

@Ygi b[ 'a ]h'B UX ^U'6Y]bYfh. '9b hXYW\_i b[  
XYf'k U\ fYb 'A Uf]'mb 'A c b f c Y ]b 'Gh"  
K YbXY`

BUX ^U'6Y]bYfh`Ygh'Ua '%- "GYdhYa VYf]'b'Gh"K YbXY`ØVYf  
A Uf]'mb 'A c b f c Y g'VYk Y[ YbXYg'J c f`YVYb" '9]bhf]hh') '9i fc"

⇒a '<YfnYb'j cb'Gh"K YbXY`Z]bXYh'Ua '8 cbbYfghU[ žXYa '%- "  
GYdhYa VYfž'Y]bY'VYgcbXYfY'J YfUbgU`hi b[ 'ghUhhž'X]Y '@]hYfUhi f  
i bX'XUg'ZUgn]b]YfYbXY '@YVYb'Y]bYf'XYf'[ f0» hYb': ]`a ]\_cbYb'XYf  
; YgW]W'hY'ni gUa a YbVf]b[ h'B UX ^U'6Y]bYfhž'Y]bY'hU`Ybh]YfhY  
GWf]ZhghY`Yf]bž'k ]fX'ja 'F U\ a Yb'XYf': fUi Yb\_i `hi fhU[ Y'&\$&(']b  
XYf'GhUXh'i bX'fY]gV]V`]ch\Y\_`Yfk UfhYh"

8]YgY '@Ygi b[ ' ]gh'b]W'h'XUg'YfghY'A U`ž'XUgg'X]Y'6Y]bYfh  
GWk YghYfb' ]b'Gh"K YbXY`Ui ZhfYhYb"6YfY]hg]a 'U\ f'&\$%,  
VYgi W'hYb'g]Y'X]Y'GhUXh'a ]h']\fYa '6i W'ØVYf '@YbWYb'8Ya i h\  
GY]h\Yf'\UVYb'X]Y'VY]XYb'5i hcf]bbYb'Y]bY'FY]\Y'j cb'k Y]hYfYb  
\]ghcf]gWYb'Fca UbYb'\Yfj cf[ YVfUW'hž'X]Y'g]W'cZha ]highUf\_Yb  
k Y]V]WYb': ][ i fYb'VYgW`Z]h[ Yb"

### 9]b '6`]W\_`Ui Z'A Uf]'mb 'A c b f c Y

⇒f'bYi YghYf'Fca Ub' A Uf]'mb'i bX'X]Y'GhYfbY'j cb'<c`mk ccX  
k ]Xa Yh'g]W'XYa 'VYa Yf\_Ybgk YfhYb'K YfXY[ Ub[ 'XYf'† b[ Yb  
Bcfa U'XUb'6U\_Yfž'X]Y'gd`hYf'U`g'A Uf]'mb 'A c b f c Y 'VYfØ\ a h  
k i fXY"8]Y'9fn`À\ i b[ 'VY'Yi W'hYh'b]W'h'bi f'X]Y'9]bgUa \_Y]h']\fYf  
'? ]bX\Y]hž'gcbXYfb'Ui W' ]\fY': 'i W'h]b'X]Y'HfUi a k Y'h'XYg': ]`a g"  
8]Y '@]bk UbX\Y'X]bbYb'X]YgYf'NY]h'k i fXYb'ZØf'g]Y'ni 'k ]W'h][ Yb  
JcfV]'XYfb"8cW'ia 'ni 'XYf'ghfU\`YbXYb'<c`mk ccX!=\_cbY'ni  
k YfXYbž'a i gghY'g]W' Bcfa U'XUb'j cb'XYb'ghfYb[ Yb  
[ YgY`gW`UZh]WYb' Bcfa Yb' ]\fYf'NY]h'Ya Ubn]d]YfYb" Hfchn']\fYg

ØVYfk Å`h][ YbXYb`9fZc`[ g`]hh'g]Y`cZhi bhYf`XYa`\_]gWXY\UZhYb  
=a U[ Y`XYf`bU]j Yb`i bX`Y]bZÅ`h][ Yb`6`cbX]bYž`XUg`]\f`Ub\UZhYhY"

6Y]bYfh'nY][ hž`XUgg`A Uf]`mbg`? Uff]YfY`i bX`]\fY`@Y]ghi b[ Yb`U`g  
GWUi gd]Y`Yf]b`Yfgh`bUW`]\fYa`j`]Y`ni`žfØ\Yb`HcXž`XYggYb  
I a ghÅbXY`V]g`\Yi hY`fÅhgY`\UZh`V`Y]VYbž`k`]f`\_]W`[ Yk`ØfX][ h  
k i fXYb`"8Yf`Fca Ub`gYhnh'g]W`]bhYbg]j`a`]h`X]YgYb`5gdY`hYb  
Ui gY]bUbXYf`i bX`VY`Yi W`hYh`XUg`k Yb][ Yf`VY`Ub`bhY`Jcf`YVYb`XYf  
GWUi gd]Y`Yf]b"

8]Y`GWk YghYfb`6Y]bYfh`g]bX`ZØf`]\fY`U`\_f]V]gWXY`F`YWXYfWXY  
VY`Ub`bh`"ž`XYb`Y`hnhYb`ØVYf`nY`\b`ž\`fYb`\UVYb`g]Y`[ Ya`Y]bgUa  
\]ghcf]gWXY`Fca Ub`Y`j`YfZUggh`i bX`g]W`VY]`]\fYb`9fnÅ`\i b[ Yb  
ghYhg`Ub`X]Y`hUhgÅW`]W`Yb`9fY][ b]ggY`[ Y`U`hYb`"8]YgY  
; YbUi ][ \_Y]h`Yfa`Ò[ `]W`h`Ygž`Y]bYb`ZUW`hhYb`fY]W`Yb`i bX  
fYU`]gh]gW`Yb`6`]W`\_`Ui`Z`X]Y`:] [ i fYb`ni`k`YfZYbž`X]Y`g]Y`dcfhfÅh]YfYb"

8]Y`J`YfUbghU`hi b[ `ghUfhYhi a`%`.'`\$`l` \fž`i bX`ZØf`Y]bYb`\_`Y]bYb  
9]bhf]hhj`cb`)`9i`fc`\_`ØbbYb`@]hYfUhi`fVY`[ Y]ghYfhY`Ub`X]YgYf  
gdUb`bYbXYb`@Ygi`b[ `hY]`bY`a`Yb`"H]W`Yhg`g]bX`]a`J`cfj`Yf`\_`Ui`Z  
gck`]Y`ni`f`F`YgYfj`]Yfi`b[ `]b`XYf`GhUXh`i`bX`?`fY]gV]V`]ch\Y`\_]a`A`]U!  
A`ØbghYf!<`Ui`g`Yf`\`Å`h]W`ž`hY`Y`Zcb]gW`i`bhYf`f`\$`\*,`,)`%`ž,`\$`-`!`%-`(\$  
cXYf`dYf`9!A`U]`i`bhYf`V]V`]ch\Y`\_4`gUb`\_`h`k`YbXY`"XY"

8YhU]`g

6Ygi WXYb`G]Y`i bg`Ui Z.`b!U[ "XY