

A mghYf]ÒgY '? Y``YfVfÀbXY ']b 'B ØfbVYf['Dc`]nY] 'Yfa]hhY`h'k Y[Yb '6fUbXgh]Zhi b['

?Y``YfVfÀbXY`]b`BØfbVYf[..Dc`]nY]`Yfa]hhY`h`kY[Yb6fUbXgh]Zhib[`bUWX`aY\fYfYb`JcfZÀ``Yb`]a`BØfbVYf[YfKyghYb" <]bkY]gY`YfVYhYb"



A i [[Yb\cZYf'GhfU» Yž'-\$(&-BØfbVYf[ž'8Yi hgWX`UbX'!5aGcbbhU[ž'XYb'%)": b]ž'gcf[hY'Y]b'?Y`YfVfUbX']a 'K YghYbBØfbVYf[g'ZØf'5i ZfY[i b["'8]Y': Yi Yfk Y\f'k i fXY'_i fn'bUWX'%*
I\f']b'X]Y'A i [[Yb\cZYf'GhfU» Y'[Yfi ZYbž'k c'XUg'HfYddYb\Ui gY]bYg'A Y\fZUa]`]Yb\Ui gYg'VYfY]hg'ghUf_j YffUi WXh'k Uf"'6Y]']\fYf5b_i bZh'ghY``hY'X]Y': Yi Yfk Y\f'ZYghž'XUgg'XYf'6fUbX\YfX']a '?Y``Yf`c_U`]g]Yfh'k YfXYb'_cbbhY'''; `ØW_`]WXYfk Y]gY'V`]YV'XUg': Yi Yf WcbhU]bYX'i bX'_cbbhY'gWXbY``UV[Y`ÒgWXh'k YfXYbž'XYbbcWXYf`]hhYb'a Y\fYfY'DYfgcbYb'`Y]WXhY'F Ui WX[Ugj Yf[]Zhi b[Yb'i bX a i gghYb'j cf'Cfh'VY\UbXY`h'k YfXYb"'@Ui h'XYa '6Yf]WXh'j cb'bcfXVUmYfb"XY'gWX`]Y»h'X]Y'?f]a]bU`dc`]nY]'Y]bYb'hYWXb]gWXYb8YZY_h'k Y]hYgh[Y\YbX'Ui g'i bX'j Yfa i hYh'Ub'X]YgYa 'Di b_h6fUbXgh]Zhi b["

8]YgYfJcfZU``]gh'b]Wkh'XYf'YfghY'gY]bYf'5fh']b'XYf'`YhnhYb'NY]h"
Fi bX'UbXYfh\U'V'K cW\Yb'ni j cf'_Ua 'Yg']b'XYf'BÀ\Y'VYfY]hg'ni
nk Y]'k Y]hYfYb'?Y``YfVfÀbXYbž'X]Y']b'XYf'; Yfhfi XghfU»Y'i bX'XYf
DYmYfghfU» Y'ghUhhZUbXYb"'5i W\']b'X]YgYb': À``Yb'k]fX
6fUbXgh]Zhi b['j Yfa i hYhž'XU'X]Y'5VghÀbXY'nk]gW\Yb'XYb'6fÀbXYb
i bX'X]Y'[Yc[fUd\]gW\Y'BÀ\Y'ZØf'JYfXUW\h'gcf[Yb"'\+b'gi a a Y\\UVYb'X]Y'`YhnhYb'JcfZÀ``Y'Y]bYb'[YgW\AhnhYb'GW\UXYb'jcb
a Y\fYfYb'NY\bhUi gYbX'9i fc'j Yfi fgUW\h''8Ug': UW_ca a]ggUf]Uh
XYf'BØfbVYf[Yf'?f]a]bU`dc`]nY]'\Uh'X]Y'9fa]hh`i b[Yb
ØVYfbca a Yb'i bX'V]hhYh'i a 'gUW\X]Yb`]W\Y'<]bk Y]gY'i bhYf'XYf
Fi Zbi a a Yf'\$-%%'&%%&!'''' ž'k]Y']bZfUb_Yb"XY'VYf]W\hYh''

GhUh]gh]_Yb'nY][Yb'U`Ufa]YfYbXY'HfYbXg

 $: \emptyset f'X]Y'U'`[Ya Y]bY'G]WXYf\Y]h']gh'Yg'k]WXh][\check{z}'XUgg'k]f'X]Y <]bhYf[f\emptysetbXY'gc`W,Yf'JcfZA``Y'j YfghY\Yb'''@Ui h'XYf'U_hi Y``Yb 6fUbXi fgUWXYbghUh]gh]_'XYg'\(\in G'\) G'f\(\omega \) G'f\(\omega \) G'f\(\omega \) UXYbJYf'\(\omega \) hi b[i bX'GWXUXYbJYf'\(\omega \) bi b[i bX'GWXYbJYf'\(\omega \) bi bY'XYf'\(\omega \) Ui dhi fgUWXYb'Z\(\omega \) f\(\omega \) Ai Z]['Y]bY'XYf'\(\omega \) i dhi fgUWXYb'Z\(\omega \) f\(\omega \) Ai Z]['Y]bY'XYf'\(\omega \) i dhi fgUWXYb'Z\(\omega \) f\(\omega \) AbXY'''5i W\(\omega \) Y'Y_hf]gWXY'8YZY_hY'hfi [Yb'a U\) [YV']WX'ni 'XYb'\\ 6fUbXbYi Yfi b[Yb'VY]''\(\omega \) A\Y\f'\(\omega \) AXYb'']b'i bX'\(\omega \) Ai XYb'\\ Bi'\(\omega \) YgYb''\(\omega \) Ai XYb'\\ Bi'\(\omega \) AY\f'\(\omega \) Ai XYb'\\ Bi'\(\omega \) AY\f'\(\omega \) A\f'\(\omega$

5_hi Y``Y`@U[Y`]a 'BØfbVYf[Yf'K YghYb

 $8]Y G]hi Uh]cb']a BØfbVYf[Yf'K YghYb'V`Y]Vh'Ub[YgdUbbhž'i bX'X]Y Dc`]nY]ii bhYfgi Wh'bi bž'cV'Y]b'Ni gUa a Yb\Ub['nk]gW\Yb'XYb 6fÅbXYb'VYghY\h''8]Y'VYhfcZZYbYb'; YVÅi XY'g]bX']b'@Ui ZbÂ\Y ni Y]bUbXYf'[Y`Y[Ybž'k Ug'X]Y'9fa]hh'i b[Yb'bcW\']bhYfYggUbhYf [YghU`hYh''K Â\fYbX'Y]b][Y'5bk c\bYf'ØVYf'5hYa VYgW\k YfXYb _`U[hYbž'[UV'Yg'[`ØW_`]W\Yfk Y]gY'_Y]bY'gW\k YfYb'J Yf`Yhni b[Yb''$

8]Y'6Øf[Yf'k YfXYb'Ui Z[Yfi ZYbž'Ui Za Yf_gUa 'ni 'gY]b'i bX j YfXÀW\h][Y'5_h]j]hÀhYb'ni 'a Y`XYb"'Bi f'gc'_ÒbbYb'k]f [Ya Y]bgUa 'XUZØf'gcf[Ybž'XUgg'i bgYfYf'BUW\VUfgW\UZh'G]W\Yf\Y]h i bX'Fi \Y'V`Y]Vh"

8 YhU]`g	
Cfh	Ai[[Yb\cZYf~GhfU»Yž~\$(&~BØfbVYf[ž
	8 Ying W.`Ub X
EiY``Yb	k k k "bcfXVUmYfb"XY
	k k k "]bZfUb_Yb"XY
	• k k k "ZYi Yfhfi hn"XY

6Ygi WXYb G]Y i bg Ui Z. bU[!VUmYfb"XY