

B UW\ U`h][ Yg`K c\ bYb. `9]b`A ]b]\ Ui g`Ui Z  
XYa `8 UW\ `]b`B Øfh]b[ Yb

?`Ui g`BÀ[ Y`Y`i bX`5b\_Y`?i fn`fYU`]g]YfYb`]\ f`bUW\ U`h][ Yg  
A ]b]\ Ui g`Ui ZY]bYf`K Yf\_ghUhh`]b`B Øfh]b[ Ybž[ Ubnc\ bY  
6Ui `UbXVYXUfZ"

⇒ a Yf`a Y\ f`A YbgWYb`gi WYb`bUW`i a k Y`hZfYi bX`]WYb`i bX  
d`UhgdufYbXYb`K c\ b`Øgi b[ Yb`]b`ghAXh]gWYb`i; YV]YhYb" `9]b  
VYa Yf\_Ybgk YfhYg`6Y]gd]Y`XUZØf`g]bX`?`Ui g`BÀ[ Y`Y`i bX`5b\_Y  
?i fnž`Y]b`DUUf`Ui g`B Øfh]b[ Ybž`XUg`Y]bYa `VYgcbXYfYb`?cbnYdh  
ni a `K c\ bYb`Ui Z`\_Y]bYa `FUi a `bUW\ [ Y[ Ub[ Yb`]gh" `G]Y` \ UVYb`]\ f  
A ]b]\ Ui g`Ui Z`XYa `8 UW\ `Y]bYf`U`hYb`K Yf\_ghUhh`Yff]W`hYh`i bX  
nY][ Yb`Y]bXfi W\_gj c`ž`k ]Y`a Ub`Ui W`]b`XYf`GhUXh`Ö\_c`c[ ]gW`i bX  
fYggci fW`bgW`cbYbX`YVYb`\_Ubb"

8]Y`VY]XYb`6Ui \YffYb`\ UVYb`g]W`Yb`hgW]YXYbž`\ fY`K c\ bZÀWY  
Ui Z`bi f`(+`E`i UXfUha YhYfb`ni `\_cbnYbhf]YfYb" `8 Ug`A chhcž`XUg`g]Y  
XUVY]`Y]hYhž`\_ÖbbhY`b]W`hidUggYbXYf`gY]b. `K Yb][ Yf`]gh`a Y\ f"  
8]YgYg`Df]bn]d`[ ]`h`ZØf`\ fY`@YVYbgk Y]gYž`X]Y`Ui Z`A ]b]a U`]ga`i g  
i bX`Y]bYa `VYk`i gghYb`l a [ Ub[ `a ]h`F Yggci fW`b`UVn]Y`h" `5b\_Y  
?i fn`i bX`?`Ui g`BÀ[ Y`Y`VYhcbYbž`XUgg`X]YgYf`5bgUhm`b]W`h`bi f  
Z]bUbn]Y`Y`b`h`UghYbX`]ghž`gcbXYfb`Ui W`a Y\ f": fY]fUi a `]a `@YVYb  
gW`UZh"

9]b`]bbcj Uh]j Yg`6Ui \_cbnYdh

8 Ug`A ]b]\ Ui gž`XUg`g]Y`]b`XYf`⇒ bYbghUXh`j cb`B Øfh]b[ Yb`Yff]W`hYh  
\ UVYbž`ghY`h`Y]b`[ Y`i b[ YbYg`6Y]gd]Y`ZØf`GhUXh`j YfX]W`hi b[ `XUf"  
8i fW`X]Y`Bi hni b[ `XYg`8 UW\ g`Y]bYf`VYghY`YbXYb`K Yf\_ghUhh  
k`i fXY`\_Y]b`ni gÀhm`]W`Yf`6cXYb`j Yfg]Y[ Y`hž`k Ug`ZØf`X]Y`l a k Y`h  
Y]bYb`dcg]h]j Yb`9ZY`\_h`\ Uh" `8 ]Yg`]gh`VYgcbXYfg`k ]W`h][ ]b`NY]hYb

XYg'?'`ja Uk UbXY`gž'k c`YXYf'E i UXfUha YhYf'[ YgWkØhnhYf'6cXYb  
Y]bYb'k Yfhj c`Yb'6Y]hfU[ 'ni a`9f\U`h'XYf'BUhi f`Y]ghYb'`Ubb"

8 Ug'6Ui \YffYbdUUf'\Uh'g]Wk`b]Wk`h'bi f'ZØf'Y]b`d`UhngdUfYbXYg  
?c`bnYdhYbhgWk]YXYbž'gcbXYfb'gYhnh'Ui Wk`Ui ZBUWk\U`h][`\_Y]h"  
⇒fY`D`ÀbY`ZØf'Y]bYb'[ fc»nØ[ ][`[ YghU`hYhYb'8UWk[ UfhYb'g]bX`Y]b  
k Y]hYfYf'GWk]h'bi b'F]Wk`hi b[ `i a k Y`hZfYi bX`]WkYg'K c`bYb'"8]YgYf  
; UfhYb'k ]fX`b]Wk`h'bi f'U`g'9f\c`i b[ gfUi a`X]YbYbž'gcbXYfb'Ui Wk  
X]Y'6]cX]j Yfg]h`h'ZØfXYfb'i bX`c`\_U`Y`H]YfUfhYb'i bhYfghØhnhYbž'X]Y  
Ui ZVY[ fYbnhYa`i fVUbYa`FUi a`cZi]b`X]Y'9b[ Y`[ Yhf]YVYb  
k YfXYb"

8]Y`I bhYfghØhni b[ `Xi fWk`X]Y`BØfh]b[ Yf'GhUXhk Yf\_Y`k Uf'ZØf'X]Y  
FYU`]g]Yfi b[ `X]YgYg'Dfc`Y`hg`YbhgWkY]XYbX'"8]Y`GhUXhk Yf\_Y  
\UVYb`b]Wk`h'bi f'[ Y\c`ZYbž'X]Y`XYY`]b`X]Y`HUhi a`ni gYhnhYbž  
gcbXYfb'Ui Wk`XUZØf'[ Ygcf[ hž'XUgg`U`Y`bchk YbX][ Yb  
; YbY\ a`][ i b[ Yb`gWk`bY`YfhY]`hik i fXYb'"8]Yg`nY][ hž'k ]Y`k ]Wk]h[  
X]Y`Ni gUa`a YbUfVY]h'nk ]gWkYb`]bbcj Uh]j Yb'6Øf[ Yfb'i bX  
\_ca`a`i bU`Yb`bgh]hi h]cbYb`]ghž'i a`bUWk\U`h][ Y`K c`bdfc`Y`hY`]b  
XYf'GhUXh'ni`ZØfXYfb"

Ni gUa`a YbZUggYbX`Àggh'g]Wk`ZYghghY`Ybž'XUgg'?'`Ui g`BÀ[ Y`Y`i bX  
5b\_Y`?'i fn`b]Wk`h'bi f'Y]bYb`bYi Yb`K c`bUfUi a`[ YgWkUZZYb`\UVYbž  
gcbXYfb'Ui Wk`Y]b`\_UfYg`NY]WkYb`gYhnhYbž'k ]Y`gY`Vgh]b'i fVUbYb  
F`Ài a`Yb`XYf'Ö`c`c[ ]gWkY`i »UVXfi W`\_j Yff]b[ Yfh'k YfXYb`\_Ubb"  
⇒f`A ]b]\Ui g`Ui ZXYa`8UWk`Y]bYf'U`hYb`K Yf\_ghUhh]gh'Y]b  
]bgd]f]YfYbXYg'6Y]gd]Y`ZØf'j ]Y`Y`UbXYfYž'X]Y`bUWk`\_fYUh]j Yb'i bX  
bUWk\U`h][ Yb`K c`b`Ögi b[ Yb`gi WkYb"

8YhU]`g

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