

GW cW\_ ]a 'Ncc. 'NYVfU! † b [ h]Yf': UfUg]  
\_Äa dZhi a g', VYf`YVYb

⇒ a ; Y`gYb\_]fWYbYf'Ncc'a i gghY`Y]b'NYVfU!6UVm'Ui Z[ fi bX  
j cb'GW`i bXj YfghcdZi b[ 'bchÄfnh`W`VY\UbXY'h'k YfXYb"  
; `ØW\_]WYfk Y]gY`]gh': UfUg]'Ui ZXYa 'K Y[ 'XYf'6YggYfi b[ "

8 ]Y' < YfUi gZcfXYfi b [ Yb ']b 'XYf'Ncc!DZY [ Y

8 ]Y'K Y'h'XYf'Nccg']ghicZha ]hi bYfk UfhYhYb' < YfUi gZcfXYfi b [ Yb  
j YfVi bXYbž'X]Y'gck c\`ZØf'H]YfY'U'g'Ui W`ZØf'X]Y'DZY [ Yf' [ fc» Y  
6YXYi hi b [ '\UVYb"9]b'U\_hi Y`Yg'6Y]gd]Y`nY][ h'g]W`]a 'Ncc  
9f'YVb]gk Y'h'; Y`gYb\_]fWYbž'k c'Y]b'bYi [ YVcfYbYg'; fUbh!NYVfU!  
† b [ Yg'\_Øfn`]W`]b'Y]bY'\_f]h]gWY'G]hi Uh]cb [ Yf]Yh"

9]b'ØVYffUgWYbXYf'; Ygi bX\Y]hgbchZU`

⇒ 'XYf'9f'YVb]gk Y'h'5Zf]\_U'k i fXY'Ua 'A cbhU[ ž'XYb'&&"† `]ž'X]Y  
; YVi fh'Y]bYg'NYVfU† b [ Yg'bUa Ybg': UfUg]' [ YZY]Yfh"Bi f'k Yb][ Y  
HU[ Y'bUW`X]YgYf'YfZfYi `]WYb'B'UW`f]W`h'k i fXY'XUg'HYUa 'a ]h  
Y]bYa 'i bYfk UfhYhYb'; Ygi bX\Y]hgbchZU`'\_cbZfcb]Yfh": UfUg]'hfUh  
\_i fn'XUj cf']b'XUg'; Y\Y [ Y'j cf'Di V]\_i a 'Y]bž'U'g'g]Y'd'Øm`]W  
UbZ]b [ 'ni '\i ghYb'i bX'K Øf [ YVYk Y [ i b [ Yb'a UW`hY"5i g']\fYa  
A Ui ``\_Ua 'GdY]WY`i bX'GW`Y]a ž'k Ug'VY]'XYb'DZY [ Yfb'gcZcfh  
5`Ufa 'Ui g`ØghY"

8 ]U [ bcgY'i bX'gW`bY`Y'F YU\_h]cb'XYf  
H]YfÄfnhY

8 ]Y'J YfUbhk cfhi b [ 'XYf'H]YfdZY [ Yf']gh'Ybcfa ž'VYgcbXYfg']b  
gc`WYb'\_f]h]gWYb'A ca YbhYb"8 ]Y'YfghYb'5bnY]WYb'XYi hYhYb

Ui ZY]bY`GW\`i bXj YfghcdZ b[`\]bž`X]Y`YbhghY\Yb`\_Ubbž`k Ybb  
: i hhYf`]b`XYf`GdY]gYfO\`fY`ghYW\_Yb`V`Y]Vh``8]Yg`\_Ubb`VY]`H]YfYb  
[ YZ\`f`]W\`gY]bž`XU`g]W\`XUg`9ggYb`k Y]hYf`ghUi Yb`i bX  
a O[`\]W\`Yfk Y]gY`]b`X]Y`@ b[ Y`[ Y`Ub[ Yb`\_Ubb``8]Y`H]YfdZY[ Yf  
fYU[ ]YfhYb`gW\`bY``i bX`\`c`hYb`H]YfÅfnhY`ni f`l bhYfghØhni b[ "

## 8]Y`F c``Y`XYg`F`Òbh[ Ybg`]b`XYf`H]Yfa`YX[n]b

GcVU`X`X]Y`H]Yfa`YX[n]bYf`Y]bhfUZybž`k i fXY`: UfUg]`]b`J c``bUf`cgY  
j YfgYmhž`i a`Y]bY`g]W\`YfY`6Y\`UbX`i b[ `ni` [ Yk`Å\`f`Y]ghYb``5i W\`  
]\`fY`A i hhYf`: Uf]XU`Yf\`Y`h`Y]bY`GYX]Yfi b[ ž`i a`g]Y`ni`VYfi`\][ Yb``  
a ]h\`]Z`j cb`F`Òbh[ YbUi ZbU\`a`Yb`\_cbbhY`XUg`HYUa`X]Y`[ YbUi Y  
l fgUW\`Y`XYg`DfcV`Ya`g`VYgh]a`a`Yb.`9g`k UfYb`hUhgÅW\`]W\`  
: i hhYffYghY`]b`XYf`GdY]gYfO\`fY`ZYgh[ Y`\_YVh``8i fW\`XYb`9]bgUhn  
Y]bYf`GcbXY`[ Y`Ub[ `Yg`XYb`H]YfÅfnhYbž`X]Y`J YfghcdZ b[ `ni` ``ÒgYb``

## 8]Y`6YXYi`hi`b[ `XYf`H]YfdZY[ Y`ZØf`Nccg

8]Y`J cfZÅ``Y`]a`Ncc`; Y`gYb`\_]fW\`Yb`VY`Yi W\`hYb`X]Y`6YXYi`hi`b[  
j cb`[ i`h`Ui`g[ YV]`XYhYb`i bX`fYU`\_h]cbggW\`bY``Yb`DZY[ Y`fÅZhYb`]b  
ncc`c[ ]gW\`Yb`9]bf]W\`hi`b[ Yb``8]Y`; Ygi`bX\`Y]hi`bX`XUg  
K`c`\`VYZ]bXYb`XYf`H]YfY`ghY\`Yb`Ub`YfghYf`GhY``Yž`i bX`gc`W\`Y  
G]hi`Uh]cbYb`j`YfXYi`h]W\`Ybž`k`]Y`k`]W\`h][`d`f`Å]`Ybh]j`Y`H]Yfa`YX[n]b  
]gh``: UfUg]`\`Uh`X]Y`6Y\`UbX`i b[ `i`[ i`h`ØVYfghUbXYb`i bX`k`]fX`UV`XYa  
&-``ž`i`][ Ya`Y]bgUa`a`h]`\`fYf`A i hhYf`]a`i`[ fc»`Yb`; Y\`Y[ Y`g]W\`hVUf  
gY]b``

: Un]h.`9]bY`@Y`\_h]cb`]b`: Øfgcf[ Y`i`bX  
DfcZYgg]cbU`]g]Yfi`b[

8]YgY`J cfZÅ``Y`Yf]bbYfb`i`bg`XUfUbž`XUgg`X]Y`5fVY]h]b`Y]bYa`Ncc  
k`Y]h`a`Y\`f`i`a`ZUgghž`U`g`bi`f`H]YfY`ni`ZØhhYfb`i`bX`ni`VYcVUW\`hYb``  
G]Y`YfZcfXYfhighÅbX][ Yg`@YfbYb`i`bX`gW\`bY``Y`FYU`\_h]cbYb`Ui`Z  
i`bYfk`UfhYhY`<`YfUi`gZcfXYfi`b[ Yb``8]Y`: Å\`][`\_Y]hž`]b  
?f]gYbg]hi`Uh]cbYb`fi`\][`i`bX`YZZY`\_h]j`ni`\`UbXY`bž`]gh]j`cb  
YbhgW\`Y]XYbXYf`6YXYi`hi`b[ ž`i`a`XUg`@YVYb`XYf`H]YfY`ni`gW\`ØhnYb  
i`bX`ni`j`YfVYggYfb``

B 5;

8 YhU]g

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