

I bVY_UbbhY ghY\`Yb ? YbbnY]WX Yb]b Gcf[U. <]bk Y]gY Xf]b[YbX [Ygi WX h</pre>

8]Y'5i gk]f_i b[Yb'j cb ?YbbnY]WXYbX]YVghU\``Ui Z'X]Y'; Ya Y]bgWXUZh

< YfgZY`X!FchYbVif[fchgŁ

± XYf'_`Y]bYb'; Ya Y]bXY'Gcf[U'k i fXY'Ua '&) "'⇒ `]'Y]b'JcfZU``
j YfnY]W\bYhž'XYf'b]W\h'bi f'XUg'9][Ybhi a 'Y]bYg'6Øf[Yfg'VYhfUZž
gcbXYfb'Ui W\X]Y'G]W\Yf\Y]h'i bX'XUg'JYfhfUi Yb'XYf'5bk c\bYf']b
]\fY'; Ya Y]bgW\UZh']b': fU[Y'ghY``h''I bVY_UbbhY'HÀhYf'ghU\`Yb'XUg
j cfXYfY'Ua h`]W\Y'?YbbnY]W\Yb'< 9: !8G'(\$('j cb'Y]bYa 'g]`VYfbYb
CdY``A Yf]j Už'k À\fYbX'XUg': U\fnYi [']a '6ca a \i hgk Y['[YdUf_h
k Uf"'8Yf'8]YVghU\`YfY][bYhY'g]W\nk]gW\Yb'%\$'I \f'i bX'%\$"')
I \fž'i bX'À\b`]W\Yb'JcfZÀ``Yb'_ObbhY'Xi fW\'gc`W\'g_fi dY'`cgYg
JYf\U`hYb'JcfgW\i V'[Y`Y]ghYh'k YfXYb"

$G]WXYfY]hgVYXYb_Yb'ibX']Y': c`[Yb$

 $Gc`WXY`8]YVghÀ\`Y`g]bX`b]WX h`bi f`Àf[Yf`]WX`ZØf`X]Y`VYhfcZZYbYb: U\fnYi [VYg]hnYfž`gcbXYfb`g]Y`\UVYb`Ui WX`k Y]hfY]WXYbXY?cbgYei YbnYb`ZØf`X]Y`[YgUa hY`; Ya Y]bgWXUZh"`8Yf`JYf`i gh`Y]bYg?YbbnY]WXYbg`_Ubb`XUni `ZØ\fYbž`XUgg`X]Y`5i hcZU\fYfjYfi bg]WXYfh`k YfXYb`i bX`]\f`: U\fnYi [`b]WXh`a Y\f`]a \OZZYbh`]WXYb`FUi a `UVghY``Yb`a \OWXhYb"`8]YgY`I bg]WXYf\Y]h`_\ObbhYni `Y]bYf`5VbU\a Y`XYf`gcn]U`Yb`\DhYfU_h]cb`]a `J]YfhY``ZØ\fYbž`XU$

k Yb][Yf'A YbgW\Yb'VYfY]h'g]bXž']\fY'5i hcg'Xcfh'UVni ghY``Ybž'k c g]Y'g]W\'b]W\h'k c\`ZØ\`Yb"

8 | Y · F c ` ` Y · X Y f · D c `] n Y]

8]Y'Dc`]nY]'VY[fØ» h'<]bk Y]gY'ni 'X]YgYa 'J cfZU``'i bX'Yfa i h][h'X]Y 6Yj Ò`_Yfi b[ž'U_h]j 'ni 'V`Y]VYb"'8]Y'Dc`]nY]ghUh]cb'6UX'<YfgZY`X']gh hY`YZcb]gW\'i bhYf`\$**&%#'&!\$'YffY]W\VUfž'i bX'Ui W\'Ui Z'XYf Cb`]bYk UW\Y'_Ubb'YXYf'j YfXÀW\h][Y'J cfZU``'[Ya Y`XYh'k YfXYb" 9g']gh'k]W\h][ž'XUgg'X]Y'; Ya Y]bgW\UZh'ni gUa a YbUfVY]hYhž'i a 'XUg G]W\Yf\Y]hg[YZØ\``ni 'ghÀf_Yb'i bX'À\b`]W\Y'J cfZÀ``Y'ni j Yf\]bXYfb"'8]Y'U_h]j Y'A]h[YghU'hi b['XYf'6Yj Ò`_Yfi b['_Ubb YbhgW\Y]XYbX'gY]bž'i a 'X]Y'?f]a]bU`]hÀhY]bni XÀa a Yb"

$K] Y ^Y X Y f ^Y X Y f ^Y Z Y b ^_ U b b$

 $8]Y'6 \varnothing f[Yf'g]b X'XUni 'Ui Z[Yfi ZYbž'] Y'I a [YVi b[']a '5i [Y'ni VY VU'hYb'i b X'Ui Z'j YfXÀW h][Y'5_h]j]hÀhYb'ni 'UWXhYb'' 'B UWX VUfb gc``hYb'Y]bUb XYf'i bhYfghØhnYb'i b X'VY]'Dfc V`Ya Yb'XYb'? cbhU_h ni f'Dc`]nY]'gi WXYb''' <math>\pm b$ Zcfa]YfYb'G]Y'g]WX'\ØVYf G]WXYf\Y]hga U» bU\a Yb'\Z\Øf'\Rightarrow f': U\fnYi [ž'i a 'gc`\WXY'\J cfZ\A``Y'ni j Yfa Y]XYb'c XYf'ni a]b XYgh'ni 'Yfg\WX K YfYb'''; Ya Y]bg\Ua '_Ubb'\X]Y ; Ya Y]bg\WX \UZ\Yb''

: Un]h

8 Yf?? YbbnY]WX YbX]Y VghU\``]b`Gcf[U`]gh'b]WX h'bi f'Y]b`]bX]j]Xi Y``Yg DfcV`Ya ž'gcbXYfb'k]fZh'Ui WX 'Y]b`@]WX h'Ui Z'[fÒ» YfY G]WX Yf\Y]hgZfU[Yb']b`XYf'; Ya Y]bXY"'9g``]Y[h'Ub'U``Ybž'X]Y 6fi hU`]hÀh'gc`WX Yf'HUhYb'UVni `Y\bYb'i bX'ZØf'Y]b`g]WX YfYg K c\bi a ZY`X'ni 'gcf[Yb"'8]Y'Ni gUa a YbUfVY]h'nk]gWX Yb'XYf Dc`]nY]'i bX'XYf'6Yj Ò`_Yfi b['_Ubb'YbhgWXY]XYbX'gY]bž'i a 'X]Y G]WX Yf\Y]h']b'Gcf[U'ni '[Yk À\f`Y]ghYb'i bX'ni _ØbZh][Y'JcfZÀ``Y'ni j Yf\]bXYfb"

B 5;

8 YhU]`g

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'X]Y!bUWX f]WX hYb "b Yh