

: Ugn]b]YfYbXY ; c hhYgUbVYhYf]bbYb.
6Øf[Yf`a Y`XYb`F Y_c fX!G]W\ hi b[Yb`]b
K]hhYbVYf[

⇒ a Yf`a Y\`f`G]W\ hi b[Yb`j cb` ; c hhYgUbVYhYf]bbYb`]a
@UbX_fY]g`K]hhYbVYf[.`A Y`XYb`G]Y` ⇒ fY`6YcVUW\ hi b[Yb`ZØf
XYb`BUhi fgW\ i hn`

K]hhYbVYf[#A N` `⇒`YmhYf`NY]h`YfZFYi Yb`g]W\`X]Y`gc[YbUbbhYb
; c hhYgUbVYhYf]bbYb`]a a Yf`[fØ» YfYf`6Y`]YVh\Y]h`]a `@UbX_fY]g
K]hhYbVYf[" : chc`g`X]YgYf`ZUgn]b]YfYbXYb`⇒bgY_hYbž`X]Y`]b` ; ÅfhYb
cXYf`k Å\`fYbX`GdUn]Yf[Åb[Yb`[Yg]W\`hYh`k YfXYbž`[Yk]bbYb`Ui Z
gcn]U`Yb`A YX]Ybž`]bgVYgcbXYfY` : UWVcc_ž`ni bY`a YbX`Ub
5i Za Yf_gUa _Y]h`"8]YgY`VchUb]gW\Yb`GW`Öb\`Y]hYb`g]bX`b]W\`h`bi f
Y]b`5bV`]W`_ZØf`BUhi f`]YV\UVYfž`gcbXYfb`\UVYb`Ui W\`XUg
⇒hYfYggY`XYg`@UbXYgUa hg`ZØf`I a k Y`hgW\`i hn`[Yk YW_hž`XUg`X]Y
6Yj Ö`_Yfi b[`ni`6YcVUW\`hi b[Yb`i bX`A Y`Xi b[Yb`Ui Zfi Zh`

⇒ `Y\`f`&\$&` `k i fXY`Y]b`VYa Yf_Ybgk YfhYf`F Y_c fX`Ui Z[YghY`h
⇒g[YgUa h` " &\$`G]W\`hi b[Yb`j cb` ; c hhYgUbVYhYf]bbYb`k i fXYb
[Ya Y`XYh`"8]Yg`Ybhgd]W\`hXYa ` \ÖW`ghYb`K YfhigY]h`6Y[]bb`X]YgYf
9fZUggi b[Yb`ž`a]h`Y]bYa ` _cbghUbhYb`5bgh]Y[`ØVYf`X]Y`YmhYb`j]Yf
Y\`fY`"8]Y`6Øf[Yf]bbYb`i bX`6Øf[Yf`j cb`GUW\`gYb!5b\`U`h`\UVYb
U_h]j `XUni `VY][YhfU[Ybž`X]YgY`VYY]bXfi W_YbXY`8UhYba Yb[Y`ni
gUa a Y`bž`X]Y`ZØf`XUg`@UbX`j cb`[fc» Yf`6YXYi hi b[`]gh`

6YXYi hi b[`XYf`A Y`Xi b[Yb`ZØf`XYb
BUhi fgW\ i hn

8]YgY`G]W\`hi b[Yb`g]bX`b]W\`h`bi f`Y]bY`ghUh]gh]gW\`Y`?i f]cg]hÅh`"G]Y
`]YZYfb`k]W\`h[Y`8UhYb`ZØf`k]ggYbgW\`UZh]W\`Y`Ghi X]Yb`i bX`XYb
BUhi fgW\`i hn`"8]Y` ⇒Zcfa`Uh]cbYb`hfU[Yb`XUni `VY]ž`X]Y`F chYb`@]ghYb

XYf[YZÀ\XYhYb'5fhYb'ni'U_hi'U']g]YfYb'gck]Y'X]Y'JYfVfY]hi b['XYf
; chhYgUbVYhYf]b]b'GUWgYb!5b\U'h'ni'Xc_i a Ybh]YfYb"8]Y
-bgY_hYb'g]bX'a]hhYfk Y]'Y'V]g'ni f'A]hhY'XYg'6i bXYg'UbXYg
j YfVfY]hYhž'a]h'Y]bYa'_'UfYb': c_i g'Ui Z'X]Y'GhAXhY'<U'VYfghUXhž
A U[XYVi f['i bX'K]hhYbVYf["

8]Y'6]c`c[]b'A UfW'`GYmf]b['j ca '@UbXYgUa h'ZØf'l a k Y`hgW'i hn
dfc[bcgh]n]Yfh'Y]bY'bcW'ghÅf_YfY'5i gVfY]hi b['XYf
; chhYgUbVYhYf]b]b'XYb'bØfX`]WYb'@UbX_fY]gYb'GUWgYb!5b\U'hg
]a'Gca a Yf'i bX'<YfVghi&\$&("9g]ghXUa]h'ni'fYW'bybž'XUgg
X]YgY'Ui ZÅ`][Ybž'YXcW'\Ufa'cgYb'bgY_hYb'j Yfa Y\fh
Ui ZhUi WYb'k YfXYbž'k Yg\U'V'Y]bY'[YbUi Y'8c_i a YbhUh]cb'XYf
G]W'hi b[Yb'i bYf'Ågg`]W']gh"

I a 'X]Y'5i gVfY]hi b['VYggYf'bUWj c`n]Y\Yb'ni'_'ØbbYbž']gh'Yg
k]W'h][ž'XUgg'X]Y'6YcVUW'hi b[Yb'b]W'h'bi f'Xc_i a Ybh]Yfhž
gcbXYfb'Ui W' d'fÅn]gY'YfZUggh'k YfXYb"<]YfVY]'g]bX'5b[UVYb'ØVYf
XYb': i bXcfhž'XUg'8Uhi a'gck]Y'Y]b': chc'XYg'[Yg]W'hYhYb
9I Ya d'Ufg'j cb'[fc»Yf'6YXYi hi b["'A Y'Xi b[Yb'_'ØbbYb'ØVYf'Y]b
gdYn]Y``Y]b[Yf]W'hYhYg'C b`]bY!DcfhU`cXYf'dYf'9!A U]'Ub'XUg
@UbXYgUa h'[YgYbXYh'k YfXYb"

8]Y'9!A U]'!5XfYggY'ZØf'A Y'Xi b[Yb'Ui hYh'Ø'a U]'dfchYWHYXQi bX
XUg'C b`]bY!DcfhU`]gh'i bhYf'Ui "gUWgYb!
Ub\U'h"XY#[chhYgUbVYhYf]b'YffY]W'VUF"8]Y'5i ZcfxYfi b['Ub'X]Y
² ZYbh]W'_Y]h]gh'_Uf.'Œ'a Y\ f'G]W'hi b[Yb'YfZUggh'k YfXYbž'XYghc
VYggYf'_'ØbbYb'X]Y'K]ggYbgW'UZh'Yf'X]Y'JYfVfY]hi b['i bX'XYb
@VYb'gfUi a 'X]YgYf'ZUgn]b]YfYbXYb'bgY_hYb'j YfghY\Yb"

8YhU]`g

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