

K Ufbi b [ Yb '][ bcf]YfYb. : U\ fj YfVchY 'i bX  
GhfUZYb 'ZØf '7c`ca V]Yb ': U\ fYf

9fZU\ fYb 'G]Y 'U`Yg'ØVYf'X]Y 'U\_hi Y`Yb 'J Yf\_Y\ fgk Ufbi b [ Yb  
i bX' bYi Yb '6i » [ Y`XfY [ Y' i b [ Yb ']b '6c [ ch½Ua '%%"5i [ i gh"

8 ]Y '6YXYi hi b [ 'j cb 'J Yf\_Y\ fgg]W\ Yf\ Y]h' i bX  
bYi Yb 'F Y [ Y' i b [ Yb 'ZØf '6c [ ch½

⇒ XYf'XmbUa ]gW\Yb 'A Yhfcdc`Y '6c [ ch½ž'k c`XYf'J Yf\_Y\ f'cZh'Y]bY  
< YfUi gZcfXYfi b [ 'XUfghY`hž'ghY\Yb 'G]W\Yf\Y]h' i bX' C fXbi b [ 'ja  
GhfU» Ybj Yf\_Y\ f'ja 'A ]hhY`di b\_h'XYf'5i Za Yf\_gUa \_Y]h" »Øb [ ghY  
9bhk ]W\_ i b [ Yb ']b`XYb 'J Yf\_Y\ fgfY [ Y`b` \UVYb`XUg'DchYbn]U`ž  
gck c`X`X]Y'G]W\Yf\Y]h'XYf': U\ fYf'U`g'Ui W`X]Y`XYf'DUggU [ ]YfY  
Yf\YV`]W`ni 'j YfVYggYfb" 8 ]Yg'gdf]W`h'b]W`h'bi f'ZØf'X]Y'9]b\U`hi b [  
XYf'VYghY\YbXYb'; YgYhnYž'gcbXYfb'Ui W`ZØf'X]Y`Bchk YbX][ \_Y]hž  
XUg'6Yk i gghgY]b`XYf'² ZYbh]W`\_Y]h'ZØf'X]YgY`H\Ya Yb'ni  
gW`ÄfZYb"

GhfYb [ Y 'GhfUZYb 'ZØf 'J Yf\_Y\ fgj YfghØ» Y

9]bY`XYf'VYXYi hYbXghYb`YbXYfi b [ Yb`VYhf]Zh'X]Y'6i gZU\ fYf'ja  
ÖZZYbh]W\Yb 'J Yf\_Y\ fž'X]Y`VY]i bgUW [ Ya Ä» Yf'6YhUb\_i b [ ;  
Y`XVi » Yb'j cb'V]g'ni '%" \$\$\$\$7CD'f7c`ca V]Ub'DYgcl  
f]g\_]YfYbž'ni gÄhm`]W`ni f'a Ö [ `]W\Yb'9bhn]Y\ i b [ `]\ fYf  
: U\ fYf'Ui Vb]g" 8 ]YgY`A U» bU`a Y`n]Y`h'XUfUi ZUVž'X]Y'G]W\Yf\Y]h  
ja 'GhfU» Ybj Yf\_Y\ f'ni `Yf\Ö\Ybž']bXYa `g]W\Yf [ YghY`h'k ]fXž'XUgg  
: U\ fnYi [ Y`k Ä\ fYbX`XYg'HUb\_Ybg'b]W`h']b'6Yhf]YV'g]bX" Gc`W\Y  
J cfgW`f]ZhYb'j YfVYggYfb'b]W`h'bi f'X]Y'G]W\Yf\Y]h'ZØf'X]Y  
DUggU [ ]YfYž'gcbXYfb`ZØfXYfb'Ui W`Y]bY [ Ya Ä» ][ hY': U\ fk Y]gY]b  
XYf'² ZYbh]W`\_Y]h"

I bZU``]b`l ga Y`i bX`gY]bY` : c`[ Yb

5a` :%%"5i [ i gh`k i fXYb`X]Y`6Y\`OfXYb`Ui Z`Y]bYb`hfU[ ]gWXYb  
J Yf`\_Y\`fgi bZU``]b`XYf`@c`\_U]h`A`h`i ga Y`Ui Za Yf`\_gUa ž`XYf`[ Y[ Yb  
) .` , `l` \`f`a` c`f[ Ybg`ghUhhZUbX"9]b`A`c`h`c`f`f`U`X`Z`U` \`f`Y`f`k` U`f`]b`Y]bYb  
Ni gUa a Ybghc»`a` ]h`Y]bYa` `@\_k` `j` Yfk` ]W`\_Y`h`ž`k` Ug`ni` `Y]bYa  
h`O`X`]WXYb`5i g[ Ub[ `Z`O` \`fhY"8]Y`9fa` ]h`i` b[ Yb`XYg`i` bZU``c`fhYgž`X]Y  
X]Y`9fa` ]h`i` b[ gVY\`OfXYb`Xi` fW`Z`O` \`fhYbž`XUi` Yfb`V]g]b`X]Y`Z`f`O` \`Yb  
A`c`f[ Ybghi`bXYb`Ub`i` bX`Z`O` \`fYb`ni` `J`Yf`\_Y\`fgVY\`]bXYfi`b[ Yb`"  
Gc`W`Y`J`c`f`Z`A` `Y`g]bX`Y]b`Y]bXf]b[ `]WXYf`fYa` ]bXYf`Z`O`f`U` `Y  
J`Yf`\_Y\`fghY]`bY`a` Yf`O`VYf`X]Y`6YXYi`hi`b[ `j`cb`J`c`f`g]W`h`i`bX  
5i`Za`Yf`\_gUa`\_Y]h]a` `G`h`f`U`»`Yb`j`Yf`\_Y\`f`"

J YfVYggYfhY`F`U` \`a` YbVYX]b[ i`b[ Yb`Z`O`f`X`Y`b  
J Yf`\_Y` \`f`

I a`XYa`ni`bY`a`YbXYb`J`Yf`\_Y\`fgUi`Z`\_ca`a`Yb`i`bX`XYb`XUfUi`g  
fYgi`h]YfYbXYb`DfcV`Ya`Yb`Ybh[ Y[ Ybni`k`]f`\_Ybž`k`]fX`Ua` `%+`"  
5i [ i gh`Y]b`D]`c`h`d`f`c`Y`\_`h`ni`f`Z`fY]k` ]``[ Yb`5i`g`fY]gY`Ui`g`XYf`G`h`U`X`h  
[ YghUfhYh"8]YgY`⊖]h]U]h] Y`n]Y`h`XUfUi`Z`UVž`XYb`6Yk`c` \`b`Yfb`j`cb  
6c[ ch½X]Y`A`O[ `]W`\_Y]h`ni` `[ YVYbž`F`Y]gYb`VYggYf`ni`d`UbYb`i`bX  
GhUi`g`ni`j`Yfa`Y]XYb"8]YgY`A`U`»`bU`a`Y`nY][`h`X`U`g`9b[ U[ Ya`Ybh  
XYf`G`h`U`X`h]`Yfk`U`hi`b[ `Z`O`f`Y]bY`VYggYfY`J`Yf`\_Y\`fgc`f[ Ub]gUh]cb`"

9b`hk` ]W`\_`i`b[ `X][ ]hU`Yf`@`O`gi`b[ Yb

Ni`g`A`h`n`]W`\_`ni` `XYb`bYi`Yb`J`Yf`\_Y\`fgfY[ Y`b` \`Uh`X]Y`GY`\_`fY`hUf]Uh`Z`O`f  
A`cV]`h`A`h`Y]b`j`YfVYggYfhYg`C`b`]bY!`D`c`f`hU` `Y]b[ YZ`O` \`fhž`k`Y`W`X`Y`g`X]Y  
6YUbhfU[ i`b[ `XYg` `D]W`\_`m`D`U`W`\_`G`c`]XUf]c` `Yf`Y]W`\_`h`Y`f`h"8]YgY  
A`U`»`bU`a`Y`Yfa`O[ `]W`\_`h`Y`g`X`Y`b`6`O`f[ Yfbž`h`f`c`h`X`Y`f`V`Y`g`h`Y`Y`b`X`Y`b  
J`Yf`\_Y\`fgVYgW`\_`f`A`b`\_i`b[ Ybž`Z`O`f`Y]bYb`Z]bUb]n]Y`Yb`6Y]hU[ `]b`X]Y  
G`h`U`X`h`ni` `Z`U` \`fYb"8Yf`X][ ]hU`Y`Ni` [ Ub[ `ni`f`6YUbhfU[ i`b[ `]ghY]bY  
nY]h[ Ya`A`»`Y`5b`hk`c`f`h`Ui`Z`X]Y`6YX`O`f`Zb]ggY`XYf`J`Yf`\_Y\`fghY]`bY`a`Yf`"

: Un]h.`9]bY` ; Ya`Y]bgW`X`U`Zh`]b`6Yk`Y[ i`b[

8]Y`9b`hk` ]W`\_`i`b[ Yb`]b`XYf`J`Yf`\_Y\`fgdc`]h]\_`6c[ ch½nY][ Yb`Y]bY

fYU\_h]cbgZÄ\][ Y`GhUXhj Yfk U`hi b[ ž`X]Y`X]Y`G]W\Yf\Y]hi bX`A cV]`hÄh  
]\fYf`6Øf[ Yf`]b`XYb`i: c\_i g`ghY``h"8]Y`?ca V]bUh]cb`Ui g`ghfYb[ Yb  
J cfgW\ f]ZhYbž`Y]bYf`j YfVYggYfhYb`bZfUghfi \_hi f`i bX`X][ ]hU`Yb  
@Øgi b[ Yb`Vf]b[ h`b]W\h`bi f`J YfÄbXYfi b[ Yb`ZØf`X]Y`5i hcZU\ fYf`a ]h  
g]W\ ž`gcbXYfb`]gh`Ui W\`Y]b`GW\ f]hh`]b`F]W\hi b[ `Y]bYf`g]W\YfYfYb  
i bX`YZZ]n]YbhYfYb`i fVUbYb`A cV]`]hÄh"9g`V`Y]Vhni `cZZYbž`XUgg  
X]YgY`A U» bU\`a Yb`b]W\h`bi f`XUg`6Yk i gghgY]b`ZØf`X]Y  
J Yf`\_Y\fgg]W\Yf\Y]h`ghÄf`\_Ybž`gcbXYfb`Ui W\`X]Y`@YVYbgei U`]hÄh`]b  
6c[ ch½j YfVYggYfb"

8YhU]`g

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