A]Ua]/ [\$' - /g GYUZccX : Ygh]j U`. 5 7i `]bUfm 7Y YVfUh]cb Mci 7Ub/ [\$' - /h A]gg°

9| d`cfY`A]Ua]!8UXY`7cibhm⁄ [\$' - /g`Gcih\`6YUW\`GYUZccX :Ygh]j U`ž`CWhcVYf`&&!&) ž`&\$&) ž`\][\`][\\][\`CWU``W\YZg`UbX VYbYZ]h]b[`mcih\`dfc[fUag"



A]Ua]žI G5 !! H\Y j]VfUbh'Uha cgd\YfY'cZA]Ua]']g'gYh'hc'g]nn`Y h\]g'C WhcVYf'Ug'h\Y'%' h\`5bbi U``Gci h\`6YUW\`GYUZccX': Ygh]j U` fYhi fbg'Zfca `C WhcVYf'&&!&) ž'&\$&) "'H\]g'W'`]bUfm'YI hfUj U[UbnU']g bch'f gh'U'ZYUgh'Zcf'h\Y'gYbgYgž'Vi h'U'WY`YVfUh]cb'cZ'Gci h\ :`cf]XU g'W'`]bUfm'dfck Yggž'ZYUhi f]b['gca Y'cZ'h\Y'fY[]cb g'a cgh hU`YbhYX'W\YZg'UbX'W'`]bUfm'YI dYfhg"' =h g'bc'k cbXYf'h\Uh'h\Y Yj Ybh']g'fYWc[b]nYX'Ug'cbY'cZ'h\Y'hcd'gdYW]U`hm'ZYgh]j U`g']b'h\Y bUh]cb'Vm'I G5'HC85M'UbX'\Ug'VYYb'`]ghYX'Vm': cfVYg'Ug'U'a i gh! Xc']b'h\Y'ZU``"

 $5g^{h}Y^{2}y_{h} = 0$

ghcbY'WfUV'gYUgcbž'UhhYbXYYg'WUb'YI dYWh'bch\]b['g\cfh'cZ YI WY``YbWY''K]h\'h\Y'\Y`d'cZ'7=A UbU[Ya Ybh'UbX'j Uf]ci g dUfhbYfgž']bWi X]b['6fYU_h\fi'6Yj YfU[Yž'h\Y'ZYgh]j U``]g'dc]gYX'hc UhhfUWh'cj Yf'%) ž\$\$\$`gYUZccX``cj Yfg''H\Y'a U]b'Yj Ybh'cb'GUhi fXUm k]``gdfYUX'cj Yf'Zci f'Vi gh`]b['V`cW_gž'k]h\'dcd!i d'WUZYg g\ck WUg]b['h\Y'W'`]bUfm'XY`][\hg'cZ'hcd'A]Ua]'fYghUi fUbhg'' DUfh]W]dUbhg'&%'UbX'cj Yf'WUb'dUfhU_Y']b'cj Yf'' \$'Wca d`]a YbhUfm cdYb'VUfgž']bXi`[Y']b'W'`]bUfm'XYa cbghfUh]cbgž'Yb'cm``]j Y'a i g]Wž UbX'Yj Yb'dUfh]W]dUhY']b'[Ua Yg''

7i`]bUfm`<][\`][\hg

H\Y'ZYgh]j U`gʻgW\YXi`Y']gʻdUW_YX'k]h\'XY`YWhUV`Y'Yj YbhgʻYUX]b[i d`hc`h\Y`a U]b`WY`YVfUh]cb"`Cb`K YXbYgXUmž'UhhYbXYYg`WUb`Yb´cm 5b`9j Yb]b[`Uh`∞Y gž 'ZYUhi f]b[`g][bUhi fY`X]g\YgʻZfca`h\Y`]Wcb]W ∞Y gʻGhcbY`7fUVž'k]h\`U``]a]h`cZ') \$`J =D`[i YghgʻZcf`Ub`]bh]a UhY YI dYf]YbWY"`H\i fgXUm`b][\h`k]```gYY`h\Y` 7fUVgʻG`UVgʻ/ 7UVgž 'U gcd\]gh]WUhYX`Z]j Y!Wci fgY`X]bbYf`\cghYX`Uh`@cYk g`A]Ua]`6YUW\" A YUbk \]`Yž`: f]XUm`b][\h`k]```][b]hY`Wca dYh]h]cb`]b`h\Y` J =D`7\YZ G\ck Xck bž `k \YfY`&\$`W\YZg`k]```VUhh`Y`]h`ci hž`UbX`ZYgh]j U`![cYfg k]```\Uj Y`h\Y'Ybj]UV`Y`fc`Y`cZ`f X[Ygž`hUgh]b[`UbX`j ch]b[`Zcf`h\Y]f ZUj cf]hY`X]g\Yg"

Gi WA 'U``Uj]g\ 'UZZU]f`]gb h'f gh'Zcf`]bXi `[YbWY/`]h'\Ug'U'\YUfh''H\Y dfcWYYXg'Zfca 'h\Y'ZYgh]j U``VYbYZ]h'h\Y'7 =: ci bXUh]cb g'95H GA 5FH'dfc[fUa ž'k \]WA 'h]fY`Ygg`m'k cf_g'hc'dfcj]XY'\YU`h\m'a YU`g UbX'bi hf]h]cbU``YXi WUh]cb'hc'mci h\`]b'A]Ua]'8UXY'7ci bhm'di V`]W gWA cc`g"'H\]g'Wca a]ha Ybh'hc'ZcghYf]b[`\YU`h\m'YUh]b[`\UV]hg Ua cb[`WA]`XfYb'i bXYfgWcfYg'h\Y'ZYgh]j U`g'XYX]WUh]cb'hc'h\Y Wca a i b]hm']h'gYfj Yg"

5⁷YYVfUh]cb^cZ⁷ca a i b]hm[·]UbX⁷i]g]bY

H\Y'Gci h\`6YUW\`GYUZccX`:Ygh]j U``]gʻbch'f ghʻUVci hʻZccX']hgʻU [Uh\Yf]b[`cZ'dYcd`Y`i b]hYX'Vm`h\Y]f``cj Y'Zcf`gYUZccX'UbX Wca a i b]hm"'K]h\`]hgʻWUgi U``j]VY'UbX'Ya d\Ug]gʻcb``cWU``ZUj cfgž h\Y'ZYgh]j U``UhhfUWhgʻVch\``cWU`gʻUbX'hci f]ghgʻ`cc_]b[`Zcf`U a Ya cfUV`Y'YI dYf]YbWY'i bXYf`h\Y'A]Ua]`gi b"`8cb h'a]ggʻci hʻcb k \Uh[·]6cWU[·]A U[Un]bY[·]WU[·]g[·]h\Y[·]VYgh[·]gYUZccX[·]ZYgh]j U^{··}]b[·]h\Y[·]I "G" A Uf_[·]mci f[·]WU[·]YbXUfg[·]Zcf[·]C WhcVYfž[·]UbX[·]a U_Y[·]U[·]d[·]Ub[·]hc[·]X]j Y[·]]bhc[·]U k YY_YbX[·]Z]^{··}YX[·]k]h\[·]ZUj cfž[·]Zi bž[·]UbX[·]Wca a i b]hm[·]gd]f]h^{··} = h g[·]gi fY[·]hc VY[·]U[·]W[·]]bUfm[·]Yj Ybh[·]mci [·]k cb h[·]Zcf[Yh["]

8YhU]`g	
Cfh	A]Ua]žil G5
EiY``Yb	• VcWUaU["Wca
	 gcVYgYUZccXZYgh"Wca

6Ygi WXYb'G]Y'i bg'Ui Z.'a Y]b!k]Yb"bYh