

8 fc [YbhYgh! $7 \ YW$ 'Ub 'XYf'5 + . 'Dc`]nY] [fY]Zh'\ Ufh'Xi fW\ °

5_hi Y``Y`Dc`]nY]a Y`Xi b[Yb`Ui g`FYbXgVi f[!9W_YfbZÒfXY. I bZÀ``Yž'JYfVfYWXYb`i bX`G]WXYf\Y]hg_cbhfc``Yb"'=bZcfa]YfYb G]Y`g]WX`\]Yf°

F UghUb`U[Y'5U`VY_ž'&()'+'BYi a ØbghYfž'8Yi hgW\`UbX'!'5a) ": YVfi Uf'&\$&) 'VYf]W\hYhXUg'Dc`]nY]h]W_Yf'ZØf'BYi a ØbghYf'ØVYfU_hi Y``Y'\DZcfa Uh]cbYb'ni 'I bZ\``Ybž'GdYffi b[Ybž: Yi Yfžj Yfa]gghYb'DYfgcbYbž'; Yk U`h'i bX'JYfVfYW\Yb']b'XYf'FY[]cb"BYVYb'; fc>YbgYhni b[Yb'i bX'JYf_Y\fga Y`Xi b[Yb'i a ZUggh'XYfH]W_Yf'Ui W\'6Yf]W\hY'ni '6f\AbXYbž'GhfUZhUhYb'i bX'; Yk U`hXY`]_hYb]b'BYi a ØbghYf'i bX'I a [YVi b["'Ni g\Ahn`]W\'g]bX'\DZcfa Uh]cbYb'ni?f]a]bU`]h\Angck]Y'I b[`ØW_Yb']b'GW\`Ygk][!<c`ghY]b'Ui Z'XYfD`Uh\Zcfa i YfZØ[VUf"

 $: \varnothing f'XYb'BchZU```]b'BYi a \varnothing bghYf'k YfXYb'Zc`[YbXY'GWkf]hhYYa dZc\`Yb.'Bchfi Zbi a a Yf'%%&'Z\varnothing f'Dc`]nY]ž': Yi Yfk Y\f'cXYf FYhhi b[gX]YbghY'Ubfi ZYbž'9fghY'<]`ZY'`Y]ghYb'k Ybb'a Ò[`]Wkž'Ua Cfh'XYg'; YgWkY\Ybg'V`Y]VYbž'k]Wkh][Y'\dangle Zcfa Uh]cbYb'gUa a Y`bk]Y'5bnU\``XYf'6YhfcZZYbYbž'JYf`Yhni b[Yb'i bX'X]Y'[YbUi Y5XfYggYž'5b[Y\Òf][Y'VYbUWkf]Wkh][Ybž'5bkY]gi b[Yb'XYfFYhhi b[g_f\dangle ZhY'VYZc`[Yb'gck]Y'fi\]['i bX'i bhYfgh\ØhnYbX'V`Y]VYb'' BUWk'Y]bYa 'BchZU```gc``hY'\dangle fhhi)WkY'<]`ZY'gck]Y'Yj Ybhi Y``dgmWkc`c[]gWkY'I bhYfgh\Øhni b['[Ygi Wkh'kYfXYbž'k]Y'_b! cb`]bY''XY'VYf]WkhYh''$

?cbhfc``Yb'Ub'XYf'FUghUb`U[Y'5U`VY_

Ni gÀhn`]W\`k i fXYb`Ua `%("`>Ub Uf`&\$&) `i a ZUb[fY]W\Y JYf_Y\fg_cbhfc``Yb`Ub`XYf`FUghUb`U[Y`5U`VY_`Ub`XYf`5i hcVU\b`+

]b F]Wk hi b['< Ua Vi f['Xi fWk [YZØ\fh" '5b 'X]YgYf'? cbhfc ``Y 'k UfYb Yhk U', \$ '6YUa hY 'VYhY]`][hž XUfi bhYf 'Dc`]nY]! 5i hc VU\b! 'i bX 6Yn]f_gfYj]Yf 'A]hhYž 'Nc ``ž 'J Yf_Y\fgØVYfk UWki b[gX]Ybgh B Yi a ØbghYf 'gck]Y '5i gni V]`XYbXY 'XYf 'D8 '5: 6 '9i h]b "'N]Y ``k Uf 'Ygž 5`_c\c`! 'i bX '8 fc [YbXY`]_hY 'ni 'dfØZYb 'gck]Y 'X]Y '5i gV]`Xi b['1 b[Yf '6YUa hYf 'ni 'ZÔfXYfb"

=bg[YgUa h'k i fXYb') %&'?fUZhZU\fnYi [Y'_cbhfc``]Yfhž'k cVY]'%&($: U \setminus fnYi [Y'VYUbghUbXYh'k i fXYb"'| bhYf'XYb'Y]b[Y`Y]hYhYb$ JYfZU\fYb'VYZUbXYb'g]W\'+&'?cbhfc``VYf]W\hgjYfZU\fYb'kY[Yb $A \dot{A}b[Y\dot{b}\dot{z}^{*} + CfXbib[gk]Xf][\underline{Y}]hYbjYfZU\backslash fYbibX''$ GhfUZj YfZU\fYb"K Y]hYf\]b k i fXYb (K Y]hYfZU\fhYb i bhYfqU[h"Ni $XYb^{-}ZYgh[YghY^{h}Yb^{-}CfXbib[gk]Xf][_Y]hYb^{-}hA^{h}Yb^{-}UV[Y^{u}iZYbY]$ JYfVUbX_AghYbž'UV[Y`UiZYbY'<UidhibhYfgiWXib[Yb'ibX $\label{eq:continuous} \verb|JYfgh">> Y"VY]"XYf" @UXi b[gg] WXYfi b[""+bgVYgcbXYfY"VY]" @_k!$ $i b X \% : U^* X Y g : U Y b g C b Y : U Y f L U f Y f L U f Y f L U f Y g h Y b g C b Y : U f Y f L U f Y g h Y b g C b Y i U f Y f L$ $GhfUZ_{i}^{T}YfZU\setminus fYb^{T}k^{T}i^{T}fXY^{T}Y[Yb^{T}Y]bYb^{T}Vi^{T}Uf]gWXYb^{T}U\setminus fYf^{T}Y]bYg^{T}K$ HfUbqdcfhYfg'Y]b[Y`Y]hYhž'XYf';YfXÀW\h][h'k]fXž'XUg':U\fnYi['ibX Y]bYb Ybhk YbXYhYb '9!GWcchYf hfUbgdcfh]Yfh ni '\UVYb" Ni XYa ZUbXYb G]WX YfghY``i b[Yb jcb Y]bYa JK HfUbgdcfhYfžY]bYa 9! GWcchYf'i bX'N][UfYhhYbghUb[Yb'ghUhhž'k]Y'dfYggYdcfhU`"XY VYf]WXhYh"

8 Y hU]`g	
J c f ZU``	8]YVghU\`
Cfh	FUghUb`U[Y'5U`VY_ž'&()'+'BYia ØbghYfž
	8Yi hgWX`UbX
EiY``Yb	k k k "_b!cb`]bY"XY
	k k k "dfYggYdcfhU`"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z 'b!U["XY