

A chcffUXi $bZA^{Y} < cWMf]g_Ubh'i bX'hYi fYfU^g'VY]'5i hcZU\fYfb°$

A chcffUXi bZÀ``Y`]b`8Yi hgW\`UbX.`GhUh]gh]_Yb`nY][Yb`\Ò\YfY ?cghYb`i bX`JYf`Yhni b[gf]g]_Yb`ZØf`6]_Yf`]a `JYf[`Y]W\`ni 5i hcZU\fYfb"



8 Yi hg WX `Ub X '! 'A]h XYa '6Y[]bb XYf 'A chcffUXgU]gcb 'ghY][Yb X]Y NU\`Yb XYf '6]_Yf 'Ui Z'8 Yi hg WX `Ub Xg 'GhfU» Yb " @Ui h Y]b Yf 'U_hi Y ``Yb GhUh]gh]_ 'XYf F Ž J 'J Yfg] WX Yfi b[']gh X]Y 'I b ZU ``\ Ài Z][_Y]h VY]

A chcffUXZU\fYfb ']a 'J Yf[`Y] WX 'ni '5i hc ZU\fYfb 'nk Uf [Yf]b[Yfž YXc WX 'g]b X 'X]Y '? cghYb 'ZØf 'A chcffUXgUWX g WX À XYb 'g][b]Z]_Ub h \Ò\Yf" =a 'J\f '&\$&('`U[Yb 'X]Y 'Xi f WX g WX b]hh`] WX Yb '? Zn!

< UZhd Z] WX hg WX À XYb 'ZØf '5i hcg 'VY] 'Yhk U') "\$\$\$ '9i fc 'fY WX b Yb 'a ØggYb"

8] Yg 'VYXYi hYhz' XUgg 'A chcffUXi b ZA``Y 'hYi fYf 'g]b X 'U`g '5i hci b ZA``Y"

=b hYf YggUb hYfk Y]gY 'a Y`XYb 'bi f'* 'j cb '%"\$\$\$ 'A chcffUXVYg]hnYfb

Y]b Yb '< UZhd Z] WX hg WX UXYb z ']a '; Y[YbgUhn 'ni '(, 'j cb '%"\$\$\$
5i hc ZU\fYfb z X]Y 'A\b`] WX 'G WX UXYb ga Y`Xi b[Yb 'YfghUhYb"

JYf`Yhni b[gf]g]_c'i bX'l bZU``ghUh]gh]_

9]b k Y]hYfYf _f]h]gW Yf Di b_h]gh X]Y \c\Y J Yf Yhni b[g[YZU\f VY] A chcffUXi bZ\A``Yb\Z'X]Y j cf `U``Ya `Xi fW `XUg': Y\`Yb Y]bYf ?bUi hgW ncbY `VYX]b[h]gh J cf \Ai Z][Y 8 UhYb `XYg `GhUh]gh]gW Yb 6i bXYgUa hg ZØf `XUg \J\f &\&('nY)[Yb\Z'XUgg Yg `WU" &\Z') `A]``]cbYb J Yf_Y\fgi bZ\A``Y [UV\Z'k Ug Y]bYa `F \@W_[Ub['j cb '\ai ']a `J Yf[`Y]W ni a `J cf \U\f Ybhgdf]W h" I bhYf `X]YgYb `k UfYb `&\Z'\('A]``]cbYb I bZ\A``Y a]h GUW gW \AXYb\Z'gck]Y \&, - "\\$\\$I bZ\A``Y a]h J Yf \YhnhYb cXYf `HchYb\Z'k cVY] \&"+\) - `A YbgW Yb ']\f @YVYb 'j Yf `cfYb 'i bX \@VYf ' *' "\\$\\$' J Yf `Yhnh'k i fXYb"

8]Y'i a ZUggYbXY'GhfU» Ybj Yf_Y\fgi bZU``ghUh]gh]_'\Uh'XUg'N]Y`ž
ni j Yf`Àgg][Yž'X]ZZYfYbn]YfhY'i bX'U_hi Y``Y'8 UhYb'ni f

J Yf_Y\fgg]W\Yf\Y]hg`U[Y'ni '[YbYf]YfYb"'8]YgY'8 UhYb'g]bX
YggYbn]Y``ži a '[YgYhn[YVYf]gW\Y'A U» bU\a Ybž

J Yf_Y\fgYfn]Y\i b['gck]Y'GhfU» YbVUi!'i bX': U\fnYi [hYW\b]_'ni
i bhYfghØhnYb"'Ni XYa '`]YZYfh'X]Y'GhUh]gh]_'XYhU]``]YfhY

DZcfa Uh]cbYb'ØVYf'I bZÀ``Yž'6YhY]`][hYž': U\fnYi [Yž'J Yf`YhnhY'i bX
I bZU``i fgUW\Ybž'i bX'V]YhYh'XUXi fW\'Y]bY'Zi bX]YfhY'; fi bX`U[Y'ZØf
X]Y'ghUUh`]W\Y'J Yf_Y\fgdc`]h]_"

$Dc^{h}gWY = ad^{-1}UhcbYb ibXGWYYYh$

 $8]Y`[Yk cbbYbYb`9f[YVb]ggY`Ui g`XYf`I bZU``ghUh]gh]_`Yfa `O[`]WXYbb]WXh'bi f`Y]bYb`, VYfV`]W_`ØVYf`XUg`I bZU``[YgWXY\Ybž`gcbXYfb$

Ui W. 'Y]bYb'JYf[`Y]W. 'XYg'I bZU``f]g]_cg'UWfcgg'j YfgW.]YXYbYb

JYf_Y\fghfÀ[Yfb"'8]YgY' ⊕ Zcfa Uh]cbYb'g]bX'YbhgW.Y]XYbXž'i a 'X]Y

⊕ ZfUghfi _hi f'i bX'X]Y'G]W.Yf\Y]h']a 'GhfU» Ybj Yf_Y\f'_cbh]bi]Yf`]W.

ni 'j YfVYggYfb"'Gca]h'gd]Y`h'X]Y'XYhU]``]YfhY'8 UhYbUi ZVYfY]hi b[

Y]bY'nYbhfU`Y'Fc``Y']b'XYf'JYf_Y\fgg]W.Yf\Y]hgdc`]h]_

8Yi hgW.`UbXg"

Ni gUa a Yb[YZUggh:nY][h:X]Y:5bU`mgY:XYf`FŽJ'JYfg]WXYfi b[ii bXX]Y:NU\`Yb:XYg`GhUh]gh]gWXYb`6i bXYgUa hgž:XUgg`hfchn`Y]bYf [Yf]b[YfYb`I bZU``fUhY:VY]`A chcffUXZU\fYfbž:X]Y:Z]bUbn]Y``Yb c`[Yb'j cb`I bZÀ``Yb`gWXkYfk]Y[YbXYf`g]bX"`8]Yg`i bhYfghfY]WXh X]Y`BchkYbX][_Y]h`ZØf`j YfghÀf_hY JYf_Y\fgg]WXYf\Y]hga U bU\a Yb`i bX`Y]bYb`VYk i gghYb`I a [Ub[a]h`XYb`F]g]_Yb`]a `GhfU Ybj Yf_Y\f"

: Øf'k Y]hYfY' +bZcfa Uh]cbYb'ni 'X]YgYa 'H\Ya U'_ÒbbYb'G]Y'X]Y 6Yf]W\hYfghUhhi b['j cb'Vbb"XY'gck]Y'X]Y'8 UhYb'XYg' GhUh]gh]gW\Yb'6i bXYgUa hg'_cbgi `h]YfYb"

8 YhU]`g	
J c fZU``	JYf_Y\fgi bZU``
I fgUWXY	?cbhfc``Y'ØVYf'XUg'6]_Y'jYf`]YfYb
Cfh	8 Yi hgWX`UbX
J Y f`Y hnhY	' *' \$\$\$
EiY``Yb	• Vbb"XY
	k k k "XYghUh]g"XY

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