

## ; Ygi WX h. '6YhfYi i b[ 'ZØf B Uhi fYfZU\ fi b[ gfUi a ']a '@G; '< YfnVYf[ Y

=a  $(6Yn)f_{0}W$  hyb V Y f[  $(gc)^{3}$ ] a (gub X gW) U Z h g gW i h n [ Y V ] Y h< YfnVYf[Y'Y]b'BUhi fYfZU\fi b[gfUi a 'fB9FŁ'YhUV`]Yfh k YfXYb"'8 UZØf'k ]fX'UV'XYa '%) "'C \_hcVYf'&\$&( 'Y]bY#b JYfUbhk cfh`]WXY#b`[Ygi WXhžX]Y#XYf`g]WX`i a `XUg`DfcY\_h / Ua d/, , &&&/6YhfYi i b[ 'XYq'BUhi fYfZU\fi b[ qfUi a Yq']a @G; < YfnVYf[ Y/ Ua d/, &&\$/'\_Øa a Yfb k ]fX" =bhYfYgg]YfhY  $\Delta = \Delta \times V =$ 5i Zfi Zi bhYf`U[ Yb`dYf`9!A U]``]a `l a k Y`h!`i bX BUhi fgWki hnUa hUbZcfXYfb"8]Y6Yn]f\_gghUXhfÀh]bZØf JYf\_Y\fž; fØbZÀWXYbžCfXbib[žlakY`hibX`BUhifgWXihnž : ]`]n'?Y\_Ø``Øcû`i ž'ZfYi h'g]W\ 'ØVYf'X]Y'A Ò[`]W\\_Y]hž'Y]bYb BUhi fYfZU\fi b[qfUi a ']b'< Yfn $VYf[Y'ni 'Ybhk]W_Y`b''8]Y$ GhY``Y`XYf`6YhfYiib[`XYg`B9F`kifXY`ZØf`nkY]`划\fY`jcb`XYf GYbUhgj Yfk U`hi b[ 'Z]bUbn]Yfhži a 'XUg'Dfc Y\_hi a ni gYhnYb" 8Yf'BUhi fYfZU\fi b[gfUi a 'gc``'?]bXYfb'Y]b'i b[YghÒfhYg BUhi fYf`YVb]g'Yfa O[`]WYb' Ua  $d\wedge Y``]d/$ 



8]Y'6Yn]f\_gghUXhfÀh]b'ZØf'JYf\_Y\fž'; fØbZÀW\Ybž'CfXbib[ž'lakYhibX'BUhifgW\ihnž':]`]n'?Y\_Ø``Øcû`iž'ZfYih'g]W\'ØVYf'X]Y
A Ò[`]W\\_Y]hž'Y]bYb'BUhifYfZU\fib[gfUia']b'<YfnVYf[Y'niYbhk]W\_Y`b"'8]Y'GhY``Y'XYf'6YhfYiib['XYg'B9F'kifXY'ZØf'nkY]
\Lambda\\fY'jcb'XYf'GYbUhgjYfkU`hib['Z]bUbn]Yfhž'ia'XUg'Dfc'Y\_hianigYhnYb"'8Yf'BUhifYfZU\fib[gfUia'gc``'?]bXYfb'Y]b
ib[YghÒfhYg'BUhifYf`YVb]g'YfaÒ[`]W\Yb'ibX'gc'nif
; YgibX\Y]hgjcfgcf[Yž'\_]bX`]W\Yb'9bhk]W\_`ib['ibX
BUhifVYkigqhgY]b'VY]hfU[Yb"

8 Yf'Dfc Y\_hnY]hfUi a ']gh'j cb'C\_hcVYf'&\$&('V]g'9bXY'8YnYa VYf &\$&) 'i bX'k ]fX'a ]h'a UI ]a U`'' \$"\$\$\$'9i fc'Vfi hhc'À\f`]W\ [YZÒfXYfh"'=bhYfYggYbhYb'a ØggYb'V]g'ni a '' \$"'5i [i gh'&\$&(Ui ggU[Y\_fÀZh][Y'I bhYf`U[Yb'[Ya À» 'XYb'[YbUi Yb'6Ygh]a a i b[Yb VY]a '6Yn]f\_gUa h'@]W\hYbVYf['Y]bfY]W\Yb"

9]b'BUhi fYfZU\fi b[gfUi a 'V]YhYh'gck c\``ghUXhÒ\_c`c[]gW\Y'U`g Ui W\`gcn]U`Y': i b\_h]cbYb'i bX'ZÒfXYfh'Y]bY'bUW\\U`h][Y JYfV]bXi b['ni f'BUhi f''8]YgYg'Dfc'Y\_h']b'<YfnVYf[Y'hfÀ[h'XUni VY]ž'X]Y'BUhi f'ni [Àb[`]W\Yf'ni 'a UW\Yb'i bX'XUg'6Yk i gghgY]b'ZØf I a k Y`hgW\i hn'ni 'ghÀf\_Yb"

Elyny, kkk "VYf"]b"XY

## 6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!VYf`]b "bYh