

=79!DUbbY'VY]'? O`b. '&' \$ FY]gYbXY a i gghYb 'ØVYf') 'Ghi bXYb 'k UfhYb °



A Ø`\Y]a ž'8 Yi hgW\`UbX'!'9]b'i bd`Uba À»][Yg'5VYbhYi Yf
Yf'YVhYb'Ua 'A cbhU[a cf[Yb'fi bX'&' \$'FY]gYbXY']b'Y]bYa '=79'XYf
8 Yi hgW\Yb'6U\bž'U`g'XYf'Ni ['Ui Z'gY]bYf'GhfYW_Y'j cb'8 cfha i bX
bUW\'A ØbW\Yb'VY]'?Ò'b!A Ø`\Y]a 'Ui Z[fi bX'Y]bYg'@c_gW\UXYbg
ni a 'Gh]``ghUbX'_Ua "'8Yf'J cfZU```YfY][bYhY'g]W\'[Y[Yb', .' \$'I \fž
bUW\XYa 'XYf'Ni ['[Y[Yb'Y]bYb'gW\k YfYb'5gh'Ui Z'XYb'GW\]YbYb
[YZU\fYb'k Uf"'\dangle XYf': c`[Y'a i gghYb'X]Y': U\f[AghY'ØVYf'ZØbZ
Ghi bXYb']b'XYa 'XYZY_hYb'Ni ['Ui g\UffYbž'k Ug
j YfghAbX`]W\Yfk Y]gY'ni 'Yf\YV`]W\Ya 'I ba i h'ZØ\fhY''8]Y'Dc`]nY]
k i fXY'_i fnZf]gh]['XUni '[Yfi ZYbž'i a 'X]Y'G]hi Uh]cb'j cf'C fh'ni
_`AfYbž'k]Y'FUX]c'9fZh'VYf]W\hYh''

 $8]Y ; f\emptysetbXY \cdot Z\emptysetf \cdot X]Y \cdot ``Ub[Y \cdot K UfhYnY]h \cdot k UfYb \cdot XUVY] \cdot Y \setminus Y f$ $i b[`\emptyset W_`]W \cdot "@Ui h \cdot Y]bYf \cdot GdfYW \cdot Yf]b \cdot XYf \cdot 6U \setminus b \cdot ``U[`X]Y \cdot gW \cdot YW \cdot hY$ $Ni [Ab[`]W _Y]h \cdot XYg \cdot = 79 \cdot]a : Y \cdot AbXY \cdot Ub \cdot XYf \cdot < Ui dhi fgUW \cdot Y \cdot Z\emptysetf \cdot X]Y$ $J \cdot Yfn \cdot O[Yfi b[" \cdot 9fgh \cdot b \cup W \cdot Yhk \cup " &$ \cdot A]bi hYb \cdot Xi fZhYb \cdot X]Y \cdot FY]gYbXYb$ $XYb \cdot Ni ['j Yf \cdot UggYb \cdot i bX \cdot _cbbhYb \cdot g]W \cdot j cb \cdot XYa \cdot gW \cdot cW_]YfYbXYb$ $9f \cdot YVb \cdot [g \cdot Yf \cdot c \cdot Yb"$

: $U \setminus f[UghfYWX hY'i bX'9bhgWX AX][i b[Yb]$

Gc`WX`i bYfZfYi`]WXY`JcfZÀ``Y`k YfZYb`Ui WX`X]Y`: fU[Y`bUWX : U\f[UghfYWXhYb`Ui Z'`K Yf'j cb``Àb[YfYb`JYfgdÀhi b[Yb`cXYf'[Uf5i gZÀ``Yb`VYhfcZZYb`]ghž`\Uh`]b`XYf`FY[Y``5bgdfi WX`Ui Z9bhgWXÀX][i b["BUWX`VU\b"XY`_ÒbbYb`: U\f[ÀghY`VY]`Y]bYfJYfgdÀhi b['j cb`a Y\f`U`g`*\$`A]bi hYb`&)`i `XYg`H]W_YhdfY]gYgni fØW_ZcfXYfbži bX`VY]`a Y\f`U`g`%&\$`A]bi hYb`gc[Uf')\$`i "`KYf[Uf`gY]bY`FY]gY`UVVfYWXYb`a i gghYž`_Ubb`YVYbZU``g`X]Y`9fghUhhi b[XYg`H]W_Yhg`]a `FY]gYnYbhfi a `VYUbhfU[Yb"

Ni gÀhn`]W\ []Vh'Yg'FY[Y`i b[Yb'ZØf']bhYfbUh]cbU`Y'FY]gYb'i bX gdYn]Y``Y'DÀggY'k]Y'XYb'; Yfa Ub'FU]`'DUgg"'5i W\ '\]Yf'[Y`hYb À\b`]W\Y'6YX]b[i b[Yb.'6Y]'Y]bYf'J YfgdÀhi b['UV'*\$'A]bi hYb _\ObbYb'9bhgW\\AX][i b[Yb'j cb'V]g'ni '&\) 'i 'XYg'DUggdfY]gYg [Y`hYbX'[Ya UW\h'k YfXYb"'9]b'k Y]hYfYf'k]W\\h][Yf'Di b_h']ghž'XUgg 5bhf\(A[Y'Ui Z'9bhgW\\AX][i b[']b'XYf'FY[Y`']bbYf\U`V'j cb'XfY] A cbUhYb'bUW\ XYa 'JcfZU``Y]b[YfY]W\\h'k YfXYb'a ØggYbž'k]Y' Hf]d"Wca 'Ui gZØ\f`]W\ 'VYgW\\fY]Vh"

I bUbbY\a `]WX_Y]hYb VY]'J YfgdÀhi b[Yb

8]Y'i bUb[YbY\a Yb'l a ghÀbXYŽ'X]Y'Ui Z[fi bX'j cb
Ni [j YfgdÀhi b[Yb'cXYf'!Ui gZÀ``Yb'YbhghY\Yb'_ObbYbž'g]bX'b]W\h
ni 'i bhYfgW\AhnYbž']bgVYgcbXYfY'VY]'`Ab[YfYb'FY]gYb"'DUggU[]YfY
gc``hYb'g]W\']\fYf'FYW\hY'VYk i ggh'gY]bž'i a ']a ': U```XYf': À``Y'[i h
[YfØghYh'ni 'gY]b"'6Y]'Y]bYf'J YfgdÀhi b['j cb'&\$'A]bi hYb'_ObbYb
FY]gYbXY']\fY'D`AbY'ZYI]VY``i a [YghU`hYbž'XU'X]Y'Ni [V]bXi b[
k Y[ZÀ``h"

 $: \emptyset f`U``Y`6YhfcZZYbYb`X]YgYg`JcfZU``g`V`Y]Vh`ni ``\cZZYbž`XUgg$

 $XYfUfh][Y'G]hi Uh]cbYb']b'Ni _i bZh'gY`hYbYf'Ui ZhfYhYb'''6]g'XU\]b']gh Yg'fUhgUa ž'g]W\'[i h'ØVYf': U\f[UghfYW\hY'ni ']bZcfa]YfYbž'i a ']a BchZU```XUg'f]W\h][Y'<\AbXW\Yb'ni '\UVYb'i bX'X]Y'VYgha <math>O[`]W\Y$ 9bhgW\\AX][i b['ni 'Yf\U`hYb''

8 YhU]`g	
Cfh	AØ`\Y]až'8YihgW\`UbX
EiY``Yb	• k k k "fUX]cYfZh"XY
	• k k k "VU\b"XY
	XY"hf]d"Wca

6Ygi WXYb G]Y i bg Ui Z. a Y]b!_cY`b"bYh