

#### BYi\cZYb. @Y]WXh\_fUZhfUXZU\fYf'VY] JYf\_Y\fgibZU````Y]WXh'jYf`Yhnh

I bUWk hgUa \_Y]h'Y]bYg'%\*! $\lambda$ \f][Yb'ZØ\fhY'ni 'Y]bYa JYf\_Y\fgi bZU``']b'BYi \cZYb"';  $\lambda$ V\_`]WkYfk Y]gY'bi f'`Y]Wk hY JYf`Yhni b[Yb"

# $JYf_Y\figi bZU^{})BYi \cZYb. @Y_h]cbYb^ZØf G]WXYfY]h^]a GhfU» Ybj Yf_Y\f$

BYI\cZYb'fkhgŁ

9]b J Yf\_Y\fgi bZU``ž'XYf'g]W\`Ua `A cbhU[ ž'XYb'%&"`5i [ i gh'&\$&( ž']b XYb 'ZfØ\Yb '5 VYbXghi bXYb 'YfY][ bYhYž'k ]fZh'Y]b '@]W\h'Ui Z'X]Y; YZU\fYb 'XYf'I bUW\hgUa \_Y]h']a `GhfU» Ybj Yf\_Y\f"`9]b '%\*!'À\f][ Yf: U\fYf'Y]bYg'@Y]W\h\_fUZhfUXg'k Uf'Ui Z'XYf'GhfYW\_Y'j cb 'BYi \cZYb]b 'F]W\hi b[ 'K U`XgYY'i bhYfk Y[ gž'U`g'Yg'ni 'Y]bYf'?c``]g]cb 'a ]h Y]bYa 'j cfUi gZU\fYbXYb': U\fnYi [ '\_Ua "'8]YgY'G]hi Uh]cb 'ghY``h b]W\h'bi f'Y]bYb'9]bnY`ZU```XUfž'gcbXYfb'j YfXYi h`]W\h'Y]b 'VfY]hYfYg DfcV`Ya 'XYf'J Yf\_Y\fgg]W\Yf\Y]hž'XUg'VYgcbXYfg'^\ b[ Y': U\fYf VYhf]ZZh"

#### I bZU``\Yf[ Ub[ 'i bX': c`[ Yb

8YfJcfZU``[YgWXU\žU`g`XUgʻ5i hcjcf`XYa '\ [YbX`]WXYb
UVVfYa ghYži a 'bUWX '`]b\_g']b'F]WX hi b['6UXYgYY'UVni V]Y[Yb"'8Yf
'\ b[Y: U\fYf`gWX\AhnhY'X]Y'JYf\_Y\fgg]hi Uh]cb'b]WX h'\_cffY\_h'Y]b\Z
VfYa ghY'i bni fY]WXYbX'fYWX hnY]h]['i bX'Zi\f'Ui Z'XUg'UbXYfY
: U\fnYi ['Ui Z''; `\ØW\_`]WXYfK Y]gY'j Yf`YhnhY'g]WX'XYf': U\fYf'XYg
@Y]WX h\_fUZhfUXg'bi f``Y]WX hi bX'nc['g]WX'Y]b][Y'GWX\ØfZk i bXYb'ni "
9g'YbhghUbX'Y]b'GUWXgWXUXYb'j cb'i b[YZ\\f'%) \$\$'9I F'Ub'VY]XYb

## 8]Y'6YXYi hi b['XYf JYf\_Y\fgg]WXYf\Y]hgV]`Xi b[

8]YgYf'I bZU```j YfXYi h`]W\h'X]Y'Bchk YbX][\_Y]h'j cb

JYf\_Y\fgg]W\Yf\Y]hgdfc[fUa a Ybž']bgVYgcbXYfY'ZØf''\h[Y': U\fYf
i bX': U\fYf]bbYb"'J]Y`Y'\lambda [YbX`]W\Y'VYg]hnYb'cZh'b]W\h'X]Y'bOh][Y

9fZU\fi b[ž'i a '\_f]h]gW\Y'JYf\_Y\fgg]hi Uh]cbYb'f]W\h][
Y]bni gW\AhnYb"'9g']gh'k]W\h][ž'XUgg'GW\i `Yb'i bX'; Ya Y]bXYb

k Y]hYfZØ\fYbXY'GW\i `i b[Yb'i bX'K cf\_g\cdg'UbV]YhYbž'X]Y'X]Y

FY\_c[b]h]cb'j cb'; YZU\fYb']a 'GhfU\yYbj Yf\_Y\f'ZOfXYfb"

## 5``[Ya Y]bY'9a dZY\`i b[Yb'ZØf''i b[Y JYf\_Y\fghY]`bY\a Yf

- 5 Wk hgUa \_Y]h']b'U``Yb'G]hi Uh]cbYb.'\$\dag{\text{b}} b[Y': U\fYf gc``hYb']a a Yf'Ui Za Yf\_gUa 'V`Y]VYb'i bX'X]Y
   ; YgWk ]bX][\_Y]h'UbdUggYbž'VYgcbXYfg'k Ybb'g]Y'UbXYfY
   : U\fnYi [Y'i a 'q]Wk'\UVYb"
- FY[Y`a À»][Y'GW\i`ib[Yb.'HY]`bU\a Y'Ub'?ifgYb'nif JYf\_Y\fgg]W\Yf\Y]h'\_Ubb'gY\f'\]`ZfY]W\'gY]bž'ia 'XUg 6Yk i gghgY]b'ZØf'JYf\_Y\fgfY[Y`b'ni 'gW\ÀfZYb"
- DfU\_h]gWX Y '9fZU\fi b[ . 'DfcVYZU\fhYb'i bhYf'5i Zg]W\h YfZU\fYbYf': U\fYf'g]bX'Y]bY'\]`ZfY]W\Y'A Ò[`]W\\_Y]hž J YfhfUi Yb'i bX': À\][ \_Y]hYb'Ui Zni VUi Yb"

#### Ni gUa a YbZUggi b[

8 Yf'l b ZU```]b 'B Yi \c ZY b ž'VY]'XYa 'Y]b '%\*!À\f][ Yf'Ui Z'Y]b '5i hc Ui Zi \fž']gh'b]W\h'bi f'Y]b '9]bnY`ZU``"'9f']gh'Y]bY'A U\bi b[ 'ni f : ÒfXYfi b[ 'XYf'GhfU» Ybj Yf\_Y\fgg]W\Yf\Y]h'i bhYf' i b[ Yb A YbgW\Yb"'9g']gh'YbhgW\Y]XYbXž'XUgg'k ]f'U`g'; YgY``gW\UZh g]W\YfghY``Ybž'XUgg' i b[ Y': U\fYf'X]Y'b Òh][ Yb'? Ybbhb]ggY'i bX: À\][ \_Y]hYb'Yfk YfVYbži a 'g]W\Yf'i bX'j YfUbhk cfhi b[ gVYk i ggh Ua 'GhfU» Ybj Yf\_Y\f'hY]`ni bY\a Yb"

#### 8 Y hU]`c

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