

6Yhfi [gU`Ufa ']b'? Ò`b.'?ibX]b'j Yf`]Yfh %\$\$\$'9i fc'Ub'8<@!6YhfØ[Yf°



? O`bž'8 Yi hgWX`Ub X`!' \direction ? O`b`\UhiY]bY`bYi Y`6Yhfi [ga UgWXY`]a 6YfY]WX`XYf`DU_Yh`]YZYfi b[Yb`ZØf`5i ZfY[i b[`[Ygcf[h"'8]Y' %! A`\f][Y`GUfU\`A Uhh\]Ygž'Y]bY`GcZhk UfYYbhk]W_`Yf]bž'Yf`YVhY`Ua Y][YbYb`@Y]Vž'k]Y`[YZA\f`]WX`Cb`]bY!9]b_Ai ZY`gY]b`_ObbYbž'U`g`g]YY]b`A UW6cc_`VYghY``hYž'XUg`b]Y`VY]']\f`Ub_Ua "`GhUhhXYggYb`k i fXY]\f`DU_Yh`c\bY`]\f`K]ggYb`Ub`Y]bY`8<@!:]`]U`Y`i a [Y`Y]hYhž'k cVY]g]Y`ZA`gWX`]WXYfk Y]gY`VYgWXi`X][h`k i fXYž'X]YgY`I a `Y]hi b[`gY`VghVYUbhfU[h`ni `\UVYb"`9I dfYgg`VYf]WXhYhž`XUgg`

8 c W X]Y; YgW]W hY [Y\h'k Y]hYf. '5a 'b ÀW ghYb 'HU['ZUb X 'g]Y \YfUi gž XUgg']\f'DU_Yh'VYfY]hg'UV[Y\c`h'k cfXYb'k Uf' 'U``YfX]b[ga]h'Y]bYf'[YZÀ`gW hYb'J c``a UW hž X]Y']\fYb'B Ua Yb'ZY\`Yf\UZhgW f]YV"'5`g'9]bnY`_]bX'\UhhY'g]Y'_Y]bY'; YgW k]ghYfž X]Y'VY]'XYf

5V\c`i b['\AhhYb'\Y`ZYb'_ObbYb"'GUfU\ž'ni h]YZgh'j Yfi bg]W\Yfhž YfghUhhYhY'5bnY][Y'VY]'XYf'Dc`]nY]'i bX'ØVYf[UV'X]Y'ZU`gW\Y Jc``a UW\h"'Jcf'U``Ya 'X]Y'HUhgUW\Yž'XUgg'8<@'XUg'DU_Yh'U`g _cffY_h'ni [YghY``h'Y]bghi Zhž'`Aggh'g]Y'gW\k YfYb'<YfnYbg'ZØfW\hYbž Ui Z'XYb'%\$\$\$'9i fc'GW\UXYb'g]hnYb'ni 'V`Y]VYb"

?ibXYbaØggYbkUWkgUagY]b

 $GUfU \ "]gh'b]Wh'U``Y]b'a \]h'] \ fYa \ "GWX]W_gU`" \ "5i Z`FYXX]h'hY]`hY 'g]Y \\]\ \ fY '9fZU \ fi b["i bX"k i fXY"j cb"Y]bYa "k Y]hYfYb'6YhfcZZYbYb \\ _cbhU_h]Yfhž'XYf'À\b`]WXY'DfcV`Ya Y'\UhhY"'8]YgY'J cfZÀ``Y \\ YfZcfXYfb'Y]bY'__`UfY'K Ufbi b["Ub'U``Y'?Ài ZYf"'Cb`]bY!G\cddYf \\ gc``hYb'VY]'i bYfk UfhYhYb'I a `Y]hi b[Yb'i bVYX]b[h'gcZcfh'XYb < ÅbX`Yf'_cbhU_h]YfYb'i bX']a "Nk Y]ZY`gZU```X]Y'5bbU\a Y j Yfk Y][Yfb"$

Gc`WXY'6Yhfi [gj Yfgi WXY'g]bX'_Y]bYgk Y[g'9]bnY`ZÀ``Y"'HUhgÀWX`]WX nY][Yb'U_hi Y``Y'GhUh]gh]_Ybž'XUgg'XUg'F]g]_c'ZØf'Cb`]bY!6Yhfi [']a Ni [Y'XYg'k UWXgYbXYb'Y`Y_hfcb]gWXYb'<UbXY`g'Yf\YV`]WX Ub[Ygh]Y[Yb']gh"'Ghf]dY']bZcfa]Yfh'XUfØVYfž'XUgg'
I bhYfbY\a Yb'k Y`hk Y]h'j cfUi gg]WXh`]WX'V]g'&\$&)'ØVYf'' ('A]``]UfXYb'I G8'Xi fWX'Cb`]bY!6Yhfi ['j Yf`]YfYb'k YfXYb"'6YgcbXYfg [YZÀ\fXYh'g]bX'6fUbWXYb'a]h'\cWXk Yfh][Yb'K UfYbž'XU'6YhfØ[YfcZh'[Yn]Y`h'[Y[Yb'hYi fY'DfcXi_hY'jcf[Y\Yb"

9]b FYW hgghfY]h Xfc \ h

 $\label{eq:continuous} I a ~ Z\!O\!f'] \backslash f'FYW h'ni ~ _ \grave{a} ~ dZ\!Yb\check{z}' \backslash Uh'GUfU \backslash `bi ~ b' Y] bYb' 5bk ~ U`h$

Y]b[YgWkU`hYhžia 'XYb'Cb`]bY!G\cd'ni 'j Yf_`U[Yb"'G]Y'j Yfa i hYhž XUgg'Yg']a 'DU_YhnYbhfi a 'Ya UbX'Ui Z'X]Y'k Yfhj c``Yb'5fh]_Y` UV[YgY\Yb'\Uh'i bX'fi Zh'XUni 'Ui Zž'6Yhfi [gZÀ``Y'Yfbgh'ni 'bY\a Yb" 8Yf': U``'j YfXYi h`]Wkh'Y]bXfØW_`]Wkž'k]Y'k]Wkh]['Yg']ghž'k UWkgUa 'ni gY]b'i bX'G]WkYf\Y]hga U» bU\a Yb'Yfbgh'ni 'bY\a Ybž'[YfUXY']b Y]bYf'NY]hž']b'XYf'Cb`]bY!6Yhfi [']a a Yf'fUZZ]b]YfhYf'k]fX"

9]bY'ghÀbX][Y'@YfbVYfY]hgWXUZh'i bX'[i hY'G]WXYf\Y]hgdfU_h]_Yb_ObbhYb'XUfØVYf'YbhgWXY]XYbž'cV'JYfVfUi WXYf'g]WXYf']a 'BYhn Y]b_Ui ZYb'_ObbYb'cXYf'b]WXh"'8]Y'9fZU\fi b[Yb'j cb'GUfU\A Uhh\]Yg'gc``hYb'i bg'U``Y'XUni 'UbfY[Ybž'VY]a 'Cb`]bY!G\cdd]b[i h'Ui Zni dUggYb"

8 Y hU]`g	
Cfh	?Ò`bž'8Yi hgW\`UbX
EiY``Yb	k k k "Yl dfYgg"XY
	• k k k "X\`"Wca
	• ghf]dY"Wca

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