

B Yi Y ' K YV!GYa ]bUfY. ' < UbXk Yf\_ 'gYhnh'Ui Z  
A ]hUfVY]hYf[ Yk ]bbi b[ 'i bX '!V]bXi b[

9fZU\ fYb 'G]Y'U''Yg'ØVYf'bYi Y'K YV!GYa ]bUfY'i bX '@]j Y!  
9j Ybhg'ni f'A ]hUfVY]hYf[ Yk ]bbi b[ 'ja ' < UbXk Yf\_' ]b'F @D'UV  
C\_hcVYf'&\$&( "

⇒a 'C\_hcVYf'&\$&( 'ghUfhYb'X]Y'f\Y]b'UbX!dZÄ'n]gWYb  
< UbXk Yf\_g\_Ua a Yfb'Y]bY'i a ZUggYbXY' ð]h]hUh]j Y'ni f  
l bhYfghØmi b[ 'j cb' < UbXk Yf\_gVYhf]YVYb' ]b'XYf  
A ]hUfVY]hYf[ Yk ]bbi b[ 'i bX '!V]bXi b[ "

8 ]Y '6YXYi hi b[ 'j cb ': UWÄ\_fÄZhYb 'ja  
< UbXk Yf\_

8 ]Y' < YfUi gZcfXYfi b[ Yb'VY]'XYf'FY\_fi h]Yfi b[ 'i bX'6]bXi b[ 'j cb  
: UWÄ\_fÄZhYb 'ja ' < UbXk Yf\_g]bX' ]b'XYb''YhnhYb' ð\ fYb' ]a a Yf  
XYi h]WYf' [ Yk cfXYb" 8 ]Y'f\Y]b'UbX!dZÄ'n]gWYb  
< UbXk Yf\_g\_Ua a Yfb'\UVYb'X]Yg'Yf\_Ubbhi bX'ghUfhYb' ]a 'C\_hcVYf  
&\$&( 'Y]b'bYi Yg'Dfc'Y\_h'bUa Ybg' < UbXk Yf\_'UhhfU\_h]j " 8 ]YgY  
A U» bU\ a Y'f]W\hYh'g]W\X]fY\_h'Ub'X]Y' ð\ UVYf'i bX': Ø\ fi b[ g\_fÄZhY  
]b' < UbXk Yf\_gVYhf]YVYb'ž'i a ' ]\bYb'k Yfhj c''Y'K Yf\_nYi [ Y'Ub'X]Y  
< UbX'ni ' [ YVYb"

; Yd`UbhY`K cf\_g\cdg'i bX`K YV!GYa ]bUfY

8 ]Y'J YfUbghU'hi b[ gfY]\Y'VY[ ]bbh'a ]hink Y]'\_cghYb'cgYb'K YV!  
GYa ]bUfYbž'X]Y'Ua '% 'i bX', "'C\_hcVYf'&\$&( 'ghUhhZ]bXYb"' ⇒a ': c\_i g  
X]YgYf'GYa ]bUfY'ghY\Yb'k ]W\h] [ Y'H\Ya Yb'k ]Y'X]Y'8i fW\ZØ\ fi b[  
j cb'A ]hUfVY]hYf[ Ygd fÄWYb'i bX'XUg'GcW]U`!A YX]U!F YWfi ]h]b[ "  
7`Ui X]U`A U]gbYfž'Dfc'Y\_h\_ccfX]bUhc]f]b'XYf' < UbXk Yf\_g\_Ua a Yf  
?cV`Ybnž'\YVh'\Yfj cfž'XUgg'X]Y'HY]'bY\ a Yf''YfbYb'k YfXYbž'k ]Y

g]Y`]\fY`6Yhf]YVY`U`g`UhfU\_h]j Y`5fVY]h[ YVYf`dfÅgYbh]YfYb`\_ÖbbYb"

@]j Y!9j Yb hg`i bX`dYfgÖb`]W\Yf`5i ghUi gW\

⇒ `5bgW\`i gg`Ub`X]Y`K YV!GYa`]bUfY`g]bX`ja`Bcj Ya VYf`nU\`fY]W\Y  
@]j Y!9j Yb hg`]b`j YfgW\]YXYbYb`GhÅXhYb`F`Y]b`UbX!DZU`n`[ Yd`Ubh`  
8]YgY`V]YhYb`XYb`HY]`bY\`a Yfb`Y]bY`Y]bn][ Ufh][ Y`;`Y`Y[ Yb\Y]hž`b  
X]fY`\_hYb`5i ghUi gW\`a`]h`9l dYfhYb`ni`hfYhYb`i bX`]bX]j`]Xi Y`Y  
: fU[ Yb`ni`\_`ÄfYb`"9g`k YfXYb`i bhYf`UbXYfYa`K`cf\_g\cdg`]b`A U]bnž  
?cV`Ybnž`i bX`?U]gYfg`Ui hYfb`Ub[ YVchYbž`X]Y`g]W\`a`]h`XYf  
9bhk ]W`\_i b[ `Y]bYf`ghUf`\_Yb`5fVY]h[ YVYfa`Uf`\_Y`VYgW\`ÅZh][ Yb`"

< ]`Zga ]hhY``ni f`l bhYfghØhni b[ `j cb`6Yhf]YVYb

⇒ `F U\`a Yb`XYg`Dfc`Y`hg`ghY\`Yb`XYb`< UbXk Yf\_gVYhf]YVYb  
j YfgW\]YXYbY`<]`Zga ]hhY``ni f`j YfZØ[ i b[ "8Uni`[ Y\`ÖfYb`i bhYf  
UbXYfYa`@Y]hZÅXYb`ni f`b`hY[ fUh]cb`bYi Yf`A`]hUfVY]hYf`i bX`XUg  
]bbcj Uh]j Y`b`ghfi a Ybh`A`ch]j GC`FH]`ž`XUg`\`]Zhž`X]Y`A`ch]j`U[ Y`XYf  
A`]hUfVY]hYf`ni`YfZUggYb`"8]Y`< UbXk Yf\_g\_Ua`a Yfb`Yfa`i h][ Yb  
6Yhf]YVg]b\`UVYfž`g]W\`VY]: fU[ Yb`Ub`]\fY`6YfUhYf`ni`k YbXYbž`i a  
a U» [ YgW\`bY]XYfhY`l`bhYfghØhni b[ `ni`Yf\`U`hYb`"

: Un]h.`9]b`GW\`f]hh`]b`X]Y`Ni`\_i`bZh

8]Y`b`h]Uh]j Y`< UbXk Yf`\_UhfU\_h]j`ghY``h`Y]bYb`k`]W\`h][ Yb`GW\`f]hh  
XUfž`i a`XYf`: UW\`\_fÅZhY`\_f]gY`ja`< UbXk Yf`\_Ybh[ Y[ Ybni`k`]f`\_Yb`  
b`XYa`g]Y`dfU]`]gbU\`Y`K`cf\_g\cdg`i bX`GYa`]bUfY`UbV]YhYbž  
a`ÖW\`hYb`X]Y`< UbXk Yf\_g\_Ua`a Yfb`6Yhf]YVY`i bhYfghØhnybž`]\fY  
5bk YfVY`!i bX`6]bXi b[ gghfUhY[ ]Yb`ni`cdh]a`]YfYb`"8]YgY  
A U» bU\`a Yb`\_ÖbbYb`b]W\`h`bi f`ni f`GhUV]`]g]Yfi b[ `XYf`U`hi Y`Yb  
6Y`Y[ gW\`UZh`VY]hfU[ Ybž`gcbXYfb`Ui W\`bYi Y`HU`YbhY`Ubn]Y\`Ybž  
k Ug`ZØf`X]Y`[ YgUa`hY`6fUbW\`Y`j cb`[ fc» Yf`6YXYi hi b[ `]gh`"

8]Y`5ba Y`Xi b[ `ZØf`X]Y`K YV!GYa`]bUfY`YfZc`[ h`ØVYf`X]Y`K YVg]hY  
XYf`< UbXk Yf\_g\_Ua`a Yf`?cV`Ybnž`i bX`X]Y`j YfUbghU`hi b[ gfY`\Y  
k ]fX`Zcfh[ YgYhnh`a`]h`HU[ Yg!K`cf\_g\cdg`]a`\_`Å\`f`&\$&)"

8YhU]g

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