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•\\ #5++\\J5-,"7"=5,"?.\>?.#".*\P?-3 \$+\5.40?-\+1.7A-?.?3+\?.#".*B\c:6 e d\ !\D"+73++"?.\C*54".8\>f3*+,"?.+\5.4\\#"=\I.5#1+"+B\c:6 e d\ •\E5W*<Q?\$*\] "4,*-\$\LV5\$\>O7,?S*-\:'B\c:'e d\ •\!"#\$\I.5#1+"+\L++51\>:'66\\M?-4+B\c:'e d\ •\!".5#\^*+*5-7A\J5=*-\>&666\\M?-4+B\c&6 e d\ •\E5W*<Q?\$*\!".5#\LV5\$\c:6 e d\

%

9%) ?-W". 8%M",A%(<'%?P%1?3-%P*#?M%7#5++\$5,*+T%1?3%M"##%*54% 4"+73++"?.%5,%#*5+,%?.7*%43-".8%,A*%,*-\$%?.%,A*%M**W#1%+7-**.".8+%5.4%-*54".8+%72%M"##% =-?0"4*%5%#"+,%?P%83"4*#".*+%5.4%,"=+T%S3,%*57A%4"+73++"?.%#*54*-%M"##%S*%-*+=?.+"S#*%P?-% =-*+*.,".8%5%+=*7"P"7%_3*+,"?.%5S?3,%,A*%P"#\$%5.40?-%,A*%7?3-+*%-*54".8+%5+%M*##%5+% *.858".8%1?3-%P*##?M%+,34*.,+%".%5%4"+73++"?.%5S?3,%,A5,%*#*\$*.,6%b?3%M"##%.**4%,?% 7??-4".5,*%M",A%1?3-%8-?3=%\$*\$S*-+%".%?-4*-%,?%=-*=5-*%5.4%?-85."F*%,A*%4"+73++"?.% _3*+,"?.+0\$\$5,*-"5#T%5.4%".%\$?+,%75+*+%Z%M"##%5++*++%,A*%8-?3=%5+%5%MA?#*%S5+*4%?.%,A*% ?0*-5##%_35#",1%?P%,A*%4"+73++"?.%#*54".86%D"+73++"?.+%M"##%,5W*%=#57*%+1.7A-?.?3+#1%0"5% F??\$%5.4%,A*%7#"=+0_3*+,"?.+%M"##%5#+?%S*%=?+,*4%".%5.%?.#".*%P?-3\$6%

$$\begin{split} & 9 \\ & EA*-* \\ & M \\ & \# \\ & S \\ & S$$

9%D3-".8%,A*%,*-\$T%1?3%M"##%P?73+%1?3-%,M?%M-",".8%5++"8.\$*.,+%?.%

4-".

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		2*#*7,%L4"+?.%\?%!"#\$+
%%%%%%%%%%%%%%	*****	B:".C4-"',0".D6"&,34&%>DG)G%U-"PP",AT%:X::T%:j%\$".GB%
%	%	<i>E</i> , <i>F</i> % - ?. ,) * ''&%+ , <i>G</i> %3% <i>H</i> '' - %> I #"7*%U31<1 #57AoT% : X : &T% : &% \$ " . GB%
%	%	k ¼ \ #"=+%P-?\$% <i>B:".1%&3:.4J</i> .,. <i>K,3%4</i> -%>DG) G%U-"PP",AT%:X:'T%:gj%\$".GB%
%		
		%cC*M"+d9%J8+6%;<&6R%&'<(&R%'(<'g%
%	%	k %cO) Cd9%Q5.+*.T %m I % \ ".*\$5%".%2*5-7A%?P%5%2=*7,5,?-n%

B: ".*G*: ", 3%> \ *7"#% 1 G%D*] "##*T%:X: 'T%Y6% \$ ".GB% k % *L %*3:%-.*D*\$&.*M*, 3"2%>O+75-%] "7A*53VT%:X&6T%jX% \$ ".GB%

k %cO) Cd9%2,*M5-,T%m) *%) *-*% a *O*-%Z\$ \$ "8-5.,+n%

%

C*M''+d9%J8+0%&6<&'R%('<';R%'g<j(%)

%

%
= * % <i>3, 3%44J.C%J''.</i> >D?38#5+%2"-WT%:X'XT%:&'%\$".GB%
%
%cO)Cd%!5++S".4*-T%m2"V%!"#\$+%S1%D?38#5+%2"-Wn%>*V7*-=,B%
k %cO) Cd% ! "+7A*-T%mEA-**<) 51%] "?-9%= *%3, 3%44J.C%J"m%
^K
*

*
!!''#\$%* '()%*?,9#@*BG#) H* 01%*0#.%*''IA!!*
h
S. S
u.

$$\begin{split} & EA" + \$". +, -37, ?-\$ - * + = *7, +\$5.4 \$ 3 = A? \#4 + \$ / ."0* - +", 1 \$ = ? \#"7" * + \$5.4 \$ - *83 \#5, "?. + \$ = *-, 5".".8 \$, ? \$, A* \$? S + *-05, "?. \$? P * * \#"8" ? 3 + \$A? \#"451 + R \$ 5 + +" +, 5.7 * \$ 505" \#5S \# * \$, ? \$, A* \$ = A1 + "75 \#1 \$ 4" + 5S \# * 4 T \$ 0" + 35 \#1 \$ 5.4 \$? - * A* 5 - ".8 \$" $ = 5" - *4 \$ +, 34 * ., \end{split}$$

 $\begin{array}{l} A?3-+\$?\texttt{P}\$, A*\$*: .4\$?\texttt{P}\$, A*\$=*-"?4\$?\texttt{P}\$, A*\$+*\texttt{P}<-*=?-, *4\$5\texttt{S}+*.7*\texttt{T}\$3.\texttt{#}*++\$.?, *4\$?.\$, A*\$ +1\texttt{\#}\texttt{S}\texttt{S}+(\$2,34*..,+\$5-*\$.?,\$5\texttt{S}\texttt{\#}*\$,?\$3+*\$, A*\$+*\texttt{P}<-*=?-,".\$\$?=,"?.\$".*, A*\$\texttt{P}?\texttt{\#}?\texttt{M}".\$\%$

- P?-%*V5\$+%+7A*43#*4%S1%,A*%OPP"7*%?P%,A*%^*8"+,-5-%>*686T%D*7*\$S*-%5.4%I=-"#% *V5\$+B%
- 5S+*.7*%?P%5%43-5,"?.%8-*5,*-%,A5.%(g%A?3-+T%
- 5++*++\$*.,+%M?-,A%\$?-*%,A5.%;6e%?P%,A*%+,34*.,h+%P".5#%8-54*T%%
- "P%5%+,34*.,%A5+%5#-*541%3+*4%,A*%+*#P<-*=?-,".8%=?-,5#%,M"7*%43-".8%,A*%
 5754*\$ "7%1*5-%%

2,34*.,+%+A?3#4%5#+?%.?,*%,A5,%".4"0"435#%".+,-37,?-+%5-*%.?,%=*-\$",,*4%,?%-*7*"0*% 4?73\$*.,5,"?.%4"-*7,#1%P-?\$%5%+,34*.,T%MA*,A* $I #\# - *_3" - *4 = 5 = *_{++} $51 + 35 + 35 + 35 + 35 + 35 + 100 + 10$

2?\$*\7?\$=?.*.,+\%?P\,A"+\%7?3-+*\M"##\".0?#0*\?.#".*\".,*-57,"?.+G\\E?*.+3-*\,A*\S*+,\ *V=*-"*.7*\P?-\S?,A\1?3\5.4\1?3-\%7#5++\$5,*+T\=#*5+*\A?.?3-\,A*\P?##?M".8\-3#*+\?P\ *," 3*,,*9\

- =#*5+*%m5--"O*n%,?%7#5++%?.%,"\$*%
- =#*5+*%3+*%1?3-%7?\$=3,*-%5.4@?-%#5=,?=%"P%=?++"S#*%>5+%?==?+*4%,?%5%7*##%=A?.*%?-% ,5S#*,B%
- *.+3-*%,A5,%1?3%5-*%".%5%=-"05,*%#?75,"?.%,?%=-?,*7,%,A*%7?.P"4*.,"5#",1%?P% 4"+73++"?.+%".%,A*%*0*.,%,A5,%5%7#5++%4"+73++"?.%4*5#+%M",A%+*.+","0*%?-%=*-+?.5#% \$5,*-"5#%
- ,?\\$ "." \$ "F*\\$57W8-?3.4\\.?"+*T\\W".4#1\\\$3,*\1?3-\\\$ "7-?=A?.*\P?-\\,A**.,"-*\7#5++\ 3.,"#\1?3\\5-*\\".0",*4\\,?\+=*5\\T\\3.#*++\\4"-*7,*4\\?,A*-M"+*\\
- c+388*+,*4%P?-%7#5++*+%#5-8*-%,A5.%;6%+,34*.,+d%Z.%?-4*-%,?%8"0*%3+%?=,"\$3\$% S5.4M"4,A%5.4%M*S%_35#",1T%=#*5+*%,3-.%?PP%1?3-%0"4*?%75\$*-5%P?-%,A*%*.,"-*%7#5++% 3.#*++%1?3%5-*%".0",*4%,?%+=*5W%
- c+388*+,*4%P?-%75+*+%MA*-*%0"4*?%"+%3+*4d%=#*5+*%S*%=-*=5-*4%,?%,3-.%1?3-%0"4*?%
 75 \$*-5%?PP%5,%,A*%".+,-37,?-h+%-*_3*+,%"P%,A*%"..*-.*,%7?...*7,"?.%S*7? \$*+%3.+,5S#*%
- 3.#*++%".0",*4%S1%1?3-%".+,-37,?-T%4?% %+A5-*%1?3-%+7-**.%".%,A*%\$**,".8%

EA*%7?3-+*%".+,-37,?-%M"##%57,%5+% \$?4*-5,?-%P?-%,A*%7#5++%5.4%M"##%4*5#%M",A%5.1%_3*+,"?.+% P-?\$%=5-,"7"=5.,+6%%E?%=5-,"7"=5,*%=#*5+*%7?.+"4*-%,A*%P?##?M".89%

- "Ph1?3hM"+Ah,?h+=*5WTh3+*h,A*hm-5"+*hA5.4nhP3.7,"?.h5.4hM5",hP?-h,A*h".+,-37,?-h,?h 57W.?M#*48*h1?3hS*P?-*hS*8"..".8h1?3-h7?\$\$*.,h?-h_3*+,"?.h
- -* \$ * \$ \$*-\%, ?\%3. \$ 3, *\%1?3-\% \$ "7-?=A?.*\%5.4\%,3-.\%?.\%1?3-\%0"4*?\%75 \$ *-5\%S*P?-*\% +=*5\W".8\%
- +*#P<"4*.,"P1%MA*.%+=*5W".86%
- -* \$* \$ S*-\%, ?\% \$ 3,*\%1 ?3-\% \$ "7\%5 . 4\%,3- .\%?PP\%1 ?3-\%0"4*?\%75 \$*-5\%5P,*-\%+=*5\W" . 8\%>3 . #*++\% 4"-*7,*4\%?,A*-M"+*B\%

U*.*-5#%7?.+"4*-5,"?.+%?P%m.*,"_3*,,*n9%

- q**=\".\\$\$".4\,A*\4"PP*-*.,\73#,3-5#\5.4\#".83"+,"7\\$57\8-?3.4+\?P\,A*\+,34*.,+\".\ ,A*\7?3-+*C\
- 1*%7?3-,*?3+%,?M5-4%,A*%".+,-37,?-T%1?3-%7?##*583*+T%5.4%53,A?-+%MA?+*%M?-W%1?3% 5-*%4"+73++".80%
- 1 *%-*+=*7,P3#%?P%,A*%4"0*-+",1%?P%0"*M=?".,+%,A5,%1?3%M"##%*.7?3.,*-%".%,A*%7#5++% 5.4%".%1?3-%-*54".8+6%EA*%*V7A5.8*%?P%4"0*-+*%"4*5+%5.4%?="."?.+%"+%=5-,%?P%,A*% +7A?#5-#1%*.0"-?.\$*.,6%m!#5\$".8n%"+%.*0*-%5==-?=-"5,*6%
- 1*%=-?P*++"?.5#%5.4%+7A?#5-#1%".%5##%?.#".*%=?+,".8+0%\",*%,A*%"4*5+%?P%?,A*-+% 5==-?=-"5,*#10%

 $a ?, *\%, A5, \%4"+-3=, "O*\%S*A50"?3-\%?P\%5.1\%, 1=*\%43-".8\%?.4".*\%7\#5++*+T\".7\#34".8\%".5==-?=-"5, *\%3+*\%?P\%, A*\%7A5, \%P3.7, "?.T\"+\%3.577*=, 5S#*G\%2, 34*., +\%P?3.4\%83"#, 1\%?P\%i??$<S?$S".8\%5\%7\#5++\%?.4\%?P\%?, A*-\%+*-"?3+\%?.4".*\%?PP*.+*+\%$51\%S*\%+3S\%7, \%, ?\%4"+7"=#".5-1\%$*5+3-*+\%3.4*-\%, A*\ ?4*\%?P\%2, 34*., \\?.437, G\$

 $\label{eq:started_st$

 %J-*+*.,5,"?.%+A?M".8%#5=+*+%".%,"4".*++%5.40?-%=-??P-*54".80%

 J??-%3+*%?P%=5-58-5=A+0%

 %2*.,*.7*%+,-37,3-*%7?--*7,T%S3,%=*-A5=+%?0*-#1%+"\$=#*T%M",A%,*.4*.71%,?%

 $50?"4\% = 3.7,35,"?.\%S*+"4*+\%=*-"?4\%5.4\%7? \$ 50\%L--?+\%-*\#5,"0*\#1\%P*MT\%S3,\%?775+"?.5\#1\% +*-"?3+T\%M",A\%*0"4*.,\%\% \$"+3.4*-+,5.4".8\%?P\%+? \$*\%=?".,\%?P\%*\#* \$*.,5-1\%8-5 \$ 5-\%>7? \$ 5\% +=\#"7*+T\%P-58 \$*.,+T\%+ \$"7?#?.\%*--?+T\%+3SK*7,<0*-S\%4"+58-** \$*.,+T\%=??-\#1\%".,*8-5,*4\% _3?,5,"?.+B\%$

%-*5+?.5S#*%*PP?-,%5,%4?73\$*.,5,"?.T%S3,%-5,A*-%,A".G%

<u>9</u>%%%%%%

%%%%

%

%D"PP"73#,1%M",A%=5-58-5=A".8%?-%7?.+*73,"0*%,A?38A,6%Z4*5+%".7A?5,*%S3,%