: `cf]XU'GdU'G\cch]b[.'*-!MYUf!C`X 7\Uf[YX']b'G\cW_]b['AifXYf'7UgY



6fck UfX:7ci bhmž: `cf]XUž'I G5:!: #b`fYWYbh`XYj Y`cda Ybhg`h\Uh\Uj Y`g\U_Yb`h\Y`: `cf]XU`Wca a i b]hmž'hk c`Wf]h]WU``]bW]XYbhg`UfY i bZc`X]b[:]b`#JW_gcbj]``Y`UbX'6fck UfX'7ci bhmž'YUW\`]bj c_]b[X]gW gg]cbg`UVci h'di V`]WgUZYhmž'dc`]WY`WcbXi Whž'UbX`Wca a i b]hm hfi gh":5g`Vch\`Yj Ybhg`UhhfUWh``cWJ``UbX`bUh]cbU``UhhYbh]cbž'h\Y]a d`]WUh]cbg`UfY`dU`dUV`Y`UWfcgg`h\Y`ghUhY"

: i 'k YfY 'UWei U]bhY X 'df]cf 'hc 'h\]g'\cff]Z]W]bW]XYbhz'k \]W\
fYdcfhY X`m'cWW ffY X 'cb 'h\ Y 'a cfb]b['cZ'* \m'%* "'Dc`]WY '\ Uj Y
XYb]Y X @ W\ YbVi f['VcbX']b 'h\ Y 'k U_Y 'cZ'h\ Y 'W\ Uf[Ygz'gYfj]b['Ug
U'ghYfb 'fYa]b XYf 'cZ'h\ Y 'XYj UghUh]b['ci hWca Yg'h\ Uh 'WUb 'Uf]gY
Zfca 'dYfgcbU` 'WcbZ]Whg" 5g'cZ'bck z'h\ YfY ']g'bc']b Zcfa Uh]cb
fY[UfX]b['@ W\ YbVi f[g'`Y[U``fYdfYgYbhUh]cbz``YUj]b['gca Y
ei Ygh]cbg'\ Ub[]b[']b 'h\ Y 'U]f' Ug'h\ Y ``Y[U``dfc WYX]b[g'UXj UbWY"
I G5 'Hc X Um'fYd c fhg'h\ Uh'h\]g'Yj Ybh'\ Ug'`YZh'h\ Y ``cWU`
Wca a i b]hm'[fUdd`]b['k]h\ 'h\ Y'k Y][\ h'cZ'gi W\ 'j]c`YbWY"

HfUZZ]WGhcd '=b W]XYbh

A YUbk \]`Yž'\$JW_gcbj]``Y']g`W ffYbh`m'Ya Vfc]`YX']b`Wcbhfcj Yfgm Zc``ck]b['U'hfUZZ]Wghcd']bj c`j]b['&(!mYUf!c`X'@Y ?Y]Ub'K ccXg" 7 Udhi fYX'cb'j]XYcž'K ccXg'k Ug'gYYb'\UbXW ZZYX'k]h\'j]g]V`m gk c``Yb'YmYg'UbX'U'V`ccXm'ZUW'ž'fU]g]b['U`Ufa g'UVci h'dc`]WW dfUWh]WYg']b'h\Y'UfYU"'H\Y'\$JW_gcbj]``Y'G\Yf]ZZ g'C ZZ]WY'fl&GC Ł UW_bck `YX[YX'h\Y'i gY'cZ'ZcfW'Xi f]b['K ccXg 'UffYghž'gdUf_]b[Ub']bhYfbU`'fYj]Yk 'hc'UXXfYgg'dchYbh]U`'dc`]Wm'j]c`Uh]cbg"'H\Y ZcchU[Yž'k \]W\'fYj YU`g'a i `h]d`Y'cZZ]WYfg'\c`X]b['K ccXg'Xck b'cbh\Y'[fci bXž'\Ug']bWjhYX'Wf]h]WU`'Wcbj YfgUh]cbg'UVci h'h\Y XYdUfha Ybh g'dfUWh]WYgž'dUfh]W'`Uf`m']b''][\h'cZ'fYWYbh'Yj Ybhg']bh\Y'Wjhm'k \YfY'fUW]U``hYbg]cbg'Z'UfYX'UZhYf'U'fUW]U``m'a ch]j UhYX g\cch]b['WU]a YX'h\fYY'`]j Yg"

<Uffm:8 Ub]Y`gž'K ccXg 'UhhcfbYmž'YI dfYggYX'[fUj Y`WcbWYfb`Zcf`\]g
W]Ybh g`gUZYhmž'bch]b['h\Uh`K ccXg`k Ug`\cgd]hU`]nYX`Zcf`U`gYj YfY
WcbW' gg]cb`Zc``ck]b['h\Y']bW]XYbh"' < Y g``i W_m`hc`VY`U`]j Yž
8 Ub]Y`g`ghUhYXži bXYfgWcf]b['h\Y'd\mg]WU``hc```cZ'h\Y'YbWci bhYf"
H\]g`]bW]XYbhž'cWW' ff]b['^i gh`k YY_g`UZhYf`h\Y'fUW]U``m`a ch]j UhYX
g\cch]b['ž`UXXg`Ubch\Yf``UmYf`cZ'Wca d`YI]hm`hc`h\Y'cb[c]b[
X]U`c[i Y`gi ffci bX]b['dc`]WY`WcbXi Wh`]b`*JW_gcbj]``Y'': cl'')
Cf`UbXc'\][\`][\hg`h\Y`i f[YbWm`Zcf`h\Y'*GC`hc`UXXfYgg`h\YgY
]ggi Yg`\YUX!cb`Ug`Wca a i b]hm`a Ya VYfg`gYY_'UVWci bhUV]`]hm`UbX
^i qh]WY"</pre>

6fcUXYf'7cbhYlh'UbX'7ca a i b]hm'FYgdcbgY

 $H \ Y \ cb[c]b[\ gWfi\ h]bm ZUWY X \ Vm \ cWU \ Yb ZcfW a \ Ybh Xcj YhU] \ g k \]h \]bg][\ hg g \ UfYX \ Vm H \ Y \ Dc \]WY \ GWc f Y WUfX \ k \]WX \ Yj \ U'i \ UhYg \ dc \]W]b[\ dfUWh]WY g \ bUh]cbk \]XY \ H \ Y]f \ Yj \ U'i \ Uh]cb \ g \ YXg \][\ h \ cb \ j \ Uf]ci \ g \ Wf]h]WU \]ggi \ Yg \ dUfh]W \ Uf \ h \ Y \ bYYX \ Zcf \]a \ dfcj \ YX \ UWWc i \ bhUV] \]hm a \ YWX \ Ub]ga \ g \ k \]h \]b \ dc \]WY \ XYd \ Ufha \ Ybhg \ H \ Y \ GWc f Y WUfX \ g \ Z]b \]b \ [g \ bch Y \ h \ Uh \ W]h] \ Yg \ ghfi \ [\ [\]b[\ k \]h \ \][\ \ f \ Uh \ g \ g \ Z]b \]b \ [\ Y \ Uh \ Uh \ yg \ h \ yg \ Y \ Uh \ Uh \ yg \ Yg \ H \]g \ Wc a \ df Y \ Ybg]j \ Y \ Ub \ Umg]g \ dfcj \]X \ Yg \ Ub \ Ygg \ bh]U \ V \ UW \ Xfc \ dz \ [\]j \]b \ [\ Wh]h \ Ybg \ Y \ Uh \ Uh \ Yg \ h \ Yh \ yg \ Yg \ Uh \ Um \ H \ Y \ Dc \]WY \ G \ Wc \ f Y \ WUfX \ c \ Vg \ f j \ Yg \ h \ Uh \ UX \ Yfg \]b \ h \ Yg \ Wc \ Wh]j \ Y \ UX j \ c \ WU \ m \ Ub \ Wc \ Ybg \ Uh \ X]b \ [\ f \ Yg \ Uh$

5g'h\YgY']bW]XYbhg'i bZc`Xž'h\Y'Wca a i b]hm'ghUbXg'Uh'U
WfcggfcUXg"' \(\delta\) g'WYUf'h\Uh'dfYgg]b[']ggi Yg'fY`UhYX'hc'gUZYhmž
\(\delta\) gh]W\(\delta\) UWWci bhUV]`]hm'UfY'k cj Yb']bhc'h\Y'ZUVf]WcZ'Yj YfmXUm
\(\delta\) z']b': \(\cert{cf}\) XU"'H\Y'X]gW' gg]cbg'][b]hYX'Vm'h\YgY'Yj Ybhg'UfY
\[\gamma\] a dYfUh]j Y/h\Ym'gYfj Y'Ug'U'hYghUa Ybh'hc'h\Y'Wca a i b]hm g
\[\frac{f}{Yg}\] \(\delta\) Ybh'bYYX'Zcf'W\Ub[Y"'K\Yh\Yf'h\fci [\'Y][U`\UWh]cbg\) Wca a i b]hm'ci hfYUW\\\delta\) cf'dc`]Wm'fYZcfa \(\delta\) h\Y'dUh\'Zcfk UfX
\[\VY[]\bg'k]h\'Uk\UfYbYgg'UbX'fYgdcbg]V]`]hm''

8 YhU]`g	
Cfh	6fck UfX 7ci bhmž: `cf]XUž'l G5
EiY``Yb	• kkk"igUhcXUm"Wca
	• k k k "Zcl') cf`UbXc"Wca
	dc`]WYgWcfYWUfX"cf[

6 Ygi W Yb G | Y i bg Ui Z a Y | b ! k | Yb "b Yh