

JYf_Y\fgWXUcg'UiZ'XYf'5))).'6]g'; `]'bif nkY]'GdifYb'ZfY]°



? O`b!; cXcfZž8Yi hgWX`UbX`!'8Yf'JYf_Y\f'Ui Z'XYf'5))) i]b
F]WXhi b['? O`b'_ObbhY`ZØf'j]Y`Y`5i hcZU\fYf'ni 'Y]bYf'; YXi `XgdfcVY
k YfXYb"'5_hi Y``Y`A Y`Xi b[Yb']bZcfa]YfYb`XUfØVYfž'XUgg'nk]gWXYb
? O`b!; cXcfZ'i bX`FcXYb_]fWXYb'a]h`Yf\YV`]WXYb'9]bgWXfÀb_i b[Yb
ni 'fYWXbYb']gh"'8]YgY'9b[dÀggY`k YfXYb'Xi fWX`j cfVYfY]hYbXY
A U» bU\a Yb`ZØf'XYb'BYi VUi 'XYf'6fØW_Y`ØVYf'X]Y'=a a YbXcfZYf
GhfU» Y'j Yfi fgUWXh"'@Ui h`FUX]c'9fZh'k YfXYb'X]Y'9]bgWXfÀb_i b[Yb
V]g'5bZUb['\$\f`]'&\$&) ž'[YbUi Yf'[YgU[h'V]g'ni a '("'\$\f`)]ž'VYghY\Yb
V`Y]VYb"

K UgʻVYXYi hYhʻXUgʻ_cb_fYhʻZØfʻX]Yʻ5i hcZU\fYf3ʻ6]gʻni fʻ6Y\YVi b[XYfʻG]hi Uh]cbʻk YfXYbʻbi fʻnk Y]ʻj cbʻi fgdfØb[`]W\ʻXfY]ʻ: U\fgdi fYb ni fʻJ YfZØ[i b[ˈghY\Yb" 8 UgʻZØ\fh'b]W\hʻbi fʻni ʻGhc W_i b[Ybʻ]a

JYf_Y\fgZi ggžgcbXYfb`_ObbhY`Ui W\`X]Y`BYfj Yb`XYf`DYbX`Yf ghfUdUn]YfYb"`8]Y`A U» bU\a Yb`g]bX`bchk YbX][ži a 'Y]b 6cXYb[i hUW\hYb`ZØf`X]Y`D`Ubi b[`XYf`6fØW_Y`gck]Y`ZØf`Y]bY @Afa gUb]Yfi b[`ni 'YfghY``Ybž'XUa]h`XUg`bYi Y`6Ui k Yf_`XUi Yf\UZh XYb`5bZcfXYfi b[Yb`[YfYW\h'k]fX"

JYf_Y\fg]bZcgibXU_hiY``Y6UighY``Yb

8 Yf'J Yf_Y\f'Ui Z'XYi hgWX Yb'5i hcVU\bYb'\Uh'Y]bY'\c\Y'8]WX hY i bX'gcf[h'cZh'ZØf'GhUi g"'=b'8 Yi hgWX`UbX'VYghY\h'XUg'GhfU» YbbYhn Ui g'fi bX'*) \$"\$\$\$'?]`ca YhYfb"'8 Ufi bhYf'ZU``Yb'Ui WX'X]Y'VY]bU\Y %' "\$\$\$'?]`ca YhYf'5i hcVU\bYbž'X]Y'gWXÀhni b[gk Y]gY'XUg nk Y]h[fÒ» hY'BYhn']b'9i fcdU'XUfghY``Ybž'k]Y'ghUi "]bZc'VYf]WXhYh" 8]YgYg'i a ZUb[fY]WXY'BYhn']gh'YbhgWXY]XYbX'ZØf'XYb': Yfbj Yf_Y\fž gck c\``ZØf'DYfgcbYb!'U`g'Ui WX'ZØf'; ØhYfhfUbgdcfhY"

8]Y'5))) ž'Ui Z'XYf'X]Y'XYfnY]h][Yb'9]bgW\fÀb_i b[Yb'VYghY\Ybž']gh nYbhfU`'ZØf'XUg'la `UbX'jcb'?Ò'b"'GhUi g'Ui Z'X]YgYf'GhfYW_Y k YfXYb'Xi fW\'j YfgW\]YXYbghY': U_hcfYb'j Yfi fgUW\hž'gY]'Yg'Xi fW\ l bZ\``Yž'\c\Yg'JYf_Y\fgUi Z_ca a Yb'cXYf'YVYb'6Ui ghY``Yb'k]Y X]Y'XYfnY]h][Y"'8]Y'JYf_Y\fg]bZcfa Uh]cbYb'g]bX'ØVYf'nU\`fY]W\Y?Ub\`Yž'k]Y'FUX]c!5ddg'i bX'Cb`]bY!GYfj]WYgž'UVfi ZVUfž'gcXUgg 5i hcZU\fYf'ghYhg'U_hi U`]g]Yfh'V`Y]VYb'_ÒbbYb"

$8]YD`Ubib[ZØfX]YNi_ibZh$

=a `FU\a Yb`XYf`6Ui a U» bU\a Yb`k]fX`b]W\h'bi f`Ub`XYf`6fØW_Yž gcbXYfb`Ui W\`Ub`Y]bYf`i a ZUggYbXYb`@Àfa gUb]Yfi b[`[YUfVY]hYh" 8Ybbž'k]Y`j]Y`Y`k]ggYbž'XUg`JYf_Y\fgk UW\ghi a `Vf]b[h'Ui W\ <YfUi gZcfXYfi b[Yb`a]h`g]W\/]bgVYgcbXYfY`X]Y`@Àfa VY`Àgh][i b[žX]Y`X]Y`5bk c\bYf`Xi fW\`X]Y`5i hcVU\bbÀ\Y`ni `hfU[Yb`\UVYb"

8]Y'JYfUbhk cfh`]W\Yb'gYhnYb'Ui Z'Y]bY'@Ògi b[ž'X]Y'XYb
5bZcfXYfi b[Yb'XYf'Ni_i bZh'[YfYW\h'k]fX"'8Ua]h'gW\cb'VU`X'U``Y
JYf_Y\fghY]`bY\a Yf'k]YXYf'YbhgdUbbhYf'i bX'nØ[][Yf'ØVYf'X]Y
5)))'fY]gYb'_ÒbbYb"

: Øf'U``Yž'X]Y']b'XYb'_ca a YbXYb'K cWXYb'Ui Z'X]YgYf'Fci hY

 $\label{eq:continuous} i \ bhYfk \ Y[\ g^*g]bX. \ D`UbYb^*G]Y \ ni \ gAhn`]WX Y \ NY]hY]b^*i \ bX^*b i \ hnYb^*G]Y \ [\ Y[\ YVYbYbZU``g^*U`hYfbUh]j \ Y^*F \ ci \ hYb^*G]WXYf\Y]h^*i \ bX^*; \ YXi `X \ ghY\Yb^*Ub^*cVYfghYf^*GhY``Yž^*k \ A\fYbX^*k \]f^*[\ Ya \ Y]bgUa `X]Y \ < YfUi \ gZcfXYfi \ b[\ Yb^*XYf^*GhfU_WYb]bZfUghfi \ _hi \ f^*VYk \ A`h][\ Yb''$

8 YhU]`g	
Cfh	? Ò`b!; cXcfZž'8 Yi hgWX `UbX
EiY``Yb	• k k k "fUX]cYfZh"XY
	• k k k "Ui hc V U \ b "X Y
	• ghUi "]b Zc

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