

## 



I k Y 'C Wk gYb\_bYWk hž'XYf'Gi dYfghUf'XYg'XYi hgWkYb'?]bcgž`\Uh'a ]h gY]bYb']\_cb]gWkYb'Fc``Yb']b':]`a Yb'k]Y' 8 Ug'6cch 'i bX' A ÀbbYf ]b'XYb', \$Yfb'; YgWk]Wk hY'[YgWkf]YVYb''8cWk'XYf'ghfU\`YbXY GWk Ui gd]Y``Yi Wk hhi fa '\Uh'b]Wk h'bi f'X]Y'[fc>Yb'@Y]bk ÀbXY YfcVYfhž'gcbXYfb'\_Àa dZh'bi b'Ui Wk']b' 8]Y'=cb]Y'XYg'@YVYbg 'a ]h XYb'GWk UhhYb'XYf'A YbgWk\Y]h''=b'X]YgYf'VYk Y[YbXYb'; YgWk]Wk hY gd]Y`h'Yf'9X[Ufž'Y]bYb'7ca YX]Ub'Ub'XYf'GY]hY'gY]bYf'hcX\_fUb\_Yb 9I!: fUi =z'\_cffY\_hYfk Y]gY'XUf[YghY``h'j cb'7cf]bbU'<UfZci fWk'''<]Yf

k ]fX`XUg`H\Ya U`XYg`@YVYbg`i bX`GhYfVYbg`Ui Z`VYk Y[YbXY`K Y]gY VY`Yi W\hYh°

±b Y]bYa 'dUW\_YbXYb' ±bhYfj ]Yk 'Ui Z'fVV', , ", 'a ]h'%\$\$i Dfca ]'[UV I k Y'C Wk gYb\_bYWk h'Y]bYb']bh]a Yb'9]bV`]W\_']b 'gY]b 'GYY`Yb`YVYb" ±Wk 'a ÒWk hY 'Y]bZUWk 'UVhfYhYb' 'c\bY'5b[ghjcf'XYa 'HcX'cXYf'jcf XYa 'GhYfVYb ž'gc'XYf'GWk Ui gd]Y`Yf"'<Y]`][Yf'Ghfc\gUW\_\*'K]Y'cZh k ]fX'X]YgYg'[YZØ\`jc``Y'H\Ya U']b'i bgYfYf'; YgY``gWk UZh'U`g'HUVi VY\UbXY`h3'C Wk gYb\_bYWk h'ZcfXYfh'i bg'Ui Zž'XYb'HcX'b]Wk h'ni ZØfWk hYbž'gcbXYfb']\b'U`g'HY]`'XYg'@YVYbg'ni 'U\_nYdh]YfYb"' 8 Ug k ]ggYb'k ]f'gY]h'; YVi fhž'i bX'XUg'k ]fX']a a Yf'gc'k Y[[YgWkcVYb ž ZØ[h'Yf'\]bni 'i bX'VYhcbh' 8 Ug'a UWk Y']Wk 'Yhnh" '9g']gh'Y]b \_fUZhj c``Yf'5i Zfi Z'ni a 'I a XYb\_Yb'

## 9]b '? ]b X 'j c ``Yf 'Nk Y]ZY `

I bX 'Yhnh'\_ca a h'X]Y 'Ya ch]cbU`ghY 'K YbXi b[. I k Y 'OZZbYhY 'X]Y 'HØf ni 'gY]bYf'Y][YbYb'?]bX\Y]hž'X]Y '[YdfÀ[h'k Uf'j cb 'GW\a YfnYb'i bX I bg]W\Yf\Y]hYb"  $\Rightarrow$ W\\UVY']a a Yf'XUg'; YZØ\\`[Y\UVhž'XUgg']W\]a K Y['V]b ž'[YghY\h'Yf'i bX'gW\cW\_]Yfh'XUa ]h'X]Y'Ni \OfYf''  $\Rightarrow$  a Yf k ]YXYf'XUW\hY'Yf.  $\Rightarrow$ W\\U\]b 'UXcdh]Yfh'i bX'X]Y'I a hUi gW\Zf]gh']gh UV[Y`Ui ZYb" 8]YgY'XØghYfYb'; YXUb\_Yb'j YfZc\[hYb']\bž'i bX'XYf GW\UhhYb'gY]bYg'J UhYfgž'XYf']\b'a ]h'DfØ[Y`ghfUZY'X]gn]d\]b]YfhYž k UfZ``Ub[Y'Y]bYb'`Ub[Yb'GW\UhhYb'Ui Z'gY]bY'GYY`Y"

Hfchn'X]YgYf'<YfUi gZcfXYfi b[Yb'ZUbX'l k Y'gY]bY': `i Wkh']b'X]Y
H\YUhYfk Y`hž'X]Y'ZØf']\b'ni 'Y]bYf'bYi Yb': Ua ]`]Y'k i fXY"' 8 Ug
\UVY'a ]h'g]YVnY\b'[Y\_`Uddh ž'j YffÀh'Yf'j c``Yf'Ghc`n"'l bX'gc'gWki Z
Yf'g]Wk'Y]bY'bYi Y'=XYbh]hÀhž'ZYfbUV'j cb'XYb'GhfÀb[Yb'gY]bYf
JYf[Ub[Yb\Y]h''K Y`Wk']bgd]f]YfYbXY'; YgWk]WkhY''l k Y
C WkgYb\_bYWkh'nY][h'i bgž'XUgg'gY`Vgh'Ui g'XYb'h]YZghYb'5V[fØbXYbYhk Ug'K i bXYfj c``Yg'YfV`Ø\Yb'\_Ubb'

I k Y 'C W gYb\_bYW h']gh'b]W h'bi f'Y]b 'GhUf'XYf'@Y]bk UbXž'Yf']gh'Y]b A YbgW 'a ]h'fYU`Yb'Ÿb[ghYb'i bX'<c\otinus cZbi b[Yb"'GY]bY'; YXUb\_Yb'ni GhYfV`]W \_Y]h'i bX', VYfk ]bXi b[ '`UXYb'XUni 'Y]b\otinus ovYf'XUg'@YVYb i bX'X]Y'Y][YbYb'9fZU\fi b[Yb'bUW\ni XYb\_Yb"'GW\Ui h'Yi W\ 8]Y \( \fices c)Y'XYg'@YVYbg 'Ub'i bX'`Uggh'Yi W\ j cb'X]YgYf

 $\label{eq:continuity} \mbox{Ui } \mbox{$\tt Yf[Yk \`O\b']W\Yb'8UfV]Yhi b['a ]hfY]} \mbox{$\tt Yb'$}$ 

8 Y hU]`c

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