

6Ui UfVY]hYb`Ui Z`5, .`J c`gdYffi b[ `i bX  
I a `Y]hi b[ Yb`VY]`BYi b\_]fWXYb

J c`gdYffi b[ `Ui Z`5, `VY]`BYi b\_]fWXYb`UV`\*`GYdhYa VYf  
Yfk UfhYh" I a `Y]hi b[ Yb`i bX`J Yf\_Y`fgVY`bXYfi b[ Yb`g]bX  
Y]b[ Yd`Ubh"

5i ZXYf`5i hcVU`b`5, ž]b`XYf`B`A`Y`j`cb`BYi b\_]fWXYb!CVYfghUXhž  
ghY`Yb`J`Yf\_Y`fghY]`bY`a`YbXY`j`cf`Y]bYf`YfbYi`hYb  
<YfUi`gZcfXYfi`b["`8Yf`9fgUhbYi`VUi`XYf`?`UgVfi`W`hU`VfØW`Y  
Vf]b[`h`VU`X`VUi`]WXY`J`Yf`AbXYfi`b[`Yb`a`]hig]W`ž`X]Y`Y]bY  
J c`gdYffi b[ `XYf`5i hcVU`b`j`Yf`Ub[`Yb`"8]Y`J`Yf`Ubhk`cfh`WXYb`j`cb  
XYf`B]YXYf`Uggi`b[`K`Ygh`XYf`5i hcVU`b`;`a`V<`XYg`6i`bXYg  
VYfY]hYb`i`a`ZUggYbXY`A`U»`bU`a`Yb`j`cf`ž`i`a`X]Y  
J`Yf\_Y`fgg]WXYf`Y]h`k`A`fYbX`X]YgYf`bYi`Yb`6Ui`d`UgY`ni  
[`Yk`A`f`Y]ghYb"

⇒`XYf`B`UW`h`ni`:`fY]hU[`ž`XYa``\*`"GYdhYa`VYf`&\$&(`ž`k`]fX`X]Y  
F]W`hi`b[`gZU`fVU`b`@`I`Ya`Vi`f[`nk`]gWXYb`XYb`5bgW`i`ggghY`Yb  
K`Y`Ygk`Y]Yf`i`bX`BYi`b\_]fWXYb!CVYfghUXh`ZØf`XYb`J`Yf\_Y`f  
[`YgdYffh`"8]YgY`A`U»`bU`a`Y`VY[`]bb`hi`a`&\$.\$\$`i`f`i`bX`]gh  
j`cfUi`gg]W`h]W`V]g`A`cbhU[`ž`XYb`-`"GYdhYa`VYf`&\$&(`ž`i`a`i`\$).\$\$  
I`f`b`ch`k`YbX][`"8]Y`5i`hcVU`b`;`a`V<`k`Y]gh`XUfUi`Z`]bž`XUgg`XUg  
5fVY]hgnY]hZYbghYf`YXcW`j`cb`XYb`K`]hYfi`b[`gVYX]b[`i`b[`Yb  
UV`A`b[`][`]ghž`k`Ug`VYXYi`hYb`\_`Ubbž`XUgg`g]W`X]YgY`NY]hd`AbY  
\_i`fnZf]gh][`AbXYfb`\_`ObbhYb"

I a `Y]hi b[ Yb`i bX`5i gk ]f\_i b[ Yb`Ui Z`XYb  
J Yf\_Y`f

I a`XYb`ØVYffY[`]cbU`Yb`J`Yf\_Y`f`k`A`fYbX`XYf`GdYffi b[`]b  
F]W`hi b[`]@`I`Ya`Vi`f[`]ni`VYk`A`h][`Ybž`k`i`fXY`Y]bY

l a `Y]hi b[ gghfYW\_Y`ZYgh[ Y`Y[ h"5V`XYf`5bgW`i gghY``Y`?c\`cZ  
k ]fX`XYf`J Yf\_Y`f`ØVYf`X]Y`@`%`( `gck ]Y`X]Y`@]a VUW`Yf`GhfU»Y`i bX  
Nk Y]VfØW\_Y`f`GhfU»Y`bUW` : i fdUW` [ Y`Y]hYh`i a `ni f  
5bgW`i gghY``Y`C VYfghUXh`ni ` [ Y`Ub[ Yb" : Øf`XYb`fY[ ]cbU`Yb  
J Yf\_Y`f`V`Y]Vh`B`Yi b\_]fW`Yb`k Y]hYf`\]b`ØVYf`X]Y`5bgW`i gghY``Y  
K Y``Ygk Y]Yf`YffY]W`VUF"

Hfchn`XYf`HUhgUW`Yž`XUgg`X]Y`5fVY]hYb`Ua `K cW`Yb`YbXY`]b`Y]bYf  
j Yf\_Y`f`g`Åfa YfYb`NY]h`Xi fW` [ YZØ`fh`k YfXYbž`]gh`a ]h  
J Yf\_Y`f`g`VY`Y]bXYfi b[ Yb`ni `fW`bYb"8]Y`5i hcVU`b` ; a V<  
UddY``Y]f`h`Ub`X]Y`5i hcZU`fYf.]bbYbž`X]Y`J Yf\_Y`f`gg]hi Uh]cbYb  
Ui Za Yf\_gUa `ni `VYcVUW`hYb`i bX`X]Y`Xi fW` [ YgU[ hYb  
≠Zcfa Uh]cbYb`]a `Fi bXZ` b\_`ni `VYfØW\_g]W`h][ Yb"9g`k ]fX  
Ya dZc`Ybž`[ YbØ[ YbX`NY]h`ZØf`X]Y`l a `Y]hi b[ `Y]bni d`UbYbž`i a  
i bYfk UfhYhY`J YfnØ[ Yfi b[ Yb`ni `j Yfa Y]XYb"

≠]`fYa `5b`]Y[ Ybž`Y]b`a Ø[ `]W`gh`g]W`YfYg`i bX`nØ[ ][ Yg  
: cfh\_ca a Yb`ni ` [ Yk Å`f`Y]ghYbž`V]hhYh`X]Y`5i hcVU`b` ; a V<`i a  
FØW\_g]W`hbU`a Y`]a `J Yf\_Y`f`"8]Y`l a `Y]hi b[ gghfYW\_Yb`\_ØbbhYb  
Ui Z[ fi bX`XYf`Yf`Ø`hYb`J Yf\_Y`f`g`VY`Ughi b[ Yb`YVYbZU`g`Yhk Ug  
`Ub[ gUa Yf`j Yf`Ui ZYb"8 Ug`J Yfgh`ÅbXb]g`XYf  
J Yf\_Y`f`ghY`]bY`a YbXYb`ZØf`X]Y`bchk YbX][ Yb`A U»bU`a Yb`ni f  
J YfVYggYfi b[ `XYf`≠ZfUghfi \_hi f`k ]fX`U`g`YggYbn]Y``YfUW`hYh"

8]YgY`6Ui a U»bU`a Y`]gh`HY`]Y]bYg`[ fØ»YfYb`Dfc`Y`\_hgž`XUg`XUfUi Z  
UVn]Y`hž`X]Y`6fØW\_Ybg]W`Yf`Y]h`ni `Yf`Ø`Yb`i bX`X]Y  
J Yf\_Y`f`g]bZfUghfi \_hi f`]b`XYf`fY[ ]cb`ni `a cXYfb]g]YfYb"  
J Yf\_Y`f`gg]W`Yf`Y]h`U`h`ØW`ghY`Df]cf]h`hž`i bX`X]YgY`D`UgY`XYg  
B`Yi VUi g`]gh`Yb`hgW`Y]XYbX`ZØf`X]Y`Ub[ Zf]gh][ Y` ; Ygi bX`Y]h`XYf  
J Yf\_Y`f`gk Y[ Y`]b`8Yi hgW`UbX"8]Y`Vi bXYgk Y]hY  
J Yf\_Y`f`gcf[ Ub]gUh]cb`nY][ h`g]W`VYa Ø`hž`6U`i b[ gfÅi a Y`i bX  
k ]W`h][ Y`J Yf\_Y`f`gUW`gYb`]bghUbX`ni `U`hYb`i bX`Ub`X]Y  
ghY][ YbXYb`5bZcfXYfi b[ Yb`XYf`A cV`]h`h`Ubni dUggYb"

8]Y`5i hcVU`b` ; a V<`a ØW`hY`XYb`J Yf\_Y`f`ghY`]bY`a YbXYb`]cf  
6Y[ ]bb`XYf`5fVY]hYb`Y]b][ Y`k ]W`h][ Y`<]bk Y]gY`Ubg`<Yfn`Y[ Yb"9g  
]ghfUhgUa ž`U`hYfbUh]j Y`F`ci hYb`]a `J cfUi g`ni `d`UbYb`i bX`ZYI ]VY`  
Ui Za Ø[ `]W`Y`J Yf`ÅbXYfi b[ Yb`ni `fYU[ ]YfYb"5i W`X]Y

6YfØW\_g]W h[ i b[ j cb J Yf\_Y\fgdfc[ bcgYb'i bX'A Y'Xi b[ Yb'\_Ubb  
\Y`ZYbž'X]Y'UbghY\YbXYb'<YfUi gZcfXYfi b[ Yb'ni 'VYk Å'h][ Yb"  
8i fW 'Y]bY'i a g]W h][ Y': U\fk Y]gY'i bX'; YXi 'X'k Å\fybX'XYf  
I a 'Y]hi b[ gd\UgY''UggYb'g]W 'I bUbbY\ a ' ]W \_Y]hYb'a ]b]a ]YfYb"

8i fW 'X]Y'9fbYi Yfi b[ 'XYf'? UgVfi W hU'vfØW\_Y'nY][ hig]W 'X]Y  
5i hcVU\b'; a V< 'YbhgW`cggYbž'Y]bYb'6Y]hfU[ 'ni f'J YfVYggYfi b[  
XYf'J Yf\_Y\fg]bZfUghfi \_hi f'ni 'Y]ghYb'i bX[' 'Y]W nY]h][ 'X]Y  
G]W Yf\Y]h'Ui Z'XYb'GhfU» Yb'ni 'Yf\Ø\Yb"'8]YgY'A U» bU\ a Yb'g]bX  
b]W h'bi f' bchk YbX][ ž'gcbXYfb'Ui W 'Y]b'NY]W Yb'XYf  
J YfUbhk cfhi b[ '[ Y[ YbØVYf'U''Yb'J Yf\_Y\fghY]'bY\ a Yfb"

8YhU]`g

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