

## ? O`bYf`8fY][ Ygh]fb`&\$&\*.`9\fYbUa h`]a : c\_i g` `Gc`fY[ ]YfYb`Df]bnž`6Ui Yf`i bX >i b[ ZfUi °

8 UgʻXYg][ b]YfhYʻ? O`bYfʻ8 fY][ Ygh]fbʻ&\$&\* žʻUb[ YZØ\fh'j cb Df]bn'B]\_`Ugʻ XØb[`]b[ 'Ui gʻ@]bXYbh\U`ž'k i fXY'j cf[ YghY``h"



 $\label{eq:bound} $$B]_`Ug\check{z}`XYf'' \&! \hat{A} f][Y'JYfg]WXYfib[gYIdYfhY'Uig'@]bXYbh\U`\check{z}']gh$$ 

## 8Ug A chhc XYf GYgg]cb. 9\fYbUa h ]a : c\_i g

A ]h'Y]bYa 'bYi Yb'A chhc'ghUfhYh'X]Y'GYgg]cb'&\$&\*']b'?Ò`b.' 5@55:

'A Yf'Xi b'Yh'ZÒf'?Ò``Y "'8Yf': c\_i g'`]Y[h'XUVY]'Ui Z'XYb'j ]Y`Yb

9\fYbUa h`]W\Ybž'X]Y'XUg'FØW\_[fUh'XYg'?UfbYj U`g'V]`XYb"

7\f]ghcd\'?i W\_Y`\_cfbž'DfÀg]XYbh'XYg': Ygh\_ca ]hYYg'?Ò`bYf

?UfbYj U`ž'VYhcbhž'XUgg'b]W\h'bi f'X]Y'fi bX'' \$"\$\$\$'?UfbYj U`]ghYb

]a ': Ygh\_ca ]hYYž'gcbXYfb'U``Y'?Ò`bYfž'X]Y'g]W\'Y\fYbUa h`]W\
Yb[U[]YfYbž']b'XYb'A]hhY`di b\_h'[YfØW\_h'k YfXYb"'8]YgY'6chgW\UZh
k i fXY']a '`YhnhYb'\J\fž'k À\fYbX'XYg'FcgYba cbhU[gni [gžj cb
Ni [`Y]hYf'A UfWA]W\Y`g\_Y'Ybh\Ø``h"'

?i W\_Y`\_cfb`\YVh`\Yfj cfž`XUgg`XUgʻ9\fYbUa h`Y]bY`6YgcbXYf\Y]h
XYgʻ? Ò`bYfʻ? UfbYj U`gʻXUfghY``hžʻ]a ; Y[YbgUhn`ni 'UbXYfYb
\_ca a Yfn]Y``Yb': YghYb'k]Y']b'F]c'cXYf'JYbYX]["', VYfU``']b'XYf
GhUXh'Yb[U[]Yfh'a Ub'g]W\']b'Gdcfhj YfY]bYbž'?]fW\Yb'i bX
\_Uf]hUh]j Yb'Cf[Ub]gUh]cbYb"'8 UgʻU\_hi Y``Y'8 fY][Ygh]fb'\Uh
YVYbZU``g'Y]b'D`ÀXcmYf'ZØf'X]Y'Y\fYbUa h`]W\Y'I bhYfghØhni b[
[Y\U`hYbži a 'X]Y'k]W\h][Y'Fc``Yž'X]Y'X]YgY'A YbgW\Yb']a '?Ò`bYf
?UfbYj U``qd]Y`Ybž'ni 'k ØfX][Yb"

## 9]b i bj Yf[ Ygg`]W Yg 划\fj cfUi g

8]Y'GYgg]cb'&\$&\*'k]fX'U`gc'b]Wkh'bi f'a]h'j]Y`: fYi XY'i bX'Vi bhYa HfY]VYb'[YZØ``h'gY]bž'gcbXYfb'Ui Wk'a]h'nU\`fY]WkYb'5\_h]cbYb'ni f 9\fi b['XYf'9\fYbUa h`]WkYb"'8]Y'cZZ]n]Y``Y'Dfc\_`Ua Uh]cb'XYg 8fY][Ygh]fbg'Z]bXYh'Ua'-"'&Ubi Uf'&\$&\*'ghUhhž'i bX'V]g 5gWkYfa]hhk cWk'kYfXYb'B]\_`Ugž'7`YaYbg'i bX'5YbbY'X]Y'GhUXh']b  $XYb ? UfbYj U``Z\emptyset \ fYb"`A ]h'] \ fYb `Yb[U[]YfhYb `5i Zhf]hhYb `i bX `XYa _`UfYb `: c_i g'Ui Z'XUg'9 \ fYbUa h'k ]fX `X]YgY `GYgg]cb `g]WX Yf`]WX `Y]b i bj Yf[Ygg`]WX Yg'9f`YVb]g'ZØf'U``Y'? Ò`bYf"$ 

±g[YgUa h']gh'X]Y'JcfZfYi XY'bi b'[fc»'i bX'X]Y'GhUXh'VYfY]hYh'g]W\Ui Z'Y]b'∀J\f'j cfž'XUg'X]Y'6YXYi hi b['j cb'; Ya Y]bgW\UZh'i bX
9b[U[Ya Ybh'ZØf'?Ò`b'YfbYi h']bg'@]W\h'fØW\_h"

: Øf'a Y\f' ₺Zcfa Uh]cbYb'ni 'XYb'bYi Yb'; Yg]W\hYfb'XYg'? Ò`bYf ? UfbYj U`g'i bX'XYb'[ Yd`UbhYb'5\_h]j ]hÀhYb'\_ÒbbYb'G]Y'\]Yf bUW\`YgYb. '&(f\Y]bž'9fZh\_fY]g'BYk gž'i bX'Fi bXgW\Ui 'Cb`]bY"

8 Y hU]`g	
Cfh	@]bXYbh\U`ž'8Yi hgW\`UbX
EiY``Yb	• k k k "&( f\Y]b"XY
	<ul><li>k k k "YfZh_fY]g!bYk g"XY</li></ul>
	<ul><li>k k k "fi bXgW\Ui !cb\]bY"XY</li></ul>

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