

## GdYffi b[Yb i bX J Yfk]ffi b[. F UX ZU\fYf\_Aa d ZYb i a l a `Y]hi b[ ]b A Ø\`\Y]a

FUXZU\fYf'nk]gWXYb'A Ø\`\Y]a 'i bX'CZZYbVUWX 'a ØggYb Ui Z[fi bX'j cb'6Ui UfVY]hYb'i bX'6Ui a ZÀ``i b[Yb I a `Y]hi b[Yb'a Y]XYb' 'U\_hi Y``Y'\DZcfa Uh]cbYb'ni f G]hi Uh]cb"

±0 A Ø\`\Y]a `]gh'F UXZU\fYb'ni fnY]h'Y]bY'< YfUi gZcfXYfi b["'8]Y 6fØW\_Y'ØVYf'X]Y'6i bXYgghfU» Y'((, ž'X]Y'bcfa U`Yfk Y]gY'Y]bY X]fY\_hY'J YfV]bXi b['nk]gW\Yb'A Ø\`\Y]a 'i bX'C ZZYbVUW\'V]YhYhž']gh k Y[Yb'i a ZUggYbXYf'GUb]Yfi b[gUfVY]hYb'gY]h'A ]hhY'⅓ b] [YgW\`cggYb"'8cW\'XUg']gh'b]W\h'X]Y'Y]bn][Y'< ØfXY'ZØf'F UXZU\fYfi bX':i»[Àb[Yf.'8]Y'U`hYfbUh]j Y'I a `Y]hi b[ž'X]Y'j cb'XYb 6Y\ÒfXYb'Y]b[Yf]W\hYh'k i fXYž']gh'YVYbZU``g'VYhfcZZYb'j cb 6Ui ghY``YbU\_h]j ]hÀhYb']a 'A Ø\`\Y]a Yf'K U`X"

8]Y'DfcV'Ya Uh]\_'YbhghUbXž'U`g'XUg': cfghUa h'@Ub[Yb'Ua 'bYi Yb I a 'Y]hi b[gk Y['6Ui a ZÀ``UfVY]hYb'VY[Ubbži a 'hchY'6Ài a Y'ni YbhZYfbYb'i bX'XYb'K U`X'ni 'j Yf'Øb[Yb''8]YgY'5fVY]hYbž'gc FYj ]YfZÒfghYf'H]``'6Ui a \ÒZbYfž'gc``hYb'Y][Ybh`]Wk']bbYf\U`V'j cb Yhk U'nk Y]'K cWkYb'UV[YgWk`cggYb'gY]b'''5``YfX]b[g'[UV'Yg hYWkb]gWkY'GWkk]Yf][\_Y]hYb'a ]h'XYa 'j Yfk YbXYhYb <c`nj c``YfbhYfž'X]Y'X]Y'5fVY]hYb'VY\]bXYfb'''A UfgWk]YfYbXYb :i »[Àb[Yfb'i bX'FUXZU\fYfb'Xfc\Yb'XUVY]'ni gÀhn`]WkY I bg]WkYf\Y]hYbž'XU'Ui Wk'X]Y'I a `Y]hi b['fY[Y`a À»]['[YgdYffh k]fX''

## JYfk |ffi b| i bhYfFUXZU\fYfb

8]Y 'J Yfk ]ffi b[ 'ØVYf'X]Y 'G]hi Uh]cb 'j cf'Cfh']gh'j YfghÀbX`]WX " A Ø\`\Y]a Yf'6Øf[ Yf]bbYb'i bX'6Øf[ Yfž'k ]Y 'X]Y 'cfhg\_i bX][ Y '9f]\_U

 $F ] hn `ž' V Y f ] WX hY b `j cb `l b U b b Y \setminus a `] WX _ Y ] hY b `U i Z'] \setminus f Y b `[ Y k c \setminus b h Y b K Y [ Y b " <math>\Rightarrow$  WX `\ U V Y 'j ] Y `Y `F U X Z U \ f Y f `[ Y h f c Z Z Y b ž' X ] Y `b ] WX h 'a Y \ f k i ggh Y b ž' k ] Y `g] Y `k Y ] hY f \_ ca a Y b `gc ``h Y b ž' V Y g WX f Y ] V h `g] Y `X] Y G ] hi U h ] c b " `J ] Y `Y `A Y b g WX Y b `g] b X `U i Z' X ] Y g Y `Gh f Y W\_Y b `U b [ Y k ] Y g Y b ž i a `n i f `5 f V Y ] h `n i `[ Y `U b [ Y b " `F ] hn ``gY `V g h `b i hn h `n i f n Y ] h `Y ] b Y U `h Y f b U h ] j Y `F c i h Y ž' X ] Y `g] Y `U b `X Y f `V Y \_ U b b h Y b `; U g h g h À h h Y ` N i f ? À g a \ \ ` ` j c f V Y ] Z \ h h "

8]Y 5i ZZcfXYfi b['ni f'Bi hni b['Y]bYf'I a `Y]hi b[ž'X]Y 'hUhgÀW\`]W\b]W\h'dUgg]YfVUf']ghž'ZØ\fh'ni 'VYfYW\h][hYa 'I ba i h'' K Ufi a 'k]fX Y]bY'9fgUhnghfYW\_Y'Y]b[Yf]W\hYhz'k Ybb'g]Y'XUbb'[`Y]W\'k]YXYf [YgdYffh']gh3 ž'ZfU[h'F]hn`'i bX'd`ÀX]Yfh'XUZØfz'XUg'5VgdYffVUbX'UbX'UbXYb'K cW\YbYbXYb'ni 'YbhZYfbYbz'k Ybb'\_Y]bY'5fVY]hYb ghUhhZ]bXYb'' =\D'XYb'`YhnhYb'HU[Yb'k Uf'X]Y'I a `Y]hi b['XUi Yf\UZh [YgdYffhz'c\bY'XUgg']f[YbXk c'A UgW\]bYb'ni 'gY\Yb'k UfYb''

8]Y'G]hi Uh]cb']gh'XYa :: cfghUa h'VY\_Ubbh"'6Ui a \ÒZbYf'Yf\_`Àfhž XUgg'<c`nYfbhYcdYfUh]cbYb']a a Yf'a ]h'[Yk]ggYb'F]g]\_Yb j YfVi bXYb'gY]Yb"'GY`Vgh'k Ybb'\_Y]bY'A UgWk]bYb'i bhYfk Y[g'g]bXž gY]'Yg'[YZÀ\f`]Wkž'XU'ŸghY'UVVfYWkYb'i bX'Ui Z'XYb'K Y['ZU``Yb\_ObbhYb"'Jcf'X]YgYa '<]bhYf[fi bX'k]fX'XUni '[YfUhYbž'Ui Wk'VY] j Yfa Y]bh`]Wk'fi \][Ya 'K YhhYf'X]Y'5VgdYffi b[Yb'ghf]\_h'ni VYUWk hYb"

## ?c``UVcfUh]cb i bX a ]ggj YfghAbX`]WXY ?ca a i b]\_Uh]cb

9]bY'k YgYbh`]WXY'EiY``Y'XYf'DfcV`YaY'k Uf'cZZYbVUf'Y]b
A ]ggj YfghÀbXb]g'nk ]gWXYb'< YggYb'AcV]`'i bX'XYa': cfghUah''6Y]
XYf'D`Ubi b['XYf'I a `Y]hi b['k Uf'XUg': cfghUah'b]WXh']a 'cZZ]n]Y``Yb
5b\Òfi b[gj YfZU\fYb'VYfØW\_g]WXh][h'k cfXYbž'k Ug'ni 'XYf
i b['ØW\_`]WXYb', VYfgWXbY]Xi b['XYf'6Ui ghY``Yb'ZØ\fhY'' K]f
XUWXhYbž'XUgg'U``Y'fY`Yj UbhYb' & Zcfa Uh]cbYb'ni f
JYf\_Y\fgZØ\fi b['ghÀXh]gWX'k Y]hYf[Y[YVYb'k YfXYb ž'Yf`Ài hYfh'Y]b
GdfYWXYf'j cb'< YggYb'AcV]`"'8 Ug': cfghUah'k]fX']b'Ni\_i bZh']b'X]Y
D`Ubi b[Yb'Y]bVYnc[Ybž'i a 'gc`WXY'?cbZ']\_hY'ni 'j Yfa Y]XYb"

 $8]Y.5fVY]hYb.Ub.XYf.6f@W\underline{Y}.g]bX.V]g.9bXY.8YnYa.VYf.[Yd.Ubh".6]g$ 

XU\]b'a ØggYb'g]W\'X]Y'JYf\_Y\fghY]`bY\a Yf'Ui Z'ŸbXYfi b[YbY]bghY``Yb'i bX'U`hYfbUh]j Y'Fci hYb']b'6YhfUW\h'n]Y\Yb"'8]Y6Y\ÒfXYb'V]hhYb'i a 'JYfghÀbXb]g'i bX'; YXi `Xž'k À\fYbX'X]Y<YfUi gZcfXYfi b[Yb'XYf'6Ui ghY``Yb'[Ya Y]bgUa 'VYk À`h][hk YfXYb"

8]Y'U\_hi Y``Y'G]hi Uh]cb']b'A Ø\`\Y]a 'nY][ hžk]Y'k]W\h][ 'Y]bY'dfÀn]gY i bX'fYW\hnY]h][ Y'?ca a i b]\_Uh]cb'nk]gW\Yb'j YfgW\]YXYbYb 
Ÿa hYfb']ghži a 'I bUbbY\a`]W\\_Y]hYb'ZØf'X]Y'6Øf[ Yf'ni j Yfa Y]XYb"'K À\fYbX'X]Y'GUb]Yfi b[ gUfVY]hYb'Ub'XYf'6fØW\_Y 
ZcfhgW\fY]hYbž'V`Y]Vh'UVni k UfhYbž'k]Y'gW\bY```X]Y'I a `Y]hi b[ k]YXYf'bi hnVUf'gY]b'k]fX"

8 Y hU]`q

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'X]Y!bUWX f]WX hYb "bYh