

## BYi Y'5=85!?fYi nZU\fhYb'ni a 'Dc`Uf\_fY]g. =g`UbX'i bX'; fÒb`UbX'k UfhYb°

9fZU\fYb'G]Y'U``Yg'ØVYf'X]Y'bYi Yb'5=85!?fYi nZU\fhfci hYb ni a 'Dc`Uf\_fY]g'&\$&) #&\$&\* ž'Y]bgW\`]Y»`]W\'N]Y`Yž'DfY]gY'i bX 6i W\i b[gXYhU]`g"



FYm\_^Uj É\_ž=g`UbX'!=a \\J\f'&\$\&\) i bX'\&\\$\&\* \Yfk Y]hYfh'5=\&5 \\gY]b \\ 5b[YVch'Ub'?fYi nZU\fhfci hYb'ni a \\Dc`Uf\_fY]gž'k Y`W\Yg'Y]bY'\c\Y \\BUW\ZfU[Y'j YfnY]W\bYh"BUW\'XYa \\6Yf]W\h'XYg'\foven\Uhhg i bhYfbU\a Yb'\&\\$\&' \\fi bX'' , +") \\\$\DUggU[]YfY \\9I dYX]h]cbg\_fYi nZU\fhYb']b'b\OfX`]W\Y'FY[]cbYb\Z'k Ug'Y]bYa \\5bgh]Y['j cb'\&\\Z\*' i ']a \\JYf[`Y]W\'ni a \\J cf'U\f'Ybhgdf]W\h' \\6YgcbXYfY'Ghcddg']b'=g`UbX'i bX'; f\Ob`UbX'gck]Y'UbXYfYb \\UbXgW\UZh`]W\'fY]nj c``Yb'\N]Y`Yb'nY]W\\bYb'X]Y'bYi Yb'Fci hYb'Ui g"

8]Y'D`Ubi b[Yb'ZØf'&\$&\*'i a ZUggYb'Y]bY'nk Y]hY'?fYi nZU\fhž k À\fYbX'\_ØfnYfY': U\fhYb'[Yghf]W\Yb'k YfXYbži a 'D`Uhn'ZØf'X]Y VY`]YVhYfYb`Fci hYb`ni `gW\UZZYb"`6i W\i b[Yb`ZØf`X]Y`5=85!
?fYi nZU\fhYb`ni a `Dc`Uf\_fY]g`g]bX`VYfY]hg`V]g`&\$&+`a Ò[`]W\ž
XUfi bhYf`X]Y`Fci hY` =g`UbX'/ ; fÒb`UbX'j cb`< Ua Vi f[`bUW\
K UfbYa ØbXY ž'X]Y`Ua `&' "`5i [i gh`&\$&\*`ghUfhYh`i bX`Ua `%' "
GYdhYa VYf`YbXYh"

## J]Y`ZU`h'XYf'Fci hYb

5-85'V]YhYh']a 'Gca a Yf'&\$&) 'i bX'&\$&\* 'j YfgW\]YXYbY
?fYi nZU\fhYb 'Ubž'X]Y'UV' < Ua Vi f[ 'ghUfhYb'i bX'Ui Z'XUg
ZUgn]b]YfYbXY': `U]f'j cb'=g`UbXž'; fÒb`UbX'i bX'Gd]hnVYf[ Yb
Ui g[ Y`Y[ h'g]bX"'8]Y'\_ØfnYghY'FY]gY'XYf'5=85ž'X]Y' =g`UbX!
Fi bXfY]gY'UV' < Ua Vi f[ ž'Z]bXYh'j ca '%&"'V]g'&( "'5df]`'&\$&\* 'ghUhh"
<]YfVY]'a ØggYb'FY]gYbXY'a ]h'Y]bYa 'DfY]g'UV'%", \$) '9i fc'ZØf'Y]bY
=bYb\_UV]bY']a 'DfYa ]i a !HUf]Z'fYW\bYbž'k À\fYbX'X]Y'%-!hÀ[ ][ Y
Fci hY' <][ \`][ \hg'Ua 'Dc`Uf\_fY]g ']b'XYb'A cbUhYb'\$i b]'i bX'\$i`]
&\$&\* 'ZØf'UV'' "\$(\$'9i fc'Ub[ YVchYb'k ]fX"'8]Yg'[ Y\h'Ui g
=bZcfa Uh]cbYb'j cb'?fYi nZU\fh!GcbbY'\Yfj cf"

9]b'k Y]hYfYg'<][\`][\h'XYf'Fci hYb']gh'X]Y'FY]gY' =g`UbX'/; fÒb`UbX'a ]h'GcbbYbZ]bghYfb]g ž'X]Y'j ca '&\*"' $\Rightarrow$ ']'V]g'%\*"'5i [i gh &\$&\* 'ghUhhZ]bXYhž'X]Y'UV'("&') '9i fc'dfc'DYfgcb'Vi W\VUf']gh'': Øf FY]gYbXYž'X]Y'Bcfk Y[Yb'Yf\_i bXYb'a ÒW\hYbž'ghY\h'X]Y'Fci hY Bcfk Y[Yb'a ]h'Gd]hnVYf[Yb'i bX'@cZchYb''j ca '&+"' $\Rightarrow$ ']'V]g'%\$" 5i [i gh'&\$&) 'Ui Z'XYa 'D`Ub"

## 9f\_i bXi b[ghci fYb i bX 5VYbhYi Yf

6YgcbXYfg'VYa Yf\_Ybgk Yfh'g]bX'X]Y'i a ZUb[fY]WXYb
5i gZi [gUb[YVchYžX]Y'FY]gYbXYb'Y]b'i bj Yf[Ygg`]WXYg'9f`YVb]g
Yfa Ò[`]WXYb"'Jcb'6cchgUi gZ'Ø[Yb']b'XYf'8]g\_cVi WXh'VY]
=`]a UbUežk c'9]gVYf[Y'i bX'K U`Y'[Yg]WXhYh'k YfXYb'\_ObbYbž'V]g
\]b'ni 'GhUXhfi bXZU\fhYb'i bX'5\_h]j ]hÀhYb'k ]Y'K \U`Y!K UhWX]b[
cXYf'; `YhgWXYfhci fYb']b'FYm\_'Uj ]\_' 'X]Y'DU`YhhY']gh'j ]Y`ZÀ`h]["
9f\_i bXi b[Yb'XYf'VYY]bXfi W\_YbXYb': 'cfX`UbXgWXUZh'Ui Z
=@`UbXdcbmg'i bX'X]Y'6Ygi WXY'j cb'VY\_UbbhYb
GY\Ybgk ØfX][\_Y]hYb'k ]Y'XYa 'K UggYfZU``; cXUZcgg'cXYf'XYf
VchUb]gWXYb'; ÀfhYb']b'5\_i fYmf]'g]bX'YVYbZU``g'HY]``XYg'5b[YVchg"

Ni gàhn`]W\ 'V]YhYb'5=85!?fYi nZU\fhYb'X]Y'A Ò[`]W\\_Y]hž'X]Y bcfXUh`Ubh]gW\Y'FY[]cb'a]h']\fYb'\]ghcf]gW\ 'VYXYi hgUa Yb JYfV]bXi b[Yb'ni 'XYb'BcfXgYY]bgY`bž'=g`UbX'i bX'; fÒb`UbXž'ni Yf`YVYb"'9g'\UbXY`h'g]W\ 'b]W\h'bi f'i a 'Y]bY'FY]gY']b'X]Y UhYa VYfUi VYbXY'BUhi fž'gcbXYfb'Ui W\ 'i a 'Y]bY'FYa]b]gnYbn'Ub X]Y'NY]h'XYf'K]\_]b[Yf"

8]Y'Ub\U`hYbX'ghY][YbXY'\deltabcjUh]cbg\_fUZh'jcb'5\delta5']b'XYf?fYinZU\fhVfUbW\Y'nY][h'XYih`]W\Z'XUgg'XUg'\deltahYfYggY'Ub'FY]gYb]b'bÒfX`]W\Y';YZ]`XY'kY]hYf\]b'kÀW\gh'':fØ\nY]h][Y'6iW\ib[Yb]g]bX'fUhgUa Z'ia'X]Y'VYghYb'?UV]bYb'ni'g]W\Yfb'ibX'HY]`'X]YgYfib']Yf[Ygg`]W\Yb'ibX'Yf`YVb]gfY]W\Yb'FY]gYb'ni'gY]b''

8 YhU]`g	
Cfh	FYm_′Uj É_ž´-g`UbX
EiY``Yb	• k k k "UVYbXV`Uhh"XY
	<ul><li>k k k "_fYi nZU\fh!gcbbY"XY</li></ul>

6Ygi WXYb G]Y i bg Ui Z Y]bY!fY]gY "XY