+7B*6+'."N."5<.\&.\%'''I?."5+'(.\%'''?+&''?."5+'(.\%''')?+'''<.X).\&''''?+'''+#\&)<B(B*<"+7B*6+'."N."5<.&.\%'''I?..\%''?."5+'(.\%''')?+&''?."5+'(.\%''')?+&'''?.X).&''''?+'''+B(A)<B(B*<"+7B*6+'."N."5<.&.\%'''I?...\%'''?...*5+'(.\%'''')?+&'''?...*5+'(.\%'''')?+&'''.X).&''''?+'''+B(A)
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+ "B(*,+'(*%"*9"+"&.5+<+'."5*,(62/"I?.'?.<"J')7.%'"0*7."*9"0*%7)6'/"L+6),'2"O+%7N**Y/"*<"J'+99"O+%7N**Y/"'?."0*,..@."I(,,"?+B."'?."<(@?'/"I('?(%"('&"&*,."7(&6<.'(*%/"'*"6*%&*,(7+'."'?*&."*'?.<"+,,.@+'(*%&"I('?(%"*%."(%B.&'(@+'(*%"+%7g*<"?.+<(%@a""

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>?."&'+%7+<7"9*<"7.'.<1 (%(%@" I ?.'?.<"'?."<.&5*%7.%'"(&"<.&5*%&(N,."9*<"+"5*,(62"B(*,+'(*%"(&"'?." 5<.5*%7.<+%6."*9"'?.".B(7.%6."&'+%7+<7/"(a.a/" I ?.'?.<"('"(&" 1 *<.",(Y.,2"'?+%"%*'"'?+'"+"B(*,+'(*%"*9" 0*,,.@."5*,(62"*66)<<.7a"

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- $\begin{array}{l} f & ?*I"'*"6*\%7)6'"(\%B.\&'(@+'(*\%\&'\\%*'"<.X)(<.7"9*<"?.+<(\%@\&'"*<"+55.+,\&"*99(6.<\&]/"?.+<(\%@\&/"+55.+,\&/"+\%7"(\%9*<1+,"<.\&*,)'(*\%"5<*6.\&\&.\&i") \end{array}$
- f ?* I "'*"&.<B."(15+<'(+,,2/"(%6,)7(%@"N2"+B*(7(%@"5<.b)7@1.%'"*9"'?."9+6'&"+'"(&&)./"6*%9,(6'&" *9"(%'.<.&'/"+%7"N(+&i"+%7"
- $\begin{array}{l} f & (\&\&) . \&"*9" < . \, , B+\%6."*9" X) . \&'(*\%\&"+\%7" . B(7.\%6./"(\%6,)7(\%@" I ?.\%"X) . \&'(*\%\&"+\%7" . B(7.\%6."+N*)'''? . "6* 1 5, +(\%+\%'A\&"\&.4)+, "5<.7(\&5*\&('(*\%"*<"5<(*<"\&.4)+, "N. ?+B(*<"+<."\%*''<. \, , B+\%'a")) \\ \end{array}$

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- f '?."&6*5."*9"'?."0*,..@.A&"_.7)6+'(*%"5<*@<+1"*<"+6'(B('2`"+&"7.9(%.7"N2"'?."<.@),+'(*%&i"
- f = ?*I''*'6*%7)6'''(%B.&'(@+'(*%&/''?.+<(%@&/''+55.+,&/''+%7''(%9*<1+,"<.&*,)'(*%''5<*6.&&.&i''))
- f ?* I "'*"&.<B."(15+<'(+,,2/"(%6,)7(%@"N2"+B*(7(%@"5<.b)7@1.%'"*9"'?."9+6'&"+'"(&&)./"6*%9,(6'&" *9"(%'.<.&'/"+%7"N(+&i"
- f (&&).&"*9"<..,B+%6.i"+%7"

...

f = ?*I"'*"6<.+'."+%"(%B.&'(@+'(B."<.5*<'"'?+'"9+(<,2"&) 1 1+<(d.&"<.,.B+%'".B(7.%6.a")))

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'*"<.,.B+%'"(%9*<1+'(*%/"'?."\$%B.&'(@+'*<" I (,,".45,+(%"'*"'?."5+<'2" I ?*"5<*5*&.7"'?."X).&'(*%&"+%2" 7.6(&(*%"'*".46,)7."+"X).&'(*%"+&"%*'"<.,.B+%'a"

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0*%6) <<.%', 2/"'?." 0(B(, "C(@?'&"D">(',."\$E"0*<7(%+'*<"I(,,"&.,.6'"+"'<+(%,7"(%'.<%+,"*<".4'.<%+,"*,"%B.&'(@+'*<']"'*"6*%7)6'"+"<.+&*%+N, ./"(15+<'(+,/"+%7"5<*15'"(%B.&'(@+'(*%"*9"'?."6*15,+(%')")?."6*15,+(%')")?."6*15,+(%')"."5<*15''(%B.&'(@+'*<"N+&.7"*%B.&'(@+'(*%)]a">?."0(B(, "C(@?'&"D">(',."\$E"0*<7(%+'*<"I(,,"&.,.6'"+%"%B.&'(@+'*<"N+&.7"*%B.&'(@+'*<"S')...7"')?."6*15,.4('2"*9"'?."6*15,+(%')"?."%..7"')?."6*15,.4('2"*9"'?."6*15,+(%')"?."%..7"')?."6*15,+(%')"?."%..7"')?."6*15,.4('2"*9"'?."6*15,+(%')"?."%..7"')?."*B*(7"+%2"5*'.%'(+,"6*%9,(6'"*9"(%'.<.&'/"+%7"I?."6*15,.4('2"*9"'?."6*15,+(%')"?."%..7"')?."*B*(7"+%2"5*'.%'(+,"6*%9,(6'"*9"(%'.<.&'/"+%7"I?."G*15,.4('2"*9"'?."6*15,+(%')"?."%..7"')?."*B*(7"+%2"5*'.%'(+,"6*%9,(6'"*9"(%'.<.&'/"+%7"I?."G*15,.4('2"*9"'?."6*15,+(%')"?."%..7"')?."*B*(7"+%2"5*'.%'(+,"5+<'(.&"(%B*,B.7)"?."6*15,.4('2"*9"'?."6*15,+(%')"?."%..7"')?."*B*(7"+%2"5*'.%'(+,"6*%9,(6'"*9"(%'.<.&'/","1+%2"5*'.%'(+,"6*%9,(6'"*9"(%'.<.&'/","1+%2"5*'.%')?.")?."*B*(7"+%7"I?."G*15,.4('2"*9"'?."6*15,+(%')"?.")?.","SE"0*<7(%+'*<"I(.,"%1',"1+%2"5*'.%')?.")?."*B*(7","2.","1+2"N.&''')?."(1."'?."0(B(,"C(@?'&"D">(',...%5"C(@?'&"D"))?(',...%5"C(@?'&"D"))?.")?.","SE"0*<7(%+'*<"I(.,","1+1,...,")?.","SE"0*<7(%+'*<"I(.,",?.",S]"N)&(%.&&*7+2&"'*"')?.","SE"0*<7(%+'*<"I(.,",?.",S]"N)&(%.&&*7+2&"'*"')?.","SE"0*<7(%+'*<"I(.,",B+,)+'."I?..',...,S]"N)&(',...&*1'?..",S="0*<7(%+'*<"I(.,",B+,)+'."I?..',...,S]"N)&(',...&*1'?..",S="0*<7(%+'*<"I(.,",B+,)+'."I?..',...,S)=N).&(',@*","?.",S+<(...,*1'?...,*N).6'(*","")?...,S)="0(B(,"C(@?'&"D")>(',...,*E"0*<7(%+'*<"I(.,",B+,)+'."I?..',...,S)=N).&(',@*",*'')?.",S+<(...,*'')?...,S)=N).&(',@*",*''')?...,S)=0*<7(%+'*<"I(.,",-1*B.",%7"<...,S)=.6'(*","%)?...,S)=N).&(',@*",*''')?...,S)=N).&(',@*",*''')?...,S)=N).&(',@*",*''')?...,S)=N).&(',@*",*'''')?...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...,S)=N).&(',`...

- f >?."0*,.@.A&"5*,(62"5<*?(N('(%@"<.'+,(+'(*%a"))))))
- f >?."0*, ..@.A&" +, 6*?*, "+%7"7<)@"+1%.&'2"5*, (62a"
- $\begin{array}{rl} f & 345, +(\%''\,?\,+\,'''\,?\,.\,\%''\,)\,7\,.\,\%'''\,?\,+\,\&''\,+\,\%''\,+\,\%''\,+\,7B(\&^{*}<^{*}\,9''\,?\,.\,(<^{*}6\,?\,*(6\,.\,^{*}7\,)\,<(\%@''\,?\,.\,^{*}5<^{*}6\,.\,\&\&''\,+\%7''\,.\,(\&''\,*\,9''\,0\,\cdot\,,\,.\,@\,.\,.\,1\,5\,,\,\ast\,2\,.\,.\,\&''\,<\,(\&^{*}\,\cdot\,\otimes\,1\,.\,\&^{*}\,\circ\,(\&^{*}\,\circ\,(\&^{*}\,\cdot\,\otimes\,1\,.\,\&^{*}\,\circ\,(\&^{*}\,\circ\,\otimes\,1\,.\,\&^{*}\,\circ\,(\otimes^{*}\,\circ\,\otimes\,1\,.\,\&^{*}\,\circ\,(\otimes^{*}\,\circ\,\otimes\,1\,.\,\&^{$

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K??\$,@'>!9)!C':%'?7',+./!G\$:87-&'8,!8#!+!Q.'\$(+,%\$!8#!A8,B5'&7\$!;I! P':%8,@-%&!KE+',:&!K@=',':&

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$$\begin{split} H7+5'+N, &: <.\&^*, \\)'(*\%''(\&''+B*,)\%'+<2/''<.1.7(.\&:N+\&.7/''\&'<)6')<.7''(\%''.<+6'(*\%''N.'I..\%''*<+1*\%@''+99.6'.7''5+<'(.\&'''?+''N+,+\%6.\&''&)55*<'''+\%7''+66*)\%'+N(,('2"I('?*)'''+Y(\%@''9*<1+,"7(\&6(5,(\%+<2"+6'(*\%''+9)*(*5)*'))))))\\ &: +99.6'.7''5+<'(.\&'''?+''N+,+\%6.\&''&)55*<'''+\%7''+66*)\%'+N(,('2"I('?*)'''+Y'')))\\ &: +99.6'.7''5+<'(.\&'''?+'''N+,+\%6.\&'')55*<'''+\%7''+66*)\%'+N(,('2"I('?*)'''+Y'')))\\ &: +99.6'.7''5+<'(.\&''')+1, +%6.\&'')55*<'''+\%7''+66*)\%'+N(,('2"I('?*)'''+Y'')))\\ &: +99.6'.7''5+<'(.\&''')+1, +%7(\&)+1, +%7($$

>?."0(B(,"C(@?'&"D">(',."\$E"0**<7(%+'*<"<.B(.I&"?."1+''.<"'*"?.".4'.%'"%.6.&&+<2"'*"6*%9(<1"'?+'" ('"(&"*9"'?."'25."'?+'"I*),7"N."+55<*5<(+'."9*<"+%"+7+5'+N,."<.&*,)'(*%"5<*6.&&"+%7"'?+'")&."*9"+%" +7+5'+N,."<.&*,)'(*%"5<*6.&&"I+&"I('?*)'"5<.&&)<."*<"6*15),&(*%"9<*1"*'?.<&a">?."+7+5'+N,." <.&*,)'(*%"*5'(*%&"+B+(,+N,.")%7.<"'?(&"G*,(62"<.6*@%(d.V")))

- $\begin{array}{ll} f &>?. "@*+, "*9"+7+5'+N, .."<.\&*,)'(*\%"(\&"'*"+77<.\&\&"'?."G<*?(N('.7"0*\%7)6'/"(7.\%'(92"I+2\&"'?+''')))) \\ &(\%7(B(7)+,\&"+\%7g*<"'?."6*11)\%('2"?+B."N..\%"?+<1.7/"+\%7"7.B.,*5"+"<.\&*,)'(*\%"+@<..1.\%''')) \\ &(\%''+77<.\&\&"'?."?+<1"+\%7"5<.B.\%''9)')<."G<*?(N('.7"0*\%7)6'i'')) \\ \end{array}$
- $\begin{array}{ll} f & G+<'(6(5+'(*\%''(\&"B*,)\%'+<2"+\%7"N*'?"+"6*15,+(\%+\%'"+\%7"+"<.&5*\%7.\%'/"+\&"I.,,"+\&"+\%2"*'?.<"\\ & 5+<'(6(5+'(\%@''(\%7(B(7)+,\&/"1)\&"6*\%\&.\%'''(\%"I<('(\%@''*"5+<'(6(5+'(*\%''(\%"+7+5'+N,."<.\&*,)'(*\%i"))))))))))))))) \end{array}$

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\$9"+"5+<'2"<.X).&'&"?."(%('(+'(*%"*9"+%"+7+5'+N,."<.&*,)'(*%"5<*6.&&"+%7"'?."O(B(,"C(@?'&"D">(',."\$E" O**<7(%+'*<"+@<..&"?+'"'?."1+''.<"(&"+55<*5<(+'."9*<"+7+5'+N,."<.&*,)'(*%/".+6?"5+<'2"I(,,"<.6.(B." +"I<(''.%"%*'(6."'?+'"7(&6,*&.&V"

- f >?."+,.@+'(*%&i")
- $\begin{array}{ll} f &>?.\, "<.X)(<.1.\, \%'\&"\, "9"\, '?.\, "+7+5\, '+N, ."<.\&^*,)\, '(*\%"\, 5<*6.\&\&'"(\%6,)\, 7(\%@"\, '?.\, "6(<6)\, 1\,\&'+\%6.\&"\,)\,\%7.<"\\ &I\, ?(6?"\, ('"\, 5<.6,)\, 7.\,\&"\, '?.\, "5+<'(.\&"\, 9<*1\, "<.\&)\, 1\, (\%@"\, +"\, 9*<1\, +, "6*1\, 5, +(\%\, '"\, +<(\&(\%@"\, 9<*1\, "\, '?.\, "\&+1\, ."\, +,, .\, @+'(*\%\& 7.\& 6@\, 0.\, 2(+)\, 0\, .(')\, 0.\, 49\, 1\, .626\, -\, 44\, 1\, Tm/BT50\, 00\, 0.\, 2(\&)\, 0\, .2(?\, .)\, 0\, .2("\,)\,]T\, J\, E\, T\, Q\, q\, 0\, .240\, 02("\,)\,]/ \end{array}$

Q.+&)<.&"'?+'"1+2"N."+@<...7"'*"+&"+"<.&),'"*9"'?."+7+5'+N,."<.&*,)'(*%"5<*6.&&"1+2"(%6,)7.V"

- f H,6*?*,".7)6+'(*%"6,+&&.&"9*<"'?."<.&5*%7.%'i"
- f C.@),+<"1...'(%@&"I('?"+%"+55<*5<(+'."0*,,.@."(%7(B(7)+,/")%('/"*<"<.&*)<6.i"
- $f \qquad G.{<}1 + \%.\%'''.4'.\%\&(*\%''*9"+"\%*:6*\%'+6'''7({<}.6'(B.i'')))$
- f C.&'<(6'(*%"9<*1"5+<'(6(5+'(*%"(%"&5.6(9(6"6,)N&"+%7g*<"*<@+%(d+'(*%&i"
- f <.&5*%7.%''<.&'<(6'(*%"9<*1"5+<'(6(5+'(*%"(%"5+<'(6),+<".B.%'&i"
- f <.&5*%7.%'"6*15,.'(*%"*9"+%".7)6+'(*%+,"5,+%" I('?"<.@),+<"1..'(%@&" I('?"'?."+7+5'+N,.i" <.&*,)'(*%"6**<7(%+'*<"*'?.<"+55<*5<(+'."0*,,.@."&'+99"*<"9+6),'2"1.1N.<i"+%7g*<"
- f 0^*)%&.,(%@"&.&&(*%&"9*<"'?."<.&5*%7.%'a"

\$ %7(B(7) + &" I ?*" I (&?" '*" 5 + <'(6(5+'."(%" +%" +7 +5' +N, ."<.&*,)'(*%" 5 <*6.&&" 1) &'" ?+B."&) 66.&&9), 2" 6*15, .'.7" 5 <.5 + <+'* < 2" 1 ...'(%@&" I ('?" '?." +7 +5' +N, ."<.&*,)'(*%" 6** <7(% +'* <a" \$%7(B(7) +, &" 1 +2" N." +66* 15 + % (.7" N2" +% +7B(&.<" +'' +% 2" 1 ...'(%@&" <.,+'.7"'*''?." +7 +5' +N, ."<.&*,)'(*%" 5 <*6.&&a"")

<u>I7,<#,:\$%&;%/3</u>\$+#"31&IF.%%0%1#/&

$$\begin{split} H\%2" + @<\dots 1 . \%'\&" < .+6? .7" (\%" + \%" +7 +5' + N, ." < .\&*,)'(*\%" 1)\&" N." 7*6) 1 . \%'.7" N2" '?." +7 +5' + N, ." < .\&*,)'(*\%" 6**<7(\%+'*<" +\%7" +55<*B.7" N2" '?." 0(B(," C(@?'\&" D" >(',." $E" 0**<7(\%+'*<" *" .%&)<." 6*%&(\&'. %62" I ('?"'?." 0*,,.@. A&">(',."$E"*N, (@+'(*%&a"H\%"+@<\dots 1 .\%" I (,,,%*'"N."6*%&(7.<.7"B+,(7"(9"'?." 0(B(," C(@?'\&" D" >(',." $E" 0**<7(\%+'*<" 7* .&" \%*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" 7* .&" \%*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" 7* .&" \%*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" 7* .&" \%*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" 7* .&" \%*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" 7* .&" \%*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" 7* .&" %*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" 7* .&" %*'" +55<*B." ('a" $9"'?." 0(B(," C(@?'&" D" >(',.." $E" 0*<7(\%+'*<" *10,....) *(',..." *1,...) *(',..., *1,...) *(',..., *1,...) *(',..., *1,...) *(',..., *1,...) *(',..., *1,..., *1,..., *1,...) *(',..., *1,.$$

>*"9+(<,2"+&&&"5+".<%"*<"&2&'. 1 (6"N.?+B(*<'"?."O(B(,"C(@?'&"D">(',."\$E"O**<7(%+'*<"I(,,"1+(%'+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%)<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%)<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%)<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%)<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'))<...,"SE"O**<7(%+'*<"I(,,"1+(%'))<...,"SE"O**<7(%+'))<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O**<7(%+')<...,"SE"O

## **17**, <#, :\$%&; % 0 %7"%/&3.&'1#%.C%1#"31/&>3.	%&B3\$\$%F%&B300+1"#@&

K??\$,@'>!'')!M&-@\$,&!M+,%&'8,',E!J.8%\$@-.\$:!

 $\$9" + "<.5 * <"5 < *6..7 \&"?<*) @?"; (\&6(5,(\%+2"C.\&^*,)'(*\%"+\%7"?."<.\&5 *\%7.\%'"(\&"9*)\%7"<.\&5 *\%\&(N,."9*<"*\%."*<"1*<."B(*,+'(*%&"*9"?."O*,,.@.A&"+%'(7(\&6<(1(\%+'(*\%"5*,(6(.\&/"?."O*,,.@."I(,,"(\&b)."\&+\%6'(*%&"6*11.%))</p>$

+55<*5<(+'."<.&*,)'(*%"(%".+6?"6+&.a"

 $\frac{\|J'| 7.\%'\&\| 1+2"N."<.1*B.7"9<*1"0*,.@."?*)\&(\%@"+\%7g*<"N+<<.7"9<*1"+55,2(\%@"9*<"6+15)\&"?*)\&(\%@"7)."'*"7(\&6(5,(\%+<2"B(*,+'(*\%\&"*9"'?(\&"0*7.a"))))))$

 $\frac{["G.<1+\%.\%'"'.<1(\%+'(*\%"*9"\&')7.\%'"\&'+')\&"+\%7".46,)\&(*\%"9<*1"0*,,.@."5<.1(\&.\&/"), 5<(B(,.@.\&/"+\%7"+6'(B('(.\&a"))?(\&"+6'(*\%")I(,,"N."5.<1+\%.\%',2"<.6*<7.7"*\%"'?."\&')7.\%'A\&"), 6<(5'a")}{+6+7.1(6"'<+\%6<(5'a")}$

 $\underbrace{">?."0*,..@."1+2"I('??*,7"+I+<7(\%@"+"7.@<..."*'?.<I(\&.".+<\%.7")\%'(,")}_{?."6*15,..'(*\%"*9"'?.."5<*6.\&\&"\&.'"9*<'?"(\%"-+<\%.7"(,402(7")0.2(()2(")-120.9(-165.(-')(7")0.2(()2(-165.(-)(165.(-')(7")0.2(()2(-165.(-)(165.(-$

K="

>?."O. +<(%@"O*11(''..A&"<.B(.I"(&"7*6)1.%'+<2"*%,2"+%7"%*"?.+<(%@"(&"?..7a"L*,,*I(%@"&'+%7+<7"5<+6'(6./"'?."0(B(,"C(@?'&"D">(',."\$E"O**<7(%+'*<"I(,,"N."+B+(,+N,."'?<*)@?*)'"7.,(N.<+'(*%&"'*"+77<.&&"X).&'(*%&"+N*)'"'?."J.4)+,"+%7"\$%'.<5.<&*%+,"Q(&6*%7)6'"G*,(62"+%7"<..,+'.7"5<*6.7)<.&*"H%2"7.6(&(*%"'*"I+<%/"<.5<(1+%7/"*<"7(&1(&&"+"9+6),'2"1.1N.<"<.X)(<.&"+"'I*:'?(<7&"1+b*<('2"*9"'?."1.1N.<&"6*%7)6'(%@"'?."?.+<(%@/"'?."B*'."(%".+6?"'))))

K??\$,@'>!Q)!K??\$+7!J.8%\$@-.\$:!

 $\begin{array}{l} H55.+,\&"*9"?.+<(\&@"*<"(\&B.\&'(@+'(B."*)'6*1.\&"1+2"N."9(,.7"N2".('?.<"5+<'2a"H55.+,\&"1)\&'"N."\&.\%'" \\ '*"'?."O(B(,"C(@?'\&"D">(',."&E"O**<7(\%+'*<"I('?(\%"9(B."\setminusF]"N)\&(\%.\&\&"7+2\&"*9"<.6.(5'"*9"'?."L(\%+,"C.5*<'a"c?.%"+\%"+55.+,"(\&"9(,.7/"'?."*'?.<"5+<'2"I(,,"N."%*'(9(.7/"(\%"I<('(\%@/"+\%7"'?.\"+8."9(B."\setminusF]"N)\&(\%.\&\&"7+2\&"**<.&5*\%7"'*"'?."+55.+,a"H\%2"5+<'2&A&"7.6(&(*\%"\%*"'**\&)N1('"+<.5,2"'*"+\%"+55.+,"(\&"\%*'":B(7.\%6."'?+'"'?."\%*:+55.+,(\&"5+<'2"+@<..7"I('?"'?."+55.+,a")) \\ \end{array}$

>?."+55.+,&"5<*6.&&"(&"7*6) 1.%'+<2"*%,2/"+%7"%*"?.+<(%@"(&"?.,7a"3('?.<"5+<'2"1+2"9(,."+%"+55.+,"*9)"!]"+"7.'.<1(%+'(*%"<.@+<7(%@"<.&5*%&(N(,('2i"+%7g*<"#]"'?."O(B(,"C(@?'&"D">(',."\$E"0**<7(%+'*<A&"7(& 1 (&&+,"*9"+9*<1+,"6*15,+(%'"*<"+%2"+,,.@+'(*%&"'?.<.(%"9<*1"'?.">(',."\$E"J.4)+,"O+<+&&1.%'" 5<*6.&&"+&"*)',(%.7"(%"L*<1+,"0*15,+(%'&''; (& 1 (&&+,&"+%7"H55.+,&"*9"; (& 1 (&&+,&""*")'?."9*,,*I (%@"@<*)%7&V""

f G < *6.7) < +, "(<<.@), +<('2"'?+'"+99.6'.7"'?."*)'6*1."*9"'?."1+''.<i"

f 8. I".B(7.%6."'?+'"I+&"%*'"<.+&*%+N,2"+B+(,+N,."+'"'?."'(1."'?."7.'.<1(%+'(*%"<.@+<7(%@"