

## 5i ZfY[YbXY'Gd]Y`gnYbYb.': i » VU``!Fi bXY ]a '5i [i gh'&\$&( ']b'6UmYfb

8 ≈ '< U]b 'hf]hh 'Ua '%) "\$, "&\$&( '[ Y[ Yb '8 f]hh`][ ]gh '₺[ c`ghUXh Ub"'9]b '8 i Y``'j c``Yf 'GdUbbi b[ ']a '6UmYf]gW\Yb : i » VU``j YfVUbX°

 $8 ]Y `6Y[Y[bib['Z]bXYh'Ub'Y]bYa `VYa Yf_Ybgk YfhYb'HU['ghUhhž'XYfb]Wk h'bif'ZØf'X]Y `Gd]Y `Yfž'gcbXYfb'Ui Wk'ZØf'X]Y `5b\Åb[Yf'jcb6YXYi hib[']gh''8]Y `8?' < U]b'k]fX'U``Yg'XUfUb'gYhnYbž'XYbZUjcf]g]YfhYb'; Y[bYf'Uig'<math>\pm$ b[c`ghUXh'\YfUigniZcfXYfb''' $\pm$ b'gc`WkYbGd]Y`Yb']gh'cZh'XYf'K Yhh\_UadZ[Y]gh'Ua'[fÒ» hYbž'XU'X]YibhYf\_`Ugg][Yb'AUbbgWkUZhYb'X]Y'; Y`Y[Yb\Y]h'bihnYbž'ia'g]Wkni'VYkY]gYb'ibX'YjYbhiY```ZØf'Y]bY', VYffUgWkib['ni'gcf[Yb''

#### 6Y[Y[bib[YbibX'HYfa]bY

 X]Y'ni f'[`Y]W\Yb'NY]h'bUW\a ]hhU[g'Ub[YdZ]ZZYb'k YfXYb"'Gc'gd]Y`Yb i bhYf'UbXYfYa '<i hh\i fa '[Y[Yb'I bhYf\UW\]b['i bX'H\U`\cZYb [Y[Yb'%, \*\$'A ØbW\Yb"'8]Y'VfY]hY'DU`YhhY'Ub'5bgYhni b[Yb'`Àggh XUfUi Z'gW\`]Y» Ybž'XUgg': i » VU``ZUbg']b'XYf'FY[]cb'Y]b][Yg'ni Yfk UfhYb'\UVYbž'a ]h'XYf'A Ò[`]W\\_Y]hž']\fY'@]YV`]b[ghYUa g'ni i bhYfghØhnYb"

, VYf`X]Y`[YgUa hY`YfghY`FibXY`\]bk Y[ž`X]Y`Ua `\*"5i[igh`&\$&(VY[]bbhž`g]bX`nU\`fY]W\Y`Gd]Y`Y`Ub[YgYhnhž`X]Y`gck c\``GdUbbib[U`g`Ui W\`: fYi XY`Vf]b[Yb"`\XYg`X]YgYf`Gd]Y`Y`\_ObbhY`]b`X]Y
5bbU`Yb`XYg`5a UhYi fZi » VU``g`Y]b[Y\Yb"`8]Y`9f[YVb]ggY`k YfXYbb]W\h'bi f`X]Y`bAW\ghYb`FibXYb`YbhgW\Y]XYbž`gcbXYfb`Ui W\`X]Y
5a V]h]cbYb`XYf`A UbbgW\UZhYb`ZØf`X]Y`\_ca a YbXY`GU]gcbUi ZhY][Yb"

8 Yf:: i » VU``j YfVUbX`\Uh`VYfY]hg`NY]hYb`i bX`C fhY`XYf`Gd]Y`Y
ZYgh[ Y`Y[ hž'k cVY]'U``Y`Gd]Y`Y`]b`XYb`5VYbXghi bXYb`ghUhhZ]bXYb"
8 ]YgY`gdÀhYb`5bghc» nY]hYb`XØfZhYb`XYb`Ni gW\Ui Yfb`X]Y
A Ò[`]W\\_Y]h`[ YVYbž'bUW\`XYf`5fVY]h`Y]b`Gd]Y``ni `VYgi W\Ybž'k Ug
X]Y`Ni gW\Ui YfnU\`Yb`Yf\Ò\Yb`\_ÒbbhY"

### JcfZfYi XY'i bX'9fk Ufhi b[Yb

 $6 YgcbXYfg'X]Y'8?'<U]b'ZfYih'g]WX'UiZ'X]Y'VYjcfghY\YbXY \\ 6 Y[Y[bib['Ua''%)'''5i[igh'''9g']gh'Y]bY'; Y'Y[Yb\Y]hž'X]Y'Y][YbYb : A\][_Y]hYb'ibhYf'6YkY]g'ni'ghY``Yb'ibX'[Y[Yb'Y]bYb'ghAf_YfYb ; Y[bYf'UbnihfYhYb'''Gc`WXY'Gd]Y`Y'g]bX'cZh'XUg'<][\`][\h'ZØf Gd]Y`Yf'ibX':Ubg'['Y]WXYfaU\"Yb'''; `Y]WXYg'[]`h'ZØf'XYb':7 \&[c`ghUXhž'XYf'U`g':Ujcf]h']b'X]Y'DUfh]Y'[Y\Yb'k]fX'''5VYf'XYf 8 fi W_'k]fX'b]WXh'bif'UiZ'XYb'GWXi`hYfb'XYf'8?'<U]b'`]Y[Ybž gcbXYfb'UiWX'UiZ'XYbYb'XYf'\&[c`ghAXhYfz'X]Y']\fYf'Fc``Y'[YfYWXhkYfXYb'a ØggYb''$ 

Ni gàhn`]W\Y`DUfh]Yb`]bbYf\U`V`XYg`Hi fb]Yfg`k YfXYb`YVYbZU``g`j cb 6YXYi hi b[ 'gY]bž'XU'g]Y`XYb'JYf`Ui Z'XYf'@][ U'i bX`XYb'D`Uhn']b'XYf bàW\ghYb'Fi bXY'VYY]bZi ggYb"'8]Y`HUhgUW\Yž'XUgg`Ua '&\$"'5i [ i gh Y]bY`FY]\Y`k Y]hYfYf`Gd]Y`Y`Ub[ YgYhnh'g]bXž'nY][ hž'k ]Y`U\_h]j 'XYf VUmYf]gW\Y`: i » VU``j YfVUbX'hÀh][ ']ghži a 'XYb': i » VU```]b'XYf FY[]cb'j cfUbni Vf]b[Yb'i bX'XYb'\_`Y]bYfYb'JYfY]bYb'Y]bY D`UhhZcfa 'ni 'V]YhYb"

#### 8Yf'BYfjYb\_]hnY`'XYg'Dc\_U`g

 $= a \cdot Dc_U \cdot a \cdot c \times i \cdot g \cdot z' \cdot b \cdot X \cdot Y \cdot X \cdot Y \cdot G \cdot Y \cdot [Y[bib[ \cdot \emptyset V Y f' - \$ \cdot A] bih Y b \cdot i b X \cdot Y j Y b h i Y \cdot Y \cdot Y b h j W \cdot Y b h j W \cdot Y y h j W \cdot Y y h j$ 

### 

±b 'XYb '`YhnhYb '≯J\fnY\bhYb '\Uh'6UmYfb 'b]W\h'bi f'Y]bY'J]Y`nU\``j cb 5a UhYi fj YfY]bYb '\Yfj cf[ YVfUW\hž'gcbXYfb 'Ui W\ 'Hcd! DfcZ]a UbbgW\UZhYb'k]Y 'XYb': 7'6UmYfb'A ØbW\Yb'i bX'XYb''': 7

BØfbVYf["'8]YgY'A UbbgW\UZhYb'\UVYb'b]W\h'bi f']b'8Yi hgW\`UbXž gcbXYfb'Ui W\']bhYfbUh]cbU`'ZØf'5i ZgY\Yb'[Ygcf[h"'6Y]'XYb 5a UhYi fj YfY]bYb']gh'X]Y'5bnU\`'XYf'HY]`bY\a Yf'Ub'@[[Ugd]Y`Yb\_cbh]bi ]Yf`]W\'[Yk UW\gYbž'k Ug'X]Y'\c\Y'Dcdi `Uf]h\h'i bX'XUg 9b[U[Ya Ybh'XYf': Ubg'k ]XYfgd]Y[Y`h''K Y]hYfY'\Dcfa Uh]cbYb'\ØVYf X]Y'; YgW\]W\hY'XYg'6: J'i bX'XYb'VUmYf]gW\Yb': i » VU``'Z]bXYb'G]Y Ui Z'XYf'K YVgY]hY'XYg'6UmYf]gW\Yb': i » VU``j YfVUbXg"

# GhUh]gh]gWX Y '9]b V `]W\_Y ']b 'XYb 5a UhYi fZi » VU``

8]Y 8 UhY b 'nY][Yb'Ui WX ž'XUgg']b'VUmYf]gWXYb
5a UhYi fa UbbgWX UZhYb'Y]b'VYXYi hYbXYf'HY]''XYf'Gd]Y'Yf'Ui g'XYf
FY[]cb'ghUa a hž'k Ug'X]Y'JYfV]bXi b['nk]gWXYb'XYb'JYfY]bYb'i bX
]\fYb'; Ya Y]bgWX UZhYb'i bhYfghfY]WX h"'8]YgY'GhUh]gh]\_Yb'VY'Y[Yb
X]Y'J]hU`]hÀh'XYg': i » VU``g']b'6UmYfbž'k c'VY]gd]Y`gk Y]gY'X]Y'`c\_U`Y

\*XYbh]hÀh'i bX'X]Y'@Y]XYbgWX UZh'ZØf'XYb'Gdcfh'ghUf\_'Ui g[YdfÀ[h
g]bX"'; YbUi YfY' \*bZcfa Uh]cbYb'ni 'XYb'A]h[`]YXYfnU\`Yb'i bX
k Y]hYfYb'GhUh]gh]\_Yb'\_ObbYb'Ui Z'XYf'6: J!< ca YdU[Y'UV[Yfi ZYb

## 5\_hi Y``Y'< YfUi gZcfXYfi b[Yb']a 5a UhYi f7i » VU``

Hfchn'XYf'dcg]h]j Yb'9bhk ]W\_`i b['g]Y\h'g]W\'XYf'5a UhYi fZ » VU```]b 6UmYfb'Ui W\'< YfUi gZcfXYfi b[Yb'[Y[YbØVYf"'8]Y'Z]bUbn]Y``Y I bhYfghØhni b['ZØf'\_`Y]bYfY'JYfY]bY'k]fX'ni bY\a YbX'gW\k]Yf][Yfž]bgVYgcbXYfY'bUW\'XYb'Z]bUbn]Y``Yb'6Y`Ughi b[Yb'Xi fW\'X]Y 7CJ=8!%-!DUbXYa]Y"'J]Y`Y'JYfY]bY'\_Àa dZYb'XUfi a ž']\fY

Ghfi \_hi fYb'Ui ZfYW\hni Yf\U`hYb'i bX'X]Y'6Yhf]YVg\_cghYb'ni
XYW\_Yb"'GdcbgcfYb'i bX'`c\_U`Y'I bhYfbY\a Yb'gd]Y`Yb'Y]bY
YbhgW\Y]XYbXY'Fc``Y']b'XYf'Z]bUbn]Y``Yb'GhUV]`]h\\\hz'UVYf'X]Y
I bg]W\Yf\Y]hYb']b'XYf'K ]fhgW\UZh'ghY``Yb'Y]bY'<YfUi gZcfXYfi b[XUf"

9VYbZU``gʻ]gh'X]Yʻ; Yk]bbi b[ˈj cb'Y\fYbUa h`]W\Yb'<Y`ZYfb'i bX
HfU]bYfb'Y]b'k]W\h][Yf': U\_hcf'ZØf'XYb'`Ub[Zf]gh][Yb'9fZc`['XYf
JYfY]bY"'8Yf'6: J'\Uh'Dfc[fUa a Y']bg'@YVYb'[Yfi ZYbži a 'X]Y
5i gV]`Xi b['j cb'HfU]bYfb'i bX'GW\]YXgf]W\hYfb'ni 'ZÒfXYfb'i bX'i a
g]W\Yfni ghY``Ybž'XUgg'X]Y'Ei U`]h\h'XYg': i » VU``g'Ui W\']b'XYb
i bhYfYb'@[Yb'\cW\'V`Y]Vh''8]Y'Bchk YbX][\_Y]h\z'XYb
[YgY``gW\UZh`]W\Yb'Ni gUa a Yb\U`h'ni 'ZÒfXYfb'i bX'XYb
\$\forall [\hat{Ab}[\cdot]W\'ni 'a UW\Yb\z'V`Y]Vh'Y]b'nYbhfU`Yg'N]Y`\z'i a
XYb': i » VU```]b'6UmYfb'`YVYbX]['ni '\U`hYb'''@Ògi b[Yb'\]Yfni
k YfXYb'Ui Z'XYf'6: J!K YVg]hY'X]g\_i h]Yfh'i bX'j cf[YghY``h''

8 Y hU]`g

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