

7 UfXUbc. '?i fgUbgh]Y[']b 'G]W\ h3'5bU\mgY nY][h'Vi \`]gW\ Y 'G][bU\Y'i bX 'DchYbn]U\ ni a '5i gVfi W\

7 UfXUbc 'f585Ł'\Uh']b 'XYb '`YhnhYb 'K c W.Yb 'Y]b 'Vi ``]gW.Yg
7 ca YVUW_'Yf`YVh'i bX'_ObbhY 'bi b 'Y]bY 'k Y]hYfY '9hUddY 'bUW.
cVYb 'YffY]W.Yb" '8 Yf 'DfY]gW. Ufh'nY][h'Y]b 'Ui ZghY][YbXYg
8 fY]YW_ga i ghYfž'XUg'XUfUi Z'\]bk Y]ghž'XUgg '585'XYb
K]XYfghUbXgVYfY]W. 'nk]gW.Yb 'XYa ') \$!HU[Y!9]bZUW.Yf
[`Y]hYbXYf'8i fW.gW.b]hh'f9A5Ł'j cb 'fi bX'\$Z' 'I G8 'i bX'XYa
\$Z', &:]VcbUWW]!B]j YUi 'j cb 'fi bX'\$Z' 'N&* 'I G8
Xi fW.VfYW.Yb'_ObbhY" '\D'X]YgYa': U```_ObbhY'XYf'585!?i fg
V]g'ni a'; c`XYb'FUh]c!K]XYfghUbX'j cb 'fi bX'\$Z' + 'I G8
ghY][Yb"'8]Y 'hYW.b]gW.Yb'\D\X]_UhcfYb'XYi hYb'Ui Z'Y]bYb
a O[`]W.Yb'Vi ``]gW.Yb'HfYbX'\]b"'8 Ug' <]ghc[fUaa'XYg
Acj]b['5j YfU[Y'7cbj Yf[YbW'8]j Yf[YbW'fA578Ł'\Uh'g]W.
k]YXYf'Vi ``]gW.Ybhk]W_Y`hz'bUW.XYa'Yg'ni j cf'Y]b][Y'HU[Y
`Ub['VAf]gW.'k Uf"'8 Ug' Uad∧Y``]d/

8]Y 'hYWX b]gWX Yb '±bX]_UhcfYb 'XYi hYb 'Ui Z'Y]bYb 'a Ò[`]WX Yb Vi ``]gWX Yb 'HfYbX '\]b" '8 Ug' <]ghc[fUa a 'XYg'A cj]b['5j YfU[Y 7 cbj Yf[YbWY '8]j Yf[YbWY 'fA 578 Ł'\Uh'g]WX 'k]YXYf 'Vi ``]gWX Ybhk]W_Y `hz'bUWX XYa 'Yg'ni j cf'Y]b][Y 'HU[Y ``Ub['VÀf]gWX 'k Uf" '8 Ug

A 578!@b]Yb_fYi n'nY][h'YVYbZU``g'Y]bYb'Vi ``]gWXYb'HfYbX'Ubž k À\fYbX'XYf'FY`Uh]j Y'GhfYb[h\'=bXYI 'fFG±'bYi hfU`'V`Y]Vh" 5``YfX]b[g'VYZ]bXYb'g]WX'X]Y'9A 5g']a a Yf'bcWX']b'Y]bYa '8YUh\ 7fcgg']a 'HU[YgWXUfhž'k Ug'Ui Z'Y]bYb'_i fn!'V]g'a]hhY`Zf]gh][VÀf]gWXYb'HfYbX'\]bXYi hYh"

 $= a \cdot (!Ghi bXYb!7 \setminus Ufhi]ghYVYbZU``g'Y]b'8YUh \setminus 7fcgg'XYf'9A 5g'ni VYcVUW hYbZ'XcW Yg'_ObbhY'g]W \cdot]b'bU \setminus Yf'Ni_i bZhY]b'; c`XYb 7fcggcj Yf'V]`XYbZ'k Ug'Ui Z'Y]bYb'_i fnZf]gh][Yb'Vi ``]gW Yb'HfYbX \]bXYi hYb'k ØfXY''8Ug'<]ghc[fUa a 'XYg'A 578g'ghY][h'YVYbZU``g Vi ``]gW 'Ub'i bX'X]Y'A 578!@]b]Yb'g]bX'Vi ``]gW 'ØVYf_fYi nhZ k À\fYbX'XYf'FG=g]W ']b'bYi hfU`Ya '; YV]Yh'VYZ]bXYh'''Gc``hY'XYf 585!?i fg'bUW i bhYb'_cff][]YfYbZ'`]Y[Yb'X]Y'bÀW ghYb g][b]Z]_UbhYb':]VcbUWW]!I bhYfghØhni b[Yb'VY]'fi bX'$Z&+&) 'I G8 i bX'$Z&) 'I G8''$

a 'K cW\YbW\Ufh'[]Vh'Yg'<]bk Y]gY'Ui Z'Y]bY': cfhgYhni b['XYg5i Zk ÀfhghfYbXg'j cb'585"'8Ug'<]ghc[fUa a 'XYg'A 578g'nY][h Y]bYb'YfbYi hYb'Vi ``]gW\Yb'5bgh]Y['gY]h``YhnhYf'K cW\Yž'k Ug'XUfUi Z\]bXYi hYhž'XUgg'g]W\'X]Y'A 578!@]b]Yb'VU`X'Vi ``]gW\'ØVYf_fYi nYb_\ObbhYb''5``YfX]b[g'`]Y[h']a a Yf'bcW\'Y]b'8YUh\'7fcgg']a K cW\YbW\Ufh'j cfž'k Ug'Ui Z'Y]bYb'a]hhY`Zf]gh]['VÀf]gW\Yb'HfYbX\]bK Y]gh''I a 'Y]bY'Vi ``]gW\Y'HfYbXk YbXY'ni 'YffY]W\Ybž'a i gg'XYf7UfXUbc!?i fg'ni bÀW\gh'XYb'; c`XYb'FUh]c!K]XYfghUbX'VY]'fi bX\$\(\frac{z}{z}\)() 'I G8'\@VYfk]bXYbž'Ub'XYa 'Yf'j cf'Y]b][Yb'K cW\Yb[YgW\Y]hYfh']gh''

8 Yf'A cbUhgWk Ufh'nY][h'Y]bY'ghUf_Y'5i Zk ÀfhgVYk Y[ib[']a <]ghc[fUa a 'XYg'A 578g'i bX'X]Y'A Ò[`]Wk_Y]hž'XUgg'g]Wk'X]Y'A 578! @]b]Yb'VU`X'Vi``]gWk'ØVYf_fYi nYb'_ObbhYb"'9]b'k Y]hYfYf K]XYfghUbX'k UfhYh']b'XYf'BÀ\Y'XYf'; c`XYb'FUh]c'VY]'fi bX'\$ž()) I G8 ž'XYf'a]h'XYa') \$!A cbUhg!9A 5'j YfVi bXYb']gh"'9]b'8i fWkVfi Wk X]YgYg'K]XYfghUbXg'k ÀfY'Ài » Yfgh'Vi``]gWk'ZØf'585"

 $\begin{tabular}{ll} Ua \begin{tabular}{ll} $: HU[Y!9A5VY]$ fi bX $$$$$$$$$ + `6H7" `8]Y `hY W b]gW Y b $$ $$$]_UhcfY b `XYi hY b `XUfUi Z`\]b \bar{z} XUgg `XYf `585!? i fg `[Y[YbØVYf 6H7 `k Y]hY f\]b `Vi ``]g\ `]gh\bar{z} XU `XUg `<]ghc[fUa a `XYg `A578g `k]Y XYf Vi ``]gW `ghY][h\bar{z} X]Y `A578!@b]Y b `Vi ``]gW `ØVYf_fYi nh `g]b X `i b X `XYf FG=]b `XYb `b Yi hfU `Yb `6YfY]W `ni fØW_[Y_Y\fh `]gh" $$$

Hfchn'Y]b][Yf'VÀf]gWXYf'G][bU`Y']b'XYb'9A 5g'i bX'`Ub[Zf]gh][Yb 7\Ufhg'gWXY]bh'7UfXUbc'f585Ł'Ui Z'XYa 'K Y['ni 'gY]bž'k Y]hYf\]b Vi ``]gWX'ni 'V`Y]VYb'i bX'a Ò[`]WXYfk Y]gY'bYi Y'<Ò\Yb'ni YffY]WXYb"'5b`Y[Yf'gc``hYb'YXcWX'k Y]hYf\]b'X]Y'hYWXb]gWXYb \div X]_UhcfYb']a '5i [Y'VY\U`hYb'i bX'Ui Z'Y]bYb'YfZc`[fY]WXYb 8i fWXVfi WX'XYg'; c`XYb'FUh]c!K]XYfghUbXg'VY]'fi bX'\$Z' +'I G8 UWXhYb"

8 YhU]`g

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. '_fmd hc!bYk g"Uh