

GhYUa di b_!: Ygh']b'7\Ya b]hn. A U[]gWXY NY]hfY]gY']bg'=bXi ghf]YnY]hU`hYf°

9f`YVYb`G]Y`XUg`GhYUa di b_!: Ygh`]a '⇒Xi ghf]Ya i gYi a 7\Ya b]hn`Ua '&-"'⇒ b]`&\$&) 'a]h'_i bhYfVi bhYb`5hhfU_h]cbYb i bX`Y]bn][Ufh][Yb`J]q]cbYb"



⇒ Xi ghf]Ya i gYi a '7\Ya b]hnž'7\Ya b]hnž'8Yi hgW\`UbX'!

< Yi hY']gh'Y]b'[Ubn'VYgcbXYfYf'HU['ZØf'U``Y': fYi bXY'XYg

GhYUa di b_g'* ⇒ '7\Ya b]hn'\Uh'XUg'ZØbZhY'GhYUa di b_!: Ygh']a '

⇒ Xi ghf]Ya i gYi a 'gY]bY'DZcfhYb'[YÒZZbYh'''Jcb'%\$.\$\$'V]g'%, .\$\$

I\f'_ÒbbYb'6Ygi W\Yf']b'Y]bY'ZUgn]b]YfYbXY'K Y`h'Y]bhUi W\Ybž'X]Y

j cb'j]_hcf]Ub]gW\Ya 'Gh]`ž'd\UbhUg]Yj c``Yb'?cghØa Yb'i bX

i b[Yk Ò\b`]W\Yb'9fZ]bXi b[Yb'[YdfÀ[h']gh''8Ug'H\Ya U'XYg': YghYg

]gh'XYf'K Yfh'XYg'GUa a Y`bg'i bX'XUg'B]W\h!K Y[k YfZYb'j cb

; Y[YbghÀbXYb''Y]b'; YXUb_Yž'XYf']b'X]YgYb'gW\bY``Yb'NY]hYb

a Y\f'6YXYi hi b['\Uh'XYbb''Y''

I bhYf'XYb'HY]`bY\a Yfb']gh'Ui W\'A]W\UY`'GW\ÒbZY`Xž'XYf']b'gY]bYf [YghfY]ZhYb'K YghYž'XYa 'Nm`]bXYf'i bX'Y]bYf'U`hYfhØa `]W\Yb

GWX i hnVf]``Y`VYfY]hg`]a `f]WXh][Yb`Ci hZ]h`ghYW_h"`9f`Vf]b[h`XUg GhYUa di b_!; YZØ\``dYfZY_h`Ui Z`XYb`Di b_hž`]bXYa `Yf`VYhcbhž`XUgg Yg`VY]`X]YgYa `: Ygh`Ui WX`XUfi a `[Y\hž`]b`UbXYfY`@ÀbXYf`i bX NY]hYb`ni `fY]gYb"; Ya Y]bgUa `a]h`gY]bYf`: fUi `? Uf`U`[Yb]Y» h`Yf X]Y`Vi bhY`5ha cgd\ÀfY`i bX`X]Y`_fYUh]j Yb`9I dcbUhYž`X]Y`b]WXh`bi f hYi Yf`k]f_Ybž`gcbXYfb`cZh`Ui WX`gdUbbYbXY`; YgWX]WXhYb YfnÀ\`Yb"

J]Y`ZÀ`h][Yg'Dfc[fUa a i bX'< Ò\Ydi b_hY

8 Ugʻ9j Ybhʻ]ghʻa Y\fʻUʻgʻbi fʻY]bYʻ5i gghY``i b[ʻʻʻYgʻ]ghʻXYfʻ5i ZhU_h
ni ʻY]bYa ʻCdYbʻ5]fžʻXUgʻV]gʻ9bXYʻ5i [i ghʻj YfgWk]YXYbY

J YfUbghUʻhi b[Ybʻ]a ʻ=bXi ghf]Ya i gYi a ʻ7\Ya b]hnʻV]YhYhʻ'ʻ9]bY
[fc» Yʻ6Ø\bYʻk]fXʻYfgha UʻgʻUi ZʻXYfʻ; fØbUb`U[YʻXYgʻA i gYi a g
Ui Z[YVUi hžʻk cʻ6UbXgʻk]YʻCZZʻ@]a]hgʻUi ZhfYhYbʻi bXʻgc[Uf
8]X[Yf]Xccʻgd]Y`Ybʻ'Ni ʻXYbʻ<Ò\Ydi b_hYbʻXYgʻ: YghYgʻnÀ\`hʻXUg
VY`]YVhYʻ HYU!Dch!FUWY žʻVY]ʻXYa ʻHYY_UbbYbʻUi Z
ZYfb[YghYi YfhYbʻ: U\fnYi [YbʻXi fWkʻY]bYbʻDUfWci fgʻVYk Y[Ybʻ'9]b
k Y]hYfYfʻUi »Yf[Yk Ò\b`]WkYfʻ5bV`]W_ʻ]ghʻX]YʻGhYUa di b_!FU_YhYž
X]Yʻg]WkʻXi fWkʻXUgʻ; Y`ÀbXYʻVYk Y[h''

8]Y 'hc ``Y 'Gh]a a i b['k]fX 'Yf[Àbnh'Xi fWX 'Y]b 'Vi bh'[Ya]gWX hYg Dfc[fUa a . 'J cb 'A i g]_ 'i bX 'H\YUhYf'ØVYf'HUbn'i bX'; Ui _Y`Y]'V]g \]b 'ni 'A]ha UWX Ub[YVchYb '\]Yf']gh 'ZØf' 'YXYb 'Yhk Ug'XUVY]" 8Yf ; Ui _`Yf': f]YXf]WX 'i bX 'X]Y '9Ugh 8Ub WY '7 ca dUbm'gcf[Yb VY]gd]Y`gk Y]gY 'ZØf' I bhYf\U`hi b[ž'k À\fYbX 'X]Y '? ca]_Yf[fi ddY C\'5`hYf'?bUVYb' < Yff`]WX_Y]h 'XUg'Di V`]_i a 'ni a '@UWXYb'Vf]b[h" I a '%\$.\$\$'I \f'YfÒZZbYb' H\Y' < ch'G\chg 'XUg': Yghž'i bX'XUg Dfc[fUa a '[Y\h'a i bhYf'V]g']b'XYb'BUWXa]hhU["

9]b: YghZØfX]Y[UbnY: Ua]`]Y

8 UgʻGhYUa di b_!: Yghʻ]a ' \Rightarrow b Xi ghf]Ya i gYi a '7\Ya b]hn'n]Y`h XUfUi ZʻUVž: Ua]`]YbʻUbni gdfYW\Ybʻi bXʻ]\bYbʻY]bYʻj]Y`gY]h][Y 9fZU\fi b['ni 'V]YhYb''K À\fYbXʻX]Yʻ?]bXYfʻ]bʻXYfʻVi bhYbʻK Y`hʻXYf GhYUa di b_!?i `hi fʻgd]Y`Ybžʻ_ÒbbYbʻX]Yʻ9`hYfbʻX]Yʻ_Øbgh`Yf]gW\Yb i bX`\UbXk Yf_`]W\Ybʻ: À\][_Y]hYbʻXYfʻ5i gghY``YfʻVYk i bXYfb''8 Ug 5i » Yb[Y`ÀbXYʻghY\h'ZØfʻY]bYbʻZfY]YbʻNi hf]hh'c ZZYbž'Xc W\`XYf

9]bhf]hh ni a '∍bYbVYfY]W XYg AigYi a g']gh YfZcfXYf`]W "

8 Yf'_ca a YbXY'GUa ghU[ž'XYf'("'\$\infty')b[h'a]h'XYa '; Ughgd]Y`
XYg'A i g]_!? UVUfYhhg' NÀfh`]W_Y]hYb'a]h': fYi bXYb 'Y]b'k Y]hYfYg
<][\`][\h']b'X]Y'FY]\Yž'[YZc`[h'] ca '9i fc6YUb'7\cWc`UhY
: Ygh]j U` 'j ca '%"'V]g'' "'5i [i gh' 'Y]b'GW\c_c`UXYba Uf_hž'XYf
, VYfnYi [i b[Yb'Ui g'[Ubn'9i fcdU'j YfY]bh''GY]Yb'G]Y'[YgdUbbh'Ui Z
X]Y'_ca a YbXYb'J YfUbghU`hi b[Yb'i bX'VYgi W\Yb'G]Y'XUg
Dfc[fUa a 'Ui Z'XYf'K YVg]hY'XYg'\delta Xi ghf]Ya i gYi a g'7\Ya b]hn
ZØf'k Y]hYfY'\delta Zcfa Uh]cbYb"

Bi hnYb'G]Y'X]YgY'; Y`Y[Yb\Y]hži a ']b'X]Y'Ui ZfY[YbXY'GhYUa di b_! K Y`h'Y]bni hUi W\Yb'i bX'[Yb]Y»Yb'G]Y'XUg'Y]bn][Ufh][Y'5a V]YbhY]a '<YfnYb'j cb'7\Ya b]hn°

8 Y hU]`g	
Cfh	±bXighf]YaigYia '7\Yab]hnž'7\Yab]hnž
	8 Yi hgWX`UbX
Ei Y``Yb	k k k "ZfY]YdfYggY"XY
	• k k k "hU[&("XY
	• k k k "]b Xi ghf]Ya i gYi a !
	WXYa b]hn"XY

6Ygi WXYb 'G]Y 'i bg 'Ui Z. 'b!U["bYh