$\begin{array}{ll} \# \\ & \# \\ & 4"\#B+C'0\#/012'--*1.\%,\#:0'5'.+*\%,-\#D,*7'.-60'E\#7'0+*2*7\%+*1.E\#'+7"F\#\# \\ & H \\ & I = (-+47*\$@(7-/\$I..14+7/+1*\$?QC\$21-\$@(7:/"47-(\$!-1,+8(-\$ MD--(*/\$ F7/+1*7:\$I/":(/+4\$'-7+*(-.1\%I..14+7/+1*\$!"'')\#\$\%\&\$ \%\&AV\$\%\$) \\ & F7/+1*7:\$I/":(/+4\$'-7+*(-.1\%I..14+7/+1*\$!"''')\#\$\%\&\$ \%\&AV\$\%\$) \\ & M(-/+2+(8\$I/":(/+4\$'-7+*(-\$!')))(\$\$\$\$())*(+\&\$ \%\%) \\ & M(-/+2+(8\$I/"))(+(+4\$'-7+*(-\$')))*(+\$\% \%\%) \\ & M(-/+2+(8\$I/"))(+(+4\$'-7+*(-\$)))*(+(+4\%)) \\ & \%\&AG\$\%\gg) \\ & M(-/+2+(4))(-(8\$I/"))(+(+4\$'-7+*(-\$))) \\ & & \%\&AS\% \\ \end{array}$

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W"#Y6.5'5#L.+'0.%,#)'%7C*.9#W0%.+-#%.5#:1.+0%7+-(

\$ \$ \$ \$ \$ \$ \$ \$ S # U"#\$1.]0'2'0''5#!0+*7,'-(# J"#:1.2'0'.7'#/017''5*.9-## %"#A'2'0''5#:1.2'0'.7'#/017''5*.9-(# # %&%%\$ **06:5-5F6J/E** KXb§fC7=\$@1D./1*\$C/7/(\$)*+, (-.+/0b\$4+2"&<*6(.42-"";.8%-;+%\$2.,6*\$&+6#J. >;\$&\$2*;. E *&*:+0+&%.)+2\$#\$"&#."&.I"C.4"2\$"+2"&"0\$2.4%*%5#.!*%\$+&%#7\$cJD:0\$%%!"T\$%&%%d\$ ""(\$C1D/" < (.) I/":(/+4\$' - 7+*(-.) I...14+7/+1*\$C0 = >1.+D=b\$ I.+:+*:/1*1\$' U.C(" = (-\$ 6 F ft \$ 06:5 - 5F6J/EKft ?+(.(\$9 6 ft C4"7(2(-\$# I ft * -+; ./(8\$C 6 ft * 1./(8)C 6?(::\$#OfR\$f'"(\$) *+, (-.+/0\$12\$3+.41*.+*\$678+.1*T\$hK*8+7*7\$C/7/(\$) *+, (-.+/0b\$4%6+&:%-.) \$33+6+&2+#.\$&./&=56+<.*&<.9+*;%-(.I\$0?#.*%.K.E''&%-#.*&<.L.E''&%-#.!''##B>I. *A*+2*"&*#%652%*"&*%cJD:0%%&%%d\$' "(\$F7/+1*7:\$I/":(/+4\$'-7+*(-.i\$I..14+7/+1*\$M1*2(-(*4(\$ $06:5-5F6J/E KXTS 6 +::(-$ MfT$ \ E(-=7*$Q \ hT$?+(.($96 fT$C("=(-$6 FfT$?(::$#OfT$f'"($$) *+, (-.+/0\$12\$ 3+.41*.+*\$ 678+.1*T\$hK*8+7*7\$C/7/(\$) *+, (-.+/0b\$4+2"&<*6(.42-"";.8%-;+\$\$2. *4*%5<(7%c I>-+:\$%&%%d\$ j 7:(\$?1D4"(/\$M1*2(-(*4(\$1*\$#+, (-.+/0\$7*8\$S-78D7/(\$\8D47/+1*b\$ C(" = (-\$ 6 F ft\$ 0 6:5-5F6J/E kft\$?+(.(\$9 6 ft\$C4"7(2(-\$# I ft\$'-+;./(8\$C 6 ft\$!1./\$) S ht\$)))?(::\$#OfR\$f'"(\$)*+,(-.+/0\$12\$3+.41*.+*\$678+.1*T\$hK*8+7*7\$C/7/(\$)*+,(-.+/0\$4%6+&:%-.) \$33+6+&2+#.\$&./&=56+<.*&<.9+*;%-(.1\$0?#.*%.K.E"&%-#.*&<.L.E"&%-#.!"#%H8>1. *A*+2"&#%652%"&%c67-4"\$%&%%d\$ ' "(\$S-(7/\$Q7g(\$I/":(/+4\$'-7+*(-.i\$I..14+7/+1*\$6((/+*:1\$ 3 "((:+*;T\$KQ\$ S $06:5 - 5F6J/E KXT = \frac{1}{2} + \frac{1}{2} T = \frac{1}{2} T$

06:5-5F6J/E KXT\$ 6+::(-\$\MfT\$!-+(/1\$QfT\$M1:D=*7\$QfT\$?+(.(\$9 6fT\$?(::\$#OfT\$f'"(\$))*+,(-.+/0\$12\$3+.41*.+*\$678+.1*b\$,-+./01*2%."3.4"2\$"+2"&"0\$2.4%*%5#."&.41"6%. !*6%\$2\$1*%\$"&7\$c 67-4"\$%&%%d\$'"(\$S-(7/\$Q7g(\$I/":(/+4\$'-7+*(-.i\$I..14+7/+1*\$6((/+*;T\$ 3"((:+*;T\$KQ\$ 82%D\$%(. ! 6'': 6*07\$cJD*(\$%&%Ad\$K*/(-*7/+1*7:\$C0=>1.+D=\$12\$ I 87>/(8\$!"0.+47:\$ I 4/+,+/0b\$

06:5-5F6J/E Kb\$8<<6+##\$&:.%-+.4"2\$*;.)+%+60\$&*&%#."3.9+*;%-.\$&.8&.8%-;+%\$2.!"15;*%\$"&7\$ cI>-+:\$%&%Ad\$'"(\$3+.41*.+*\$I/":(/+4\$'-7+*(-.\\$I..14+7/+1*\$CO=>1.+D=b\$]+-/D7:\$

 $\begin{array}{l} \textbf{06:5-5F6J/E} \ \texttt{KT}\ ?+(.\ (\$9\ 6\ T\$\ 6\ 4\ S\ D+*(\$'\ I\ T\$C4''7(2(-\$\#\ I\ T\$\ ?-11g.\$\ 6\ I\ T\$\ 3\ 7/.1*\$\ I\ 6\ T\$Q4\ 6\ 50(1)\ 9\%) \\ +(/''(-=(.\$C\ I\ T\$\ ?\ (::\$\#\ O\$\$\ 9\$): -.42-''';.0*6\#\$\%(.>''*2-+\#).'F1+2\%*\%\$''\&''\&\#,''3.Q''5\%-.41''6\%, \\ 41+2\$; \$B*\%''\&''\& *\&<./\&\%''\& \&.(..., 6*\$\&\&\&: 6.8.2'''01*6\$\#''\&.''3.>''*2-.4+F7.cJ7*D4\ 6\ 50Q4\ 6\ 50(0\%\&\&), \\ S-(7/\$Q7g(\$\ I/'':(/+4\$'\ -7+*(-.i\$\ I\ ..14+7/+1*\$\]+-/D4\ 6\ 50Q4\ 6\ 50:$

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06:5-5F6J/E KT\$?+(.(\$9 6T\$ 64SD+*(\$' IT\$C4"7(2(-\$#T\$?-11g.\$ 6 IT\$ 37/.1*\$I 6T\$Q4 650Q* !JT\$9:+(/"(-=(.\$CIT\$?(::\$#Ob\$, -+.*##"2\$*%\$"&.?+\C++&.9\$:-.42-"";.>5\\\\$&:.!";\$2(.*&<. 42-"";.4\$B+.C\$\\-.41"6\\.41+2\$*;\$B*\\\$"&.4*\5#.*&<.E5;\\\$#1"6\\.!*6\\\$2\$1*\\\$"&?\$JD:OT\$\\&\\&\$]+-/D7:\$F7/+1*7:\$I/":(/+4\$'-7+*(-.i\$I..14+7/+1*\$M1*2(-(*4(\$

%&AZ\$	06:5-5F6J/E KT\$!1./\$\ST\$?+(.(\$96T\$C4"7(2(-\$#IT\$?(::\$#OT\$?-11g.\$6Ib\$!+62+1%\$"&#."3. @*2%"6#.A+;*%+<.%".41"6%#.41+2\$*;\$B*%\$"&.?+%C++&.!*6+&%#.*&<.>-\$;<6+&b\$cJD*(\$%&AZd\$'"(\$ F7/+1*7:\$I/":(/+4\$'-7+*(i\$I14+7/+1*\$M1*2(-(*4(T\$Q7.\$](;7.T\$F]\$
	06:5-5F6J/E KT\$!1./\$\ST\$?+(.(\$96T\$C4"7(2(-\$#IT\$?(::\$#OT\$?-11g.\$6I\$!+62+1%\$"&#."3. @*2%"6#.A+;*%+<.%".41"6%#.41+2\$*;\$B*%\$"&.?+%C++&.!*6+&%#.*&<.>-\$;<6+&7\$c_(E-D7-0\$%&AZd\$ '"(\$S-(7/\$Q7g(\$I/":(/+4\$'-7+*(i\$I14+7/+1*\$6((/+*;T\$3"((:+*;T\$KQ\$</td></tr><tr><td>%&AB\$</td><td>06:5-5F6J/EKb\$, -+.9+*;%8##+##0+&%. "&.M++<#. "3.S*&#*#.4%*%+.4%5<+&%#.456D+(b\$cI>-+:\$ %&ABd\$#(2(*.(\$7*8\$!DE:+4\$@(7:/"\$\H>(-+(*4(T\$67*"7//7*T\$9C\$ \$</td></tr><tr><td>%&A[\$</td><td>06:5-5F6J/E Kb\$<i>I</i>*%+6*;.8&T;+.!*\$&.\$&.*.,6*2T.*&<.@\$+;<.8%-;+%+G.>*#+.4%5<(b\$cJD:0\$%&A[d\$'"(\$6+8<(./\$C>1-/.\$6(8+4+*(\$M1*2(-(*4(T\$3+4"+/7T\$9C\$</td></tr><tr><td>%&AG\$</td><td>06:5-5F6J/E KT\$ '-1<E-+8; (T\$Mb\$> "6+.4%*?\$;\$%(.*&<.9\$1.A*&:+."3.E"%\$"&.>-*&:+#.5#\$&:. , -6++.) \$33+6+&%.4-"6%H%+60./&%+6D+&%\$"&#.*\$0+<.*%.E5#2;+.@;+F\$?\$;\$%(.*&<U"6.E"%"6. >"&%6";.*&<.4%6+&:%-7\$c I>-+:\$%&AGd\$C>-+*;\$%&AG\$@1*1\$O(.(7-4"\$C0=>1.+D=T\$I-:+*;/1*T\$</td></tr></tbody></table>

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- %&%%\$ **06:5-5F6J/E** KT\$!-+(/1\$Q I T\$O(E*(\$ I I T\$?1":+; \$ 6 b\$*S*\$& '*V*%. *E* +&%"6\$&:.!6":6*07\$c I>-+:\$ %&%%d\$ j 7:(\$?1D4"(/\$M1*2(-(*4(\$1*\$#+, (-.+/0\$7*8\$S-78D7/(\$\8D47/+1*b\$
- %&%&\$
 06:5-5F6J/EKT\$?+(.(\$96T\$64SD+*(\$'IT\$C4"7(2(-\$#T\$?-11g.\$6IT\$37/.1*\$I6T\$Q7*;\$
 !JT\$9:+(/"(-=(.\$CIT\$?(::\$#Ob\$, -+.*##"2\$*%\$"&.?+%C++&.9\$:-.42-"";.>5%%\$&:.!";\$2(.*&<.</td>

 42-"";.4\$B+.C\$%-.41"6%.41+2\$*;\$B*%\$"&.4%*%5#.*&<.E5;%\$#1"6%.!*6%\$2\$1*%\$"&34/1E(-\$B/"T\$</td>

 %&%&\$B1.65Y3/06-=4@/PZ284;/M636-:C@/,;.N1382.T\$678+.1*T\$3K\$
- \$ %&AZ\$ **06:5-5F6J/E** KT\$!1./\$\ST\$?+(.(\$96T\$C4"7(2(-\$#IT\$?(::\$#OT\$?-11g.\$6Ib\$!+62+1%\$"&#."3. @*2%"6#.A+;*%+<.%".41"6%#.41+2\$*;\$B*%\$"&.?+%C++&.!*6+&%#.*&<.>-\$;<6+&7\$670\$[/"T\$%&AZT\$ **7BTE-F8315/[:-F2-46/\-5Z264**T\$678+.1*T\$3K\$
- - A+#1"&#+.%".9(1+6\$2+W.*&<.X%-+6.,6*<\$%\$"&*;.>6("%-+6*1(.,+2-&\$V5+#7\$c670\$%&AXd\$'"(\$)*+,(-.+/0\$12\$'(H7.\$7/\$I-:+*;/1*\$9+*(.+1:1;0\$O(.(7-4"\$#70T\$I-:+*;/1*T\$'U\$

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P"#!U-+0%7+-(#

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?@6/A1==1]85S/N2U=83@6F/-U34:-C43/]6:6/-=31/N:636546F/-4/C15A6:65C63V/?@636/-:6/-=31/=8346F/85/ ^ 15A6:65C6/`:1C66F85S3a/-U196>//

/ %&%%\$

06:5-5F6J/EKXb§fC7=\$@1D./1*\$C/7/(\$)*+,(-.+/0b\$4+2"&<*6(.42-"";.8%-;+%\$2.,6*\$&+6#J. >;\$&\$2*;.E*&*:+0+&%.)+2\$#\$"&#."&.I"C.4"2\$"+2"&"0\$2.4%*%5#.!*%\$+&%#7\$cJD:0\$%%!"T\$%&%%d\$ '"(\$C1D/"<(./\$I/":(/+4\$'-7+*(-.\$I..14+7/+1*\$C0=>1.+D=b\$I-:+*;/1*T\$'U.

⁹ C("=(-\$6FfT\$**06:5-5F6J/E**KfT\$?+(.(\$96fT\$C4"7(2(-\$#IfT\$'-+;./(8\$C6fT\$!1./\$\ShT\$?(::\$#OfR\$f'"(\$)*+,(-.+/0\$12\$3+.41*.+*\$678+.1*T\$hK*8+7*7\$C/7/(\$)*+,(-.+/0\$4%6+&:%-.) \$33+6+&2+#.\$&./&=56+<.*&<.9+*;%-(.I\$0?#.*%.K.E"&%-#.*&<.L.E"&%-#.!"#%H8>I. A+2"&#%652%\$"&7\$cJD:0\$%&%%d\$'"(\$F7/+1*7:\$I/":(/+4\$'-7+*(-.i\$I..14+7/+1*\$M1*2(-(*4(\$

 $06:5-5F6J/E KXT\$ 6 +:: (-\$ M fT\$ E(-=7*\$Q hT\$?+(.(\$9 6 fT\$C("=(-\$6 F fT\$?(::!$#OfT\$f'"($))*+, (-.+/0$12$3+.41*.+*$678+.1*T$hK*8+7*7$C/7/($)*+, (-.+/0$4+2"&<*6(.42-"";.8\%-;+%$2., 6*$&+6#J.M*D$: *%$"&."3. ! *%$+&M.4"2$"+2"&"0$2.4%*%5#.>-*;;+&:+#.$&.>*6+G.8.N5*;$%*%$D+. 4%5<(7$c I>-+:$%&%%d$ j 7:($?1D4"(/$M1*2(-(*4($1*$#+, (-.+/0$7*8$S-78D7/($\8D47/+1*b$))*$ $C("=(-$6 F fT$06:5-5F6J/E KfT$?+(.($9 6 fT$C4"7(2(-$# I fT$'-+;./(8$C 6 fT$!1./\ShT)$

C("=(-\$6 F f 1\$06:5-5F6J/EKf 1\$?+(..(\$9 6 f 1\$C4'''/(2(-\$#1 f 1\$' -+; ./(8\$C 6 f 1\$)!1./(\$ Kh1)?)?(::\$#Of R\$f'''(\$) *+, (-.+/0\$12\$3+.41*.+*\$678+.1*T\$hK*8+7*7\$C/7/(\$) *+, (-.+/0b\$4%6+&:%-.)\$33+6+&2+#.\$&./&=56+<.*&<.9+*;%-(.1\$0?#.*%.K.E''&%-#.*&<.L.E''&%-#.!''#M8>I.

%&%&\$ `:85C8N=6/K596348S-41:>/E-;:65-/K3-.-:/06:5-5F6JV\$O1E(-/\$?("*g(\$O(.(7-4"\$ I..+./7*4(\$I<7-8b\$,-+.Y*66\$+6#.*&<.@*2\$;\$%*%"6#."3.I"C.4"2\$"+2"&"0\$2.4%*\$5#.Q"5%-. 8%-;+%+#.,"C*6<#.41"6%.41+2\$*;\$B*%\$"&7.S-(7/\$Q7g(.\$I/":(/+4\$'-7+*(-.\$I..14+7/+1*b\$o%TX&&\$

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V"#N6U&*++'5E#U6+#.1+#Y6.5'5E#4>+'0.%,#W0%.+-#%.5#:1.+0%7+-(#

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J"#Y6.5'5#L.+'0.%,#W0%.+-#%.5#:1.+0%7+-(#

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	S
%&%A\$	$O+4"7-8\b] 7*8(-,11-\6 (=1-+7:\C4"1:7"+>b\''(\F7/+1*7:\I/":(/+4\'-7+*()\))$
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	$67-0$ \$Ob\$ $64g*(($ \$7*8\$\:+e7E(/"\$37/(\$C4"1:7"+>b\$'"(\$)*+, (+/0\$12\$3+.41*.+*N
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S''#; .*<'0-*+=(#$
V"#N7C11.(#;E(#B1*C(-0*A8#./#M*0%.10*1#D#7&'*0.1#D#@%E..2#./#<'6%&A*.1(#
B6+0'%7C#7C%*0"#N7C11,#12#4567%+*1.#T%+*.'X`#!22*.*+=#W016?"#Y%,,#VKVK]/0'-'.+#
J"#@'?%0+&'.+XN7C11,(#;E(#B1*C(-0*A8#./#M*0%.10*1#D#7&'*0.1#D#N(0&-A))(1A#./#P*1(0*.2.58(#
: 1&&*++' '#7C%*0"#a*.4b+# [ '.+10*.9#7,6U"#N6&& '0#VKVK]/0'-'.+#
: 1&&*++''#7C%*0"#W0%56%+'#-+65*'-#71&&*++''"#Y%,,#VK]/0'-'.+#
:1&&*++''#7C%*0"#4b6*+=E#:,*&%+'E#%.5#@*<'0-*+=#:1&&*++''#N6&&'0#VKVK]/0'-'.+#
a*.'-*1.19=#W0%56%+'#N+65'.+#:1C'-*1.#:1&&*++''#/0'-*5'.+"#Y%,,#VKSc]/0'-'.+#
P''#/012' - -*1.\%, (#
! ((-\$0(,+(<(-\$\ 6\ C\$\ \#\ p\$\ C!\ a\ O'\ C@) | IO'\ @L\%\&\%AL\&YZYAXb\ 6\ C\$'\ '`\ O'\ R\$C>1-/\$.>(4+7:+e7/+1*T\$41=>(/+/+,(\$)))
, 1:D = (1 + 2D - 0) - (1 + 2D - 0
Z<sup>#$</sup>T$%&%A$
D*4/+1*T$ ! 7+*T$ ` $K*PD-O$+*$F1*7/'':(/($M1::(;($C/D8(*/.bq$JD:0$%V*"T$%&%A$
!((-$O(,+(<(-R$67*D.4-+>/$p$KJI''b%&%&&&GbOA$(*/+/:(8$Z,-+.>"01*6$#"&.Y+%C++&./&#%650+&%+<.*&<.
X?#+6D+6.A*%+<.E+*#56+#."3.%-+.E"<$3$+<.Y*;*&2+.'66"6.42"6$&:.4(#%+06.8.>6$%$2*;;(.8116*$#+<., "1$2Z$
21-$/"($K*/(-*7/+1*7:$J1D-*7:$12$I/":(/+4$'"(-7>0$`$'-7+*+*;b$JD*($AX/"T$%&%&$
$
:"#:1&&6.*+=(#
#
T%2'. '#G'%,+C#: '.+'0#G'%,+C#/01&1+*1.#)'%&"#[%.C%++%.E#aN"#N6&&'0#S0]N?0*.9#Sc#
#
#
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4"#N'0<*7'#W0%.+-#%.5#:1.+0%7+-#
S"#Y6.5'5#4>+'0.%,#N'0<*7'#W0%.+-#%.5#:1.+0%7+-(#
V"#N6U&*++'5E#U6+#.1+#Y6.5'5E#4>+'0.%.#N'0<*7'#W0%.+-#%.5#:1.+0%7+-(#
J"#Y6.5'5#L.+'0.%,#N'0<*7'#W0%.+-#%.5#:1.+0%7+-(#
#
P"#N6U&*++'5E#U6+#.1+#Y6.5'5E#L.+'0.%,#N'0<*7'#W0%.+-#%.5#:1.+0%7+-(#
```