

## H]a 'K U`n. '< Uff]g 'K U\` 'ZØf'VfY]hYfY K À\`YfgW\UZh']a DfÀg]XYbhgW\UZhgk U\`\_Ua dZ

?Ua U`U'<Uff]g'k À\`h'H]a 'K U`n'U`g'J]nYži a 'Gk]b[!GhUhYg'ni [Yk]bbYb"'9]b'?ca a YbhUf'j cb'H\cfghYb'?bi Z']b'XYf 6Yf`]bYf'A cf[Ybdcgh"

? Ua U`U'< Uff]g'k À\`h'H]a 'K U`n'U`g J ]nYdfÀg]XYbhgW\UZhg\_UbX]XUhYb

6Yf`]b'fbhgŁ

K U\`Yb`U`g`K YbXYdi b\_h`ZØf`X]Y 8 Ya c\_fUhYb

#ba ]hhYb XYf g]WX ni gd]hnYb XYb 'dc `]h]gWX Yb '@Ub XgWX UZh XYf
J YfY]b][ hYb 'GhUUhYb '\ Uh'? Ua U`U' < Uff]gž X]Y
DfAg]XYb hgWX UZhg\_Ub X]XUh]b 'XYf '8 Ya c\_fUh]gWX Yb 'DUfhY]ž ]\ fYb
J ]nYdfAg]XYb hYb 'Ui g[ Yk A\ `h" '8 Yf'; ci j Yfb Yi f'j cb 'A ]b b Ygc hUž
H]a 'K U`nž k ]fX ']\ fY 'K U\ `\_Ua d ZghfUhY[ ]Y 'i b hYfghØhnYbž k A\ fYb X
g]WX 'X]Y 'DUfhY] 'Ui Z'X]Y 'VU`X 'VYj cfghY\Yb XYb 'K U\ `Yb ']a
B cj Ya VYf 'j cfVYfY]hYh" '8 ]YgY '9 b hgWX Y]Xi b[ '\_ObbhY 'ZØf 'X]Y
8 Ya c\_fUhYb 'Y]bYb 'Yb hgWX Y]XYb XYb '9]bZi gg 'Ui Z'XUg
K U\ `[ YgWX Y\Yb '\ UVYbž ']bgVYgcbXYfY ']b 'XYb 'i a \_Aa d ZhYb 'Gk ]b[!
GhUhYgž X]Y 'VY] 'XYb 'K U\ `Yb 'c Zh XYb '5i ggWX `U[ '[ YVYb"</pre>

8]j Yfg]Z]n]Yfi b[ $^{\prime}$ XYf $^{\prime}$ K  $^{\prime}$ A $^{\prime}$ YfgW\UZh

 $\label{eq:continuity} K\ U`n\check{z}`XYf`U`g`@Y\fYf`Ui\ g[\ YV]`XYh`k\ i\ fXY`i\ bX`ZØf`gY]bY$ 

VcXYbghÀbX][Y'5fh'VY\_Ubbh']ghž'k i fXY'Ui g[Yk À\`hži a 'Y]bY VfY]hYfY'K À\`YfgW\UZh'Ubni gdfYW\Yb"8]Yg'\_ObbhY']bgVYgcbXYfY ZØf'i bYbhgW\`cggYbY'K À\`Yf'j cb'6YXYi hi b['gY]bž'X]Y'V]g\Yf i bg]W\Yf'g]bXž'cV'g]Y'XYb'8Ya c\_fUhYb'VY]'XYb'\_ca a YbXYb K U\`Yb']\fY'Gh]a a Y'[YVYb'k c``Yb"'8]Y'K U\`'j cb'K U`n'nY][hž XUgg'<Uff]g'g]W\'b]W\h'bi f'Ui Z']\fY'<Yf\_i bZh'Ui g'?U`]Zcfb]Yb ghØhnhž'X]Y'a UbW\a U``U`g'Y`]hÀf'k U\f[Ybca a Yb'k]fX"'J]Y`a Y\f gi W\h'g]Y'Y]bY'JYfV]bXi b['ni 'XYb'Y]bZUW\Yb'K À\`Yfbž'i a 'X]Y i bhYfgW\]YX`]W\Yb'gcn]U`Yb'GW\]W\hYb'XYf'; YgY``gW\UZh Ubni qdfYW\Yb"

## 8]Y'<YfUi gZcfXYfi b['XYf'dc`]h]gWXYb 6chgWXUZh

 $Hfc hn `X] Yg Yf `ghf Uh Y[ ]g W Yb `9b hg W Y] Xib[ `gh Y h `X Ug `8 ic < Uff] g \# K U `n 'j cf `Y] b Yf `V Y X Yi h Yb X Yb `< Yf Ui g Zcf X Yf ib[ " `9g `V `Y] Vhib _`Uf ž 'k Y `W Y `b Yi Yb `dc `]h ]g W Yb `? cbn Yd h Y `g] Y `Ø V Yf `X] Y `V Yf Y] hg Yh U V `] Yfh Yb `Dcg]h ]cb Yb `X Yf `6] X Yb ! F Y[ ] Yf ib[ `\ ]b Ui g 'j Yfh f Yh Yb k c ``Yb " K À\ f Yb X `g] Y `U`g `? cbh] bi ]h Àh `nif `f `Yhm] [ Yb `F Y[ ] Yf ib[ `ib X U`g '_`Uf Y `5`h Yfb Uh] j Y `ni `8 cb U`X `Hf ia d `Ui Zh f Yh Yb ž 'k ] f X `] \ f `9f Zc`[ Ui W X `X Uj cb `UV \ Àb [ Yb ž c V `g] Y `_` `Uf Y `ib X `Ø V Yfn Yi[ Yb X Y 5 bh k cfh Yb `Ui Z X] Y : f U [ Yb `X Yf `K À\ `Yf ``] Y Z Yf b `_ Obb Yb "$ 

## 8YfKY[ ]b X]Y Gk ]b[!GhUhYg

K U`n '< Y]a UhghUUh`A ]bbYgchU'\_ÒbbhY']b'X]YgYa 'K U\`nm\_`i g'j cb [fc» Yf'6YXYi hi b[ 'gY]bž'XU'Yf'XUni 'VY]hfU[ Yb'\_Ubbž'X]Y I bhYfghØhni b[ ']b'YbhgW\Y]XYbXYb'Gk ]b[!GhUhYg'ni '[ Yk ]bbYb" Gk ]b[!GhUhYg'g]bX'6i bXYgghUUhYbž']b'XYbYb'X]Y'K À\`Yfgh]a a Yb nk ]gW\Yb'XYb'VY]XYb'[ fc» Yb'DUfhY]Yb'gW\k Ub\_Ybž'k Ug'g]Y'ni GW\`ØggY`fY[ ]cbYb'ZØf'XYb'K U\`g]Y[ 'a UW\h"'8Yf'9fZc`[ 'j cb'<Uff]g i bX'K U`n'k ]fX'XU\Yf'Ui W\`XUfUb'[ Ya YggYbž'cV'g]Y']b'XYf'@U[ Yg]bXž'K À\`Yf'j cb'XYf'Bchk YbX][ \_Y]h'Y]bYg'K YW\gY`g'ni ØVYfnYi [ Yb"

## : Un]h

8]Y '9bhgWX Y]Xi b[ž'H]a 'K U`n'U`g'J]nYdfÀg]XYbhYb'ni 'k À\`Ybž
nY][hž'XUgg'X]Y '8 Ya c\_fUhYb'j Yfgi WX Ybž'g]WX 'Ub'X]Y '6YXØfZb]ggY
XYf'K À\`YfgWX UZh'Ubni dUggYb'i bX'Y]bY'VfY]hYfY'6Ug]g'ni
gWX UZZYb"'5b[Yg]WX hg'XYf'UbghY\YbXYb'K U\`Yb'k]fX']\fY
: À\][\_Y]hž'X]YgY'GhfUhY[]Y'YfZc`[fY]WX'i a ni gYhnYbž'YbhgWXY]XYbX
gY]b'ZØf'X]Y'Ni \_i bZh'XYf'8 Ya c\_fUh]gWXYb'DUfhY]"'J cf'XYb'K U\`Yb
]a 'Bcj Ya VYf'V`Y]Vh'X]Y': fU[Yž'k]Y'YZZY\_h]j 'g]Y']\fY'6chgWX UZhYb
\_ca a i b]n]YfYb'i bX'k Y`WXY'H\Ya Yb'g]Y'Ui Z[fY]ZYb'k YfXYbž'i a
X]Y'K À\`Yf'ni 'a cV]`]g]YfYb"

.

8 YhU]`g

6Ygi WXYb G]Y i bg Ui Z. a Y]b!VYf`]b "bYh