

"#\$\\&'!()(*!+,&-.\$!/01\$2! 3,45,6-!7.\$!8\$.#.6196!:3;8<!

```
=,6>$\\#-\\.&?!
 !"#$\&'()*+,+"*#-),&"..(),&"..()"/0)1*"0$"&+),&$0+/&,).*23)"\()45!6"..7\)7"&+0)#"38$,+,\)"*+)7/97&+0)&2\)88\()
.2^*)"/.4:5)<+/.2^*)5="*0)2.)$8)&2>>?(@@@).2*)8*2A+#&,\&"B7/1)8\"#+)0$*7/1\&-+):8*7/1)C@CD),+3+.&+*E)
F-7,"="*0)7,"/)2882*&$/7&').2*)3+/&2*,\&2)*+#+79+).$/07/1\&2)+/1"1+)$/0+*1*"0$"&+),&$0+/&,\(2/)&-+7*)
#$**+/&)*+,+"*#-)"/0)#*+"&79+)8*2A+#&,E)5="*O+O)8*282,"%,)=7%)#%+"*%')O+,#*7G+)")8*2A+#&)=7&-)")
07, \&7/1$7, -+0)3+/\&2*7/1)8\%"/).2*)$/0+*1*"0$"&+), \&$0+/&,)7/92\%9+0E)
                            H F-+).\$/07/1\\\\737\&\).2*\\&-7,\\:!\I\)7,\\>?(@@@E)
                          &-+7*)"88\\7#"\&72/E))
                           H = \frac{1}{0}, \frac{3}{0}, \frac{3}{0
                                                      97*\&\$''\%)#2/.+*+/#+N=2*B, -28)2*)2\&-+*)8*2.+, 72/''\%)3++&7/1E)
                          H 5\% 8*2A+#&=2*B 3 $.&\&"B+)8\"#+)0$*7/1\&-+): 8*7/1\C@CD).+3+.&+*)G+&=++/\0007(\$"*'\)P?(\OC@CD(\)"/\0007(\)"/\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\0007(\000
                                                       5 8*7%)CQ()C@CDE)
                          H ! $/0.) 3 $.\&)G+).8+/\&)G') 5 8*7%)CO()C@CDE)
                          H 588%7#"&72/,)=7%%)28+/);+8&+3G+*)?@)"/0)#%2,+)R29+3G+*)?()C@CL()"&)PP$DT83E)
                           H 5 = "*0++, = 7\% G+ \frac{2 (7.7+0)97"}{3 (7\%)2} U+\#+3G+* C()C@CLE)
   + .&-.$!@9%'\A\\9\\-B!
                           H = !"\#\$\&'()8*2.+, 72/"\%)"/0)82, \&602\#\&2*"\%)*+, +"*\#-+*, ()1*"0$"\&+), \&\$0+/\&, ()"/0), \&"...)3"')"88\%')"/0)
                                                         +*9+)", 04: 5:3+/(2*,E)
                           H 588\%7\#''/\&, 3''')2/\%', \$G37\&)2/+)8*282, \%).2*)+\%+J$+, \&).2*)8*282, \%)K:!IME)
                            H 588\f"/\(\ell_1\)3"'\2/\f")\(\frac{4}{179+}\)"/\(\frac{4}{1}\);\(5)<\(+/\ell_2\)5="\(\frac{4}{179}\)\(\ell_2\)2\(\ell_2\)2\(\ell_2\)\(\frac{4}{179}\)\(\ell_2\)\(\frac{4}{179}\)\(\ell_2\)\(\frac{4}{179}\)\(\ell_2\)\(\frac{4}{179}\)\(\ell_2\)\(\frac{4}{179}\)\(\ell_2\)\(\frac{4}{179}\)\(\ell_2\)\(\frac{4}{179}\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\ell_2\)\(\
                                                         10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{10} = 10^{
"-52,&-!@9\\'\A\\9\\-B?!!
                                                  U+1*++6,++B7/1)45!)$/0+*1*"0$"&+),&$0+/&,K=2*B7/1)&2="*0)"/)V##$8"&72/"%)
                                                      W/02^*.+3+/\&()X+^*\&7.7\#''\&+()5..2\#7''\&+().U+1^*++)2^*)Z''\#-+(^2*(.)U+1^*++()2.)''/')'+''^*)2.).\&90'()
                                                      "/" (07, \#78\%7/+)"/" (0)"/" (1)45!) \#"38\$,)"*+)+\%717G\%+)\&2)"88\%"E))
                                               (\&SO+/\&, 3.\&)G+)*+17.\&+*+O, 2*)(\&)+*, (\&SO+/\&, OS*7/1)&-+) (\&SO+/\&, OS*7/1)(-+) (\&SO+/\&, OS*7/1)(-+) (\&SO+/\&, OS*7/1)(-+) (&SO+/\&, OS
                                            X$ 3 $\"\&79+) [ I 5 )2.)CE?)2*)G+\&\&+*)K,\&$O+/\&,)2/)"#"O+ 3 7#)8*2G"\&72/)"*+)/2\&)+\%717G\\+ME)
                                                      (890+/8.8-8)-9+1*0$(8+0)*+1/28+7176+828*87778*8+E
                                                   (\&\$0+/\&,)<5 \setminus (RVF)^*+\#+79+).\$/07/1).*23)4::5)''/0)''/2\&-+*),2**#+)K,$#-)'',)Z\%'';F()
                                                      RZ: W()4:1:W()+\&\#EM)O\$^*7/1)\&-+, "3+, +3+, &+*E)F-7, 7, &2)"%2=)&-+, 3"^73$3)/$3G+*)2.)
                                                       (\$9+/\$, \$2)*+\#+79+).\$/07/1)0\$*7/1)")179+/)\$+*3E)
                                                      \frac{1}{2}; \frac{1}{2} \frac{1
                                                       ! "%%N; 8*7/1N; $33+*) I*2A+\#\&, () < +/\&2*) 5="*0, ()X2333*/7\&'6W/1"1+0) +"*/7/1) I*2A+\#\&, ()
                                                         \frac{1}{2} \frac{1}{2} \frac{1}{4} \frac{1}
!
```

```
 \begin{array}{l} \textbf{C\$\%-,\$\%1!7.\$!'',9,>-\%.\&?!)} \\ \textbf{))} \\ \textbf{5}="*0),+\%+\#\&72/,)=7\%\%)\textbf{G}+)\textbf{G}'',+0)2/\$))) \\ \textbf{PM} \end{array}
```

- 77E X2%+1+)2.)W/17/++*7/1)"/0)<7/+,)KXW<%
- 777E X2W+1+)2.)!7,-+*7+,)"/0)V#+"/);#7+/#+,)KX!V;M)
- 79E X2%+1+)2.)