=+"', -./"%&.\*0'()'1"\$%2&32'80&\*"#'.&'\*%>70'2'&\*2\*"D.5"'92#?>&<'&?2--.-@'+>-50

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## ()'+.@+"%"5>926(-A

=+.&'&\*2\*"D.5"'7"25"%&+.?'&\*2%\*&'D.\*+'"&\*2\$7.&+.-@'2'97"2%'9(+"&./"<2-5'.-&?.%-@'#.&&.(-'2-5'/.&.(-'()'\*%>"' "C9"71"-9"<' "&\*2\$7.&+.-@' %"7"/2-\*' ?% (%.6"&<' 27.@-.-@' 9%.6927' %"&(>%9"&<' 9%"26-@' -"D' 2-5' - (/"7' (??(%\*>-.6"&<'2-5"+"-'->%\*>%.-@'\*+'''?%(9"&&'(/"%'2-5'(/"%'2-5'(/"%'2@2.-A'X&'4%"&.5"-\*'X\$%2+2#'V.-9(7-' +2&'%"?"2\*"570'&2.5'0\*+'''(-70'D20'\*('\*%>70'&''''\*+'')>\*>%'''.&'\*('\$>.75'.\*AR'Z"'#>&\*'\*(@''\*+''%'\$>.75'\*+'')>\*>%''

## 3-(D7"5@"AR"

M)'#2-0'''C2#?7''&'()'\*+.&'\*0?'''()'9(772\$(%26(-'+2&'\$'''-'(>%'D(%3'\*('&\*%''-@\*+''-')(%D2%5'2-5'%'/''&\*'' 2%69>726(-'2@%'''#''-\*&'D.\*+'(>%'&\*2\*''D.5'''9(##>-.\*0'9(77''@''&'&\*2\*'''9(77''@''&'2-5'29%(&&'(>%'&0&\*''#A'

#2-0'(\*+"%&A'=+"&''''S(%\*&'+2/''%''&>7\*''5'.-'&>99''&&)>7')"5"%27'2-5'&\*2\*'''2>\*+(%F26(-<'2??%(?%26(-'2-5'' &\*>50')(%''/'%07''@.&126/''9097'''(/'%'\*+'''?2&\*'5''925''&A'B'+2/'''27D20&'D(%3''5'+2%5'\*('&+2%''\*+'''(??(%\*>-.\*0'' \*('&\*>50')'%'')\*('&\*>50')''\*('&\*>50')''\*('&\*>5\*''(\*25''(92\*''2-5'5''/'7(?'7''@.&126(-'D.\*+'2'D.5'''&?''9\*%>#''()'(>%'7''25''%&+.?''\*'2#&<'\$>\*''2#&<'\$>\*''24&<'\$>\*''27&('D.\*+')29>7\*0'2-5'7''2%-''%&<'D+(&'''/(.9''&'.-'#(&\*'.-&\*2-9''&+2/'''@%''2\*'.-[>''-9'''2-5'''\*+''')(%''<+2/'''\*+'''72%@''&\*'25/(9290'.#?29\*'(-'(>%'9(-6->''5'&>99''&&A''

(?"%26-@'%((#<'\*+"'972&&%((#<'\*+"'72\$(%2\*(%)<'D.\*+.-'

$$\label{eq:solution} \begin{split} \#2-0'0''2\%'8'+2/'''+\%/''5'(-'*+'''(??(\%>-.6''8''+2*'.-&?.\%'''(*+''\%84'B*'.&'*+'''(??(\%>-.*0'*('.-&?.\%'')>*>\%'') \\ @''-''\%26(-&'*('D(\%3'*(@''*+''\%'('9(-6->(>&10'9\%'2*''-''D'+(\%F(-&))(\%2'D.5'''&?''9*\%>\#'())&*>5''-*&<)29>1*0' \\ 2-5'&*2S'.-'?2\%'-''\%4+.?'D.*+'*+''9(\#\#>-.6''&'*+2*'D'''&''\%/''*+2*''C9.*''&'#'''#(&*A'B'+2/'''27D20&'#''2&>\%'5'' \\ \#07''25'''&*+.?'E(>\%-''0'.-'2'/''\%0'&.#?7'''D20<0*('+2/'''#25'''(*+''%?'''(?7'')&5'''2#&'9(#'''*\%>''0<'''*+1''') \\ \end{split}$$