

## : U\ffUXZU\fYf'Ui g'8cfghYb'j YfghcfVYb. I fgUWXY'bcWX'i b\_`Uf

9]b '\*' ! 'À\f][ Yf': U\ffUXZU\fYf'Ui g'8 cfghYb'j YfghUfV'bUW\Y]bYa 'BchZU``'Ui Z'XYf'GhfU» Y"'9fa ]hh'i b[ Yb'`Ui ZYb"

## : U\ffUXZU\fYf']b 8cfghYb j Yfgh]fVh' 6YXYi hi b[ ZØf': U\ffUX!G]WXYf\Y]h

 $5a : fY]hU[a]hhU[`YfY][bYhY`g]WX`Y]b`VYXUiYf`]WXYf`JcfZU```]b\\ 8cfghYbž`VY]`XYa `Y]b`*'!^A\f][Yf: U\ffUXZU\fYf`gY]b`@YVYb\\ jYf`cf"'; Y[Yb`%&.&$`I\f`kifXYb`BchZU``_fAZhY`U`Ufa]Yfhž\\ bUWXXYa `DUggUbhYb`Y]bYb`A Ubb`UiZ`XYf`: U\fVU\b`XYg\\ GhYYbdUhhg`YbhXYW_h`\UhhYb"`Hfchn`gWXbY``Yf`9fghY`<]`ZY`_cbbhYXYf`A Ubb`b]WXh`[YfYhhYh`kYfXYb"$ 

#### GhUXh[YaY]bgWXUZh']b'HfUiYf

8]Y'BUW\f]W\h'j ca 'HcX'XYg': U\ffUXZU\fYfg'\Uh']b'XYf'8cfghYbYf; Ya Y]bgW\UZh'6YhfcZZYb\Y]h'Ui g[Y`Ògh": U\ffUXg]W\Yf\Y]h']gh'Y]b k]W\h][Yg'H\Ya U']b'j]Y`Yb'Gh\XhYbž'i bX'X]YgYf'hfU[]gW\Y'JcfZU`` k]fZh'YfbYi h': fU[Yb'XUfØVYf'Ui Zž'k]Y'X]Y'G]W\Yf\Y]h'j cb FUXZU\fYfb'jYfVYggYfh'kYfXYb'\_Ubb"'8]Y'GhUXh'8cfghYb'\Uh']b XYb'`YhnhYb'\\J\fYb'jYfgW\]YXYbY'\\b]h]Uh]jYb'[YghUfhYhž'i a 'X]Y JYf\_Y\fgg]W\Yf\Y]h'ni 'Yf\O\Ybž'XcW\'gW\Y]bh'Ygž'XUgg'bcW\'j]Y` aY\f[YhUb'kYfXYb'aigg"

#### < ]bhYf[ fØbXY i bX 9fa ]hh`i b[ Yb

XYg'F UXZU\fYfg'Ui Z'Y]bYb'a YX]n]b]gW\Yb'BchZU```cXYf'Y]b

J Yf\_Y\fgi bZU```ni fØW\_ni ZØ\fYb']ghž'k]fX'bcW\'Xi fW\'XUg

ni ghÀbX][Y'?ca a]ggUf]Uh'i bhYfgi W\h''`Gc`W\Y'\=bZcfa Uh]cbYb'g]bX

YbhgW\Y]XYbXž'i a 'Ui Zni \_`ÀfYbž'k]Y'À\b`]W\Y'J cfZÀ``Y']b'Ni \_i bZh

j Yf\]bXYfh'k YfXYb'\_ObbYb'''9g']gh'k]W\h][ ž'XUgg'X]Y''^2 ZZYbh`]W\\_Y]h

ØVYf'X]Y'9f[YVb]ggY'X]YgYf'9fa]hh`i b[Yb']bZcfa]Yfh'k]fXž'i a 'XUg

6Yk i gghgY]b'ZØf'G]W\Yf\Y]hgaU\\$bU\aYb'ni 'gW\ÀfZYb''

### =bZfUghfi \_hi f'i bX'F]g]\_Yb'ZØf'FUXZU\fYf

Driving the state of the state

#### 9]b BUWkfi Z'Ui Z'XUg @YVYb

CVk c\`XYf'BUa Y'XYg'J YfghcfVYbYb'b]Wh'j YfÒZZYbh`]Whk i fXYž Yf]bbYfh'X]YgYf'J cfZU```i bg'Ub'X]Y': fU[]`]hÀh'XYg'@YVYbg'i bX'X]Y F]g]\_Ybž'X]Y'FUXZU\fYf']a 'GhfU»Ybj Yf\_Y\f'Y]b[Y\Yb"'8]YgY HfU[ÒX]Y'gc``hY'U`g'K YW\_fi Z'ZØf'U``Y'X]YbYbž'X]Y'hÀ[`]Wh'Ui Z'nk Y] FÀXYfb'i bhYfk Y[g'g]bXž'a Y\f'J cfg]Whk U`hYb'ni '`UggYb'i bX'X]Y FU\a YbVYX]b[i b[Yb'ZØf'Y]bY'g]WhYfY': U\ffUXbi hni b['ni ZcfXYfb"

B5;

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