

### : Yi Yfk Y\f'9i g\_]fWXYb.: Ugn]b]YfYbXY : Yi Yfk Y\fU\_]cb'VY[Y]ghYfh; fc»'i bX ?`Y]b

9i g\_]fWXYbYfYfYVhYb`\Ui hbU\`X]Y`: Yi Yfk Y\f. : YhhYl d`cg]cbYbž'A ]ha UWXU\_h]cbYb`i bX`k ]WXh][Y =bZcfa Uh]cbYb`ZØf`a Y\f`G]WXYf\Y]h"

8]Y: Yi Yfk Y\f'9i g\_]fW\Yb'ghUbX'Ua 'j Yf[ Ub[ YbYb'K cW\YbYbXY ]a 'A]hhY`di b\_h'Y]bYg']bZcfa Uh]j Yb'5\_h]cbghU[ gž'XYf'j ]gi Y``
VYY]bXfi W\_YbXY'8Ya cbghfUh]cbYb'i bX'gdUbbYbXY'5\_h]j ]hÀhYb
Vch": Ua]`]Yb'i bX' hYfYgg]YfhY'\_cbbhYb'\Ui hbU\'Yf`YVYbž'k]Y'X]Y
9]bgUhn\_fÀZhY'a]h: Yi Yfb'i bX'; YZU\fYb'i a[Y\Yb"'9]bY
VYgcbXYfY'5hhfU\_h]cb'k Uf'Y]bY': YhhYl d`cg]cbž'X]Y'i bYfk UfhYhY
: `Ua a Yb']b'X]Y' < Ò\Y'gW\cgg'i bX'j ]Y`Y'Ni gW\Ui Yf'ghUi bYb'`]Y»"
8]YgY'j ]gi Y``Y'8UfghY``i b[ 'VYk]Yg'b]W\h'bi f'X]Y'; YZÀ\f`]W\\_Y]h
j cb'VfYbbVUfYa : Yhhž'gcbXYfb'Yf]bbYfhY'Ui W\'U``Y'5bk YgYbXYb
XUfUbž'k]Y'gW\bY``: Yi Yf'Ui »Yf'?cbhfc``Y'[ YfUhYb'\_Ubb"

A ]ha UW U\_h]cbYb i bX ]b Zcfa Uh]j Y J cfZØ\fi b[ Yb 8]Y J YfUbghU`hi b[ :: Yi Yfk Y\f`ni a :5bZUggYb :nc[ 'j ]Y`Y
A YbgWXYb 'Ubž'X]Y 'bch[ YXfi b[ Yb 'Ui WX 'j cb 'XYb 'B UWX ghY ``i b[ Yb k ]Y 'Y]bYa 'g]a i `]YfhYb 'N]a a YfVfUbX 'Ub[ YhUb 'k UfYb " '9]bY
BYVY`a UgWX]bY 'YfnYi [ hY 'X]WX hYb 'E i U`a ']b 'Y]bYa 'UV[ YXi b\_Y`hYb F Ui a ž'k À\fYbX'X]Y '; ÀghYž'Xi fWX 'K Àfa YV]`X\_Ua YfUg
Ui g[ YghUhhYhž'j Yfgi WXhYbž'Y]bY ', Vi b[ gdi ddY ']a 'F Ui WX 'ni
Z]bXYb " 8]YgY ']bhYfU\_h]j Y '9fZU\fi b[ 'j YfXYi h`]WXhYž'k ]Y 'gWXk ]Yf][
i bX '\YfUi gZcfXYfbX 'Yg'gY]b '\_Ubbž']b 'gc`WX 'Y]bYf'G]hi Uh]cb 'f]WXh][
ni 'fYU[ ]YfYb"

A Uf\_i g'BYi Vi f[ ž'XYf'ghY``j YfhfYhYbXY'@Y]hYf'XYf': Yi Yfk Y\f
9i g\_]fWXYbž'Yf\_`ÀfhY'XUg'N]Y``X]YgYf'J YfUbghU`hi b[ Yb. `K ]f
j YfUbghU`hYb'U``Y'nk Y] '\*J\fY'Y]bYb'gc`WXYb'\*bZchU[ ž'i a 'X]Y
6Øf[ Yf]bbYb'i bX'6Øf[ Yf'gck c\``ØVYf'i bgYfY'5fVY]h'U`g'Ui WX'ØVYf
\_cffY\_hYg'J Yf\U`hYb']a '; YZU\fYbZU``'Ui Zni \_`ÀfYb" '8UVY]'ghY\h
b]WXh'bi f'XYf'I a [ Ub[ 'a ]h': Yi Yf`ÒgWXYfb'Ui Z'XYa 'Dfc[ fUa a ž
gcbXYfb'Ui WX'5i Z\_`Àfi b[ 'ØVYf'X]Y'; YZU\fYb'i bX'X]Y'XmbUa ]gWXY
5i gVfY]hi b[ 'j cb'6fÀbXYb']b'K c\bfÀi a Yb"

### BUW k i W g i b X '9b[U[Ya Ybh 'ZØf 'X]Y G]W Yf \ Y]h 'XYf '6Øf[Yf

8]Y`nU\`fY]W\Yb`8YacbghfUh]cbYbž'gY]`Yg`XUg`@ÒgW\Yb`jcb6fÀbXYb`cXYf`XUg`BUj][]YfYb`]a 'jYffUi W\hYb`FUi až'kUfYb`b]W\hbif`ibhYf\U`hgUaž'gcbXYfb`gW\i`hY`X]Y`6Ygi W\Yf`Ui W\ž'kUg`]bBchZU``g]hiUh]cbYb`ni 'hib`]gh"`A]h`XYb`@ÒgW\ZU\fnYi[Yb`ibX`XYf

8 fY\`Y]hYfž'X]Y`VYgcbXYfg`VY]`XYb`?]bXYfb`VY`]YVh`g]bXž`gck ]Y XYb`UbgW\Ui`]W\Yb`\Dcfa Uh]cbYb`\cZZYb`X]Y`: Yi Yfk Y\f`Yi hYž XUgg`bcW\`a Y\f`BUW\k i W\g`ZØfg`9\fYbUa h`]b`XYf`: Yi Yfk Y\f VY[Y]ghYfh`k YfXYb`\_Ubb"

#### $9]bV^{M}Y^{M}bX]Y^{M}Y^{M}bVkYhf$

# 8]Y 6YXYi hi b[ XYf 5i Z\_`Àfi b[ ØVYf 6fUbXgWi hn

; YfUXY']b'Y]bYf'NY]hž']b'XYf']a a Yf'a Y\f'A YbgW\Yb']b'i fVUbYb; YV]YhYb'YVYbž']gh'X]Y'5i Z\_`Afi b['ØVYf'6fUbXgW\i hn'j cb Ybcfa Yf'K ]W\h][\_Y]h''8]Y': Yi Yfk Y\f'9i g\_]fW\Yb'bi hnh

J YfUbghU'hi b[Yb'k]Y'XYb'5\_h]cbghU['b]W\h'bi fži a '\delta Zcfa Uh]cbYb
ni 'j YfVfY]hYbž'gcbXYfb'Ui W\ži a 'Y]b'6Yk i gghgY]b'ZØf'dchYbn]Y'`Y
6fUbX[YZU\fYb'ni 'gW\UZZYb'''@Ui h'Y]bYf'I a ZfU[Y'XYg'8Yi hgW\Yb
: Yi Yfk Y\fj YfVUbXYg'fB: J \delta\_ObbhYb'fY[Y`a \handle \h

#### FY`Yj UbhY GhUh]gh]\_Yb i bX 8 UhYb ni

#### 6fUbXibZÀ``Yb

8]Y'GhUh]gh]\_Yb'nY][YbžXUgg'6fÀbXY']b'8Yi hgWX'UbX'bUWX'k]Y'j cf
Y]bY'Yfbgh\UZhY'; YZU\f'XUfghY'`Yb"@Ui h'XYa '8 Yi hgWX Yb
: Yi Yfk Y\fj YfVUbX'k i fXYb']a 'J\f'&\$&&a Y\f'U`g'&\$\$"\$\$\$
6fUbXY]bgÀhnY'Xi fWX'X]Y': Yi Yfk Y\fYb'Xi fWX[YZØ\fh"'8]Yg
Ybhgdf]WXh'Y]bYa '5bgh]Y['jcb'' i ']a 'JYf['Y]WX'ni a 'Jcf'U\f"
6YgcbXYfg'VYgcf[b]gYffY[YbX']ghž'XUgg'Yhk U'(\$i 'X]YgYf'6fÀbXY
]b'Df]j Uh\Ui g\U`hYb'ghUhhZUbXYbž'k Ug'X]Y'Bchk YbX][\_Y]h'jcb
5i Z\_`Àfi b[ga U» bU\a Yb'i bX'GWXi `i b[Yb'i bhYfghfY]WXh"'5i WX'X]Y
NU\`'XYf'j Yf'YhnhYb'DYfgcbYb']b': c`[Y'jcb'6fUbXi bZÀ``Yb'V`Y]Vh
U`Ufa ]YfYbX'' &\$&&'[UV'Yg'ØVYf'' ") \$\$'JYf`YhnhY'Ui Z[fi bX'jcb
6fÀbXYb"

## < ]ghcf]gWX Yf'? cbhYl h'i bX'9bhk ] $W_i$ b[ Yb']b XYf'6fUbXgWXi hnUi $Z_i$ Afi b[

 $< Yi hY ghY \Yb XYb : Yi Yfk Y \fYb b] Whibi f bYi Y @OgWk hY Wk b] Yb ni f J YfZØ[i b[ ž gc b XYfb 'Ui Wk 'a c XYfb Y '? ca a i b] _ Uh]c b ga ] hhY` ZØf X]Y 5 i Z_`Afi b[ "'8][ ]hU`Y 'A YX]Y b 'gd]Y`Yb 'Y]bY 'GWk `ØggY`fc ``Y ']b XYf \Yi h][ Yb '\b Zc fa Uh]c b gj YfV fY]hi b[ "'J YfUb ghU`hi b[ Yb 'k ]Y 'X]Y XYf : Yi Yfk Y \f '9 i g_]fWk Yb 'hfU[ Yb 'XUni 'VY]ž 'X]Y gY '\ ]ghc f]gWk Yb @Y \fYb ']b 'X]Y 'DfUl ]g 'i a ni gYhnYb 'i bX 'X]Y '6Yj O`_Yfi b[ 'U_h]j Y]bni VYn]Y \Yb "'8]Y 'GY b g]V]`]g]Yfi b[ 'XYf'^2 ZZYbh`]Wk _Y]h 'ZØf 6 fUb XgWk i hn '\ Uh 'gca ]h 'Y]bY '`Ub[ Y'; YgWk ]Wk hY 'i bX 'V `Y]Vh 'Y]b Yb hgWk Y]XYb XYf '5 gd Y_h 'XYf': Yi Yfk Y \ fUfVY]h"$ 

: Un]h i b X 5 i g V W Ui Z ni  $\emptyset$ b Zh][ Y 5 \_h]c b Y b

8]Y: Yi Yfk Y\f'9i g\_]fWXYb`\Uh'a ]h']\fYa '5\_h]cbghU[ 'Y]bY
D`UhhZcfa '[ YgWX UZZYbž'X]Y 'gck c\`'^1 b[ Y 'A YbgWXYb 'Ubgdf]WX h'U`g
Ui WX '6Yk i gghgY]b 'ZØf'6fUbXgWXi hnh\Ya Yb 'gWX ÀfZh'' 8]Y 'dcg]h]j Yb
FYU\_h]cbYb'j cb'6Ygi WXYfbž']bgVYgcbXYfY'j cb'?]bXYfb'i bX
\$\frac{1}{2}\delta f' \delta f'' \delta f''' \delta f'' \delta f'' \delta f'' \delta

8 YhU]`g

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