

## 6]``m'=Xc``fcW\_h'K]YgVUXYb.`HUigYbXY : Ubg'ZY]Yfb'XYb'FcW\_!?`Ugg]\_Yf°

6]``m' ≠xc``VY[Y]ghYfhY`Ua '%' "\$+"&\$&) ']b'XYf'6f]hU!5fYbU K]YgVUXYb'a]h'<]hg'i bX'bYi Yb'Gcb[g'j cf''l VY`bXYb': Ubg"



K ]YgVUXYbž'8Yi hgWX`UbX'!'K Ug'ZØf'Y]b'5VYbX']b'XYf'6f]hU!
5fYbU'K ]YgVUXYb°'5a'%' "'⇒'`]'&\$&) 'VY[Y]ghYfh'X]Y'FcW\_]\_cbY
6]``m'⇒Xc``HUi gYbXY'j cb': Ubgž'X]Y'Ui g'bU\'i bX'ZYfbž'XUfi bhYf
?Ò`bž': fUb\_Zi fh'i bX'A U]bnž'Ub[YfY]gh'g]bX"'Hfchn'XYf'j cf\Yf][Yb
K YhhYfk Ufbi b[Yb'V`]YV'XYf'<]a a Y``hfcW\_Yb'i bX'X]Y'Gh]a a i b[
[fc»Ufh][ž'U`g'X]Y'YfghYb'?`Àb[Y'XYg'?cbnYfhg'Xi fWX'X]Y'5fYbU
\U``Yb"

6YfY]hg'Y]bY'Ghi bXY'j cf'6Y[]bb'XYg'?cbnYfhg'k UfYb'X]Y
DUf\_d`ÀhnY'fi bX'i a 'XUg'GhUX]cb'j c``'VYgYhnh"'I a '&\$'I \f'VYhfUh
XYf'\*, !'À\f][Y'=Xc`']b'gY]bYf'W\UfU\_hYf]gh]gW\Yb'@YXYf'\UW\_Y'i bX
k YW\gY`bXYb'Ci hZ]hg'X]Y'6Ø\bY"'I bhYfghØhnh'k i fXY'Yf'j cb'gY]bYf
`Ub['À\f][Yb'6UbXž'Ub'XYf'; ]hUffY'GhYj Y'GhYj Ybgž'XYf'ZØf'gY]bYb

## 9]b 5VYbX j c ``Yf ? `Ugg]\_Yf

★c``VY[Y]ghYfhY`XUg`Di V`]\_i a 'a ]h'gY]bYb'[fc»Yb'<]hg'k]Y`FYVY`
MY`` ž' K \]hY'K YXX]b[ 'i bX' 8 UbW]b['K ]h\ 'A mgY`Z "'8]Y

♣bhYfU\_h]cbYb'a]h'XYb': Ubg'k UfYb'W\Ufa Ubh'i bX``YV\UZh"
6YgcbXYfg'Y]b'A ca Ybh'V`Y]Vh']b'9f]bbYfi b[.'♠Xc`'gd]Y`hY'Y]b

; ]hUffYb! ♣bhfc'j cb' GhU]fk Um'hc'<YUj Yb ž'k Ug'X]Y'A Yb[Y'ni a
HcVYb'VfUW\hY"5i W\'bYi Y'Gcb[g'Ui g'gY]bYa 'U\_hi Y``Yb'5`Vi a
8fYUa '♠hc'♠ 'ZUbXYb']\fYb'D`Uhn']a 'GYh'i bX'k i fXYb'j cb'XYb
: Ubg'[i h'Ui Z[Ybca a Yb"</pre>

## 9]b F ØW\_V`]W\_'Ui Z'Y]bY VYY]bXfi W\_YbXY ? Uff]YfY

a ⅓ b] `\ UhhY `6]``m' ⇒ c``VYfY]hg'Y]bYb ii bj Yf[Ygg`]W\Yb'5i Zhf]hhi]b XYf'K Ya V`Ym'5fYbU'[Y[YVYb": Ubg'hfi [Yb'ghc`n'A YfW\UbX]gY i bX'X]Y 5ha cgd\ÀfY k Uf'[Y`UXYb'a]h'6Y[Y]ghYfi b["' ⊕ 'gY]bYa XmbUa]gW\Yb'5i Zhf]hhž'XYf'j cb'k YW\gY`bXYb'<]bhYf[fØbXYb VY[`Y]hYh'k i fXYž'nY][hY'Yf'YfbYi hž'XUgg'Yf'\_Y]b'ZU`gW\Yf'⇒ c``]ghž gcbXYfb'Y]b'YW\hYf'?Øbgh`Yfž'XYf'gY]b'Di V`]\_i a 'a]h'dYfgÒb`]W\Yb; YgW\]W\hYb'i bX'gY]bYf'i bj Yfk YW\gY`VUfYb'A i g]\_'ZYggY`h"'8 Uni [Y\Òfh'Ui W\XUg'@]YX' Hcc'A i W\: i b ž'XUg'Ui Z'gY]bYb 9fZU\fi b[Yb'FYZY\_h]cbYb'k]fZhž'XUfi bhYf'gY]b'A chcffUXi bZU```]a ₺\\f'%--\$"

; YfUXY'VY]' : `Yg\': cf': UbhUgm ž']b'XYa 'Yf'k À\fYbX'Y]bYg ?cghØa k YW\gY`g'XUg'Di V`]\_i a 'a ]hf]ggž'k i gghY'=Xc`ž'k ]Y'a Ub'X]Y Ni gW\Ui Yf'VY[Y]ghYfh"'GY]bY'8UfV]Yhi b['j cb' 9mYg'K]h\ci h'5 : UWY 'k i fXY'j cb'Y]bYa 'Y]bXfi W\_gj c``Yb'8fml $\Rightarrow$ W!9ZZY\_h'VY[`Y]hYhž k À\fYbX'X]Y': Ubg'ZfÒ\`]W\'a ]hg]b[Yb'Xi fZhYb"

 $: \emptyset f : XYb : 5VgWX `i gg : XYg : ? cbnYfhg : ghUbXYb : ? `Ugg]_Yf : k ]Y : < ch : 4b : H\Y : 7 ]hm : i bX : Y]b :_fUZhj c ``Yg : K \]hY : K YXX]b[ : Ui Z : XYa : Dfc[fUa a " := <math>Xc$  ``a UWX hY : Y]b :[ i hYg :; YgWX À Zh :a ]h : gY]b Ya : 5i Zhf]hh i bX :`]Y » : X]Y : 5b \ Àb[Yf : ni Zf]Y XYb : i bX :j c ``Yf :: fYi XY : ni f $\emptyset W_{-}$ "

#bg[ YgUa h'k Uf'XYf'5i Zhf]hh'j cb'6]``m' ≠xc``]b'K ]YgVUXYb'Y]b
< ][\`][ \h'XYg'Gca a Yfgž'XUg']b'XYb'9f]bbYfi b[ Yb'XYf': Ubg'`Ub[ Y
bUW\\U``Yb'k ]fX"'K Yf'k Y]» ž'k c'Yf'U`g'BÀW\ghYg'Ui Zhf]hh'i bX
k Y`W\Y'; YgW\]W\hYb'Yf'bcW\'ni 'YfnÀ\`Yb'\Uh'°</pre>

8 YhU]`g	
Cfh	K]YgVUXYbž'8YihgWX`UbX
EiY``Yb	<ul><li>k ]YgVUXYb!`YVh"XY</li></ul>
	• fcW_g∖cha U[Un]bY"Wca

6Ygi WXYb G]Y i bg Ui Z. bU[!\YggYb"XY