```
! "#$%&' ()&*+*,&
&
- . &/01&23&4567\/8&2195/1:&
```

; 1% . <&"%15=1&>\$9?&/01&4567%/8&2195/1@=&A9/1#95/\$ . 95%B?765/\$ . 9&C . DD\$//11@=&#1E\$1<& . >&\$9/1#95/\$ . 95%&1?765/\$ . 9&5/&23&5=&"1#&/01&2195/1&605#F1& . >&/01&> . % . <\$9F:&

 $! "#\$\%' #(\&) "*+\&),\$-./0) "*+\&\$1+22" "##\$*3\$0") (4#.\$5*' "\$(#6*#5*&4\$' "#\$0/((#&'\$7+,*0*#3\$)) \&.\$7(+0#./(#3\$(#,)) "#.\$'+\$8'/.9\$:;(+).\$*&'#(&) "*+&),$#=0") &4#\$\) &.\$*&'#(&) "*+&),$ 3'/.#&'\$(#0(/*'2#&'\$)3\$5#,,\$)3\$' "#*(\$*27,#2#&') "*+&\$\) &.\$7(+6*.#\$)\$(#7+('\$+\$\)" "#*(\$(#6*#5\$'+\$' "#\$?)0/,'9\$8#&) "#\$\! "#\$1+22*' "##\$\$(#7+('\$3"+/,.\$*&0,/.#\$37#0*>*0\$(#0+22#&.) '*+&3\$ B*\$)\$9\$*&\$\) (#)3\$" "#9\$>##,\$" "#(\$*3\$)\$&##.\$>+(\$*27(+6#2#&'\$\$$ 

A9&.#?1#&/.&#1E\$1<&23@=&\$9/1#95/\$.95%&1?765/\$.9&"#.F#5D=)&".%\$6\$1=)&59?&"#.61?7#1=&59?&=7FF1=/&#16.DD19?5/\$.9=)&<1&6.D"\$\h1?\\$9>.#D5/\\$.9\b#.D&E5#\\$.7=&=.7#61=:&

'\$\text{H1\psi^16.DD}19?\psi^96\psi^15=1?\psi^\$9596\psi^5\psi\_59?\psi''1\psi=.991\psi=7\\\.\psi''\.\psi'\delta'\.\psi'\delta'\delta'\delta'\psi'\delta'\delta'\delta'\psi'\delta'

\*(;\$

RG\$ H1&#16.DD19?&5""#.E5%&.>&6.7#=1&6.9/19/&>.#&23P>567%/8&%1?&"#.F#5D=&/.&#1D5\$9&=.%1%8&\$9&/01&059?=&.>&>567%/8&\$?1"5#/D19/=&59?&=60...&6.DD\$//11=T&<\$/0&9.&79\$E1#=\$/8P<\$?1&"#1=6#\$"/\$.9)&\$9&.#?1#&/.&19=7#1&5%&?\$=6\$"%\$91=&659&>56\$%\$/5/1&/01\$#&=/7?19/=&/.&=/7?8&5N#.5?)&<\$/0&5?D\$9\$=/#5/\$E1&5""#.E5%6.9/\$97\$9F&/.&N1&N5=1?&.9&9.9P6.9/19/&6.961#9=&=760&5=&>\$95961=&59?&#\$=V&D595F1D19/G&&

 $\begin{array}{l} H\ 1\&5\#1\&05""8\&/.\&"\#1=19\&5\&=.\ D\ 1\&>7/7\#1\&?5/1\&/01\&\#1=7\&-\&.>\&/0\$=\&=7\#E18\&\$9\&D.\#1\&?1/5\$\&59?\&0."1\&/.\&=19?\&>.\&\&.<7"\&=7\#E18=\&\$9\&>7/7\#1\&=1D1=/1\#=6\&4.\#\&9.<)\&<1\&=7DD5\#\$L1\&/01\&67\#19/\&=/5/1\&.>\&2.3\&=/7?8\&5/\#.5?)\&\$/=\&".\$$6\$1=)\&59?\&0.<&>567\%/8\&E\$1<&2.3@=\&\$9/1\#95/\$.95\%&1?765/\$.9\&"\#.F\#5D=)\&59?\&D5V1\&\#16.DD19?5/\$.9=6\&$$ 

åå

 $B\#\$6\&M\$1NF.\$?)\&KOGXG\&59?\&X1185\&\ \ \ \$/\#5\&KOGXG\&C.P6O5\$\#-\&.\&4567\%/8\&2195/1\&ABC\&$ 

 $2\ 3\ \&A9\&\_\&\ a\ 1 < \&"\#.F\#5D\&S=/5\#/\$9F\&^*+*RT\&D\$\#\#.\#\$9F\&./01\#\&79\$E1\#=\$/\$1=@\&"\#.F\#5D=\&/05/\&\&\$9./\&5\&=7N=/\$/7/1\&>.\#\&W\&.N5\&21D\$95\#=\&N7/\&D159/\&/.\&\$96\#15=1\&23\&=/7?19/\&\&"5\#/\$6\$"5/\$.9\&?71\&/.\&\&.==1=\&\$9\&97DN1\#=\&>.\#\&W\&.N5\&21D\$95\#=\&N1657=1\&/018\&05E1\&6.9=.\%\$?5/1?\&\#\$=V\&D595F1D19/\&59?\&N79?\%1?\&"\#.67\#1D19/\&\$9\&"5\#/\&N1657=1\&/018\&5\#1\&\%\$9V1?\&<\$/0\&"5\#/91\#\&\$9=/\$/7/\$.9=G\&$ 

| kkkkkkkkkkkkkkkkkk                      | åå   |
|---|--|
| *************************************** | 8935?8;'+FAG8?=1'  |
|   | $a5/\$.95\%2/7?19/\&B`6059F1\&\$=\&5\&91<\&9.9PF\%.N5\%\\=7N=/\$/7/1J5??\$/\$.9\&/.\&.7\#\&''5\#/91\#\&\&$ |
|   | \$9/1#95/\$.95%&1`6059F1&"#.F#5D=&<\$/0&=.D1&N191>\$/=G&   |
| •                                       |  |
| *?91:?                                  | 8935?8;'!9@>1?9'%1A:@3971?9'   |
|   | B9#.\\D19\&.>\\91<\\\95\\.95\\=\7?19\=\05=\\N1F79\\.\\#16.E1\\=\.<\8\\59?\\=\/59?\\5\\\                    |

## %12314'56'<@:21D'56'68A@;9D''

 $! \&=7\#E18\&6. \ D"\#\$=\$9F\&171=/\$.9=\&5N.7/\&>567\%/8\&"1\#="16/\$E1=\&.9\&F\%.N5\%\&15\#9\$9F)\&=/7?8\&5N\#.5?)\&59?\&=/7?8\&5<58\&<5=\&?\$=/\#\$N7/1?\&56\#.==\&=60...=\&59?\&/0\#.7F0\&23\&"7N\%\$65/\$.9=0\&!\&/./5\%\&.>\&'*'\&S*Z60[T\&>567\%/8\&6.D"\%1/1?\&/01\&=7\#E186\&\&$ 



# 

-01&N191>\$/=&/.&1`"1#\$196\$9F&F%.N5%&\$15#9\$9F&5#1&6%15#6&4567%/8&.>/19&7=1?&F%.N5%&\$15#9\$9F&\$9&/01\$#6.7#=1=&59?&<\$?1%8&5F#11?&/05/&=/7?8&5N#.5?&"#.F#5D=&05E1&D15=7#5N%1&\$D"56/G&-01=1&\$96%7?1?&=/7?19/=&#1".#/\$9F&059?=P.9&%15#9\$9F&1`"1#\$1961=&\$9&=6\$1961)&\$96#15=1?&67%/7#5%&5<5#191==)&1D"5/08&/.<5#?=&./01#&67%/7#1=)&79?1#=/59?\$9F&.>&F%.N5%&\$=71=&5??#1==1?&\$9&/01&6.7#=1)&59?&=01??\$9F&.>&1/09.619/#\$6&/19?196\$1=G&!??\$/\$.95%%8)&>567%/8&#1".#/1?&".=\$/\$E1&E\$1<=&.>&F%.N5%&\$15#9\$9F&5/&23&\$4\$F7#1&\*TG&

 $$$ $\frac{1.5\%D}{5.6236}$$$ å å

<05/&.#&<0.&=0.7%?&?1E1%."&/01=1&.7/6.D1=)&N7/&<1&#16.DD19?&/018&N1&?1E1%."1?G&M\$V1<\$=1)&5%&F%.N5%&1`"1<math>#\$1961=&?.&9.&05E1&/01&=5D1&\$D"56/G&4.#&1`5D"%1)&=/7?8\$9F&5N#.5?&>.#&59&19/\$#1&=1D1=/1#&\$=&7=75%8&D760&D.#1&\$D"56/>7%&/059&5&\*PR&<11V&=0.#/&/1#D&<\$9/1#&.#&=7DD1#&W%.N5%&21D\$95#G&-01&D.#1&%D1&5&=/7?19/&="19?=&5N#.5?&/8"\$65%8&%15?=&/.&D.#1&N191>\$/=G&U.<1E1#)&\$/&\$=&NE\$.7=&/05/&598&F%.N5%&%15#9\$9F&\$=&N191>\$6\$5%&59?&9./&5%&=/7?19/=&659&"5#/5V1&\$9&%.9F1#&1"1#\$1961=&>.#&565?1D\$6)&>\$9596\$5%)&59?&"1#=.95%&#15=.9=G&&



å

#### H@>=19'8?>'1FC1?<1<'

 $260...\&\&ABC=\&59?\&>567\%/8)\&5=\&<1\%\&5=\&/01\&CAB\&\$/=1\%>\&05E1\&9./\&61?\&\#1619/\&>79?\&9F\&\$==71=\&59?\&<\\ <\$?1\%8\&59?\&6.9=\$=/19/\%8\&\#16.DD19?1?\&\$96\#15=1?\&>79?\&9F\&/.\&/01\&CAB\&59?\&F\%.N5\%\&15\#9\$9F\&/0\#.7F0\&\\ \$96\#15=1?\&N7?F1/=)\&"\$9\&\%\$91=)\&59?\&=/7?19/\&=60.\%5\#=0\$"=)\&1="16\$5\%\%8\&\$9\&\%$F0/\&.\&?16\#15=1?\&".=/PC.E\$?\&>79?\&9F0\&H1)\&/01\&4567\%8\&2195/1\&ABC)\&05E1\&9./\&61?\&59?\&=/\#.9F\%8\&160.\&/0\$=\&911?\&>.\#\&\$96\#15=1?\&\\ >\$95961=\&/.\&/01\&CAB\&S/O\#.7F0\&N7?F1/\&59?\&"1\#=.991\%7\&59?\&/.\&=/7?19/\&F\&.SE\$5\&=60.\%5\#=0\$"=T\&/.\&195N\%1\&=/7?19/\&F\%.N5\%\%15\#9\$9F\&\$>\&/01\&5?D\$9\$=/\#5/\$.9)\&\%V1\&/01\&E5=/\&D5d.\#$/8\&.>\&>567\%/8)\&6.9=\$?1\#=\&\&/\&<..\#/0<0\%16\&"$ 

å

## I 18: ?3?=' ( @9A5 7 1<'

### H@>=19'8?>'B1:<5??1;'

!9@>1?9'%1A:@3971?9'L95'!"'8?>'6:57'!"'5?'<9@>D'8E:58>'C:5=:87<\\

**K1':1A5 7 71?>'**?1?\\$65/1?\\0.7=\\$9F\\.9\\65D"7=\\#1/7\#9\\>.\#'\\\$9/1\#95/\\\.95\\\=/7?19/=\\59?\\\=60.\\5\#=\\0000'

**K1':1A5771?**>&#1E\$=\$.9&.>&UY&"#.61?7#1=&/.&#1?761&"./19/\$5\\&\cdot\.#&C\$E\$\\&Y\$F0/=&E\$.\\\$5/\$.9=&\\8&UY&\$9?&\0\$\#\$9F\\D595F1\#=&\#1F5\#?\$9F\\\.#1\\$F9\&1D"\\.811\\0\$\#\$9F\\=/5\#/\&?5/1=G\\.\\\$6.\#?\$9F\\.\\

 $\textbf{K 1':1A5 7 71?} \& D "\#.E1?\&6.DD79\&65/\&.9\&/.\&?1"5\#/D19/=\&.9\&/O1\&\&D".\#/5961\&.>\&59?\&\\ \& 15\#9\$9F\&.Nd16/\$E1=\&>.\#\&=/7?\&\&5N\#.5?)\&<01/01\#\&.\#\&9./\&5\&?\$=6\$"\%\$91\&05=\&?\$\#16/\&\%\$9V=\&/.\&F\%.N5\%\&\\ \& 15\#9\$9F)\&"./19/\$5\%8\&/O\#.7F0\&/O1\&4567\%8\&2195/1\&ABCG\&$ 

I18: ?3?=' ( @9A5 7 1<'8?>' / ;5E8;' , 5@:<1' , 5?91?9'