

K ]Y `? ≠DcXWUgh]b [ `fYj c`i h]cb]Yfh. `B Yi Yg  
: cfa Uh`ZØf`@Yfb]b \ U`hY

9bhXYW\_Yb`G]Yž`k ]Y`5fh]WYL ž`Y]b`? ≠Hcc`ž`X]Y`DcXWUgh!K`Y`h  
fYj c`i h]cb]Yfhž`]bXYa`Yg`≠\U`hY`YZZ[n]Ybh`]b`YgVUFY`5fh]\_Y`  
j`Yfk`UbXY`h"

⇒ `NY]hU`hYf`XYf`fUgUbhYb`hYWX`bc`c [ ]gWX`Yb`9bhk ]W\_`i b [ ` [ Yk ]bbh  
X]Y`J`Yfk`YbXi b [ `j`cb`?Øbgh`]WX`Yf`≠hY`][`Ybn`f? ≠]b`j`YfgWX`]YXYbYb  
6fUbWX`Yb`ni bY`a`YbX`Ub`6YXYi`hi b [ ` " `≠gVYgcbXYfY`X]Y`DcXWUgh!  
≠Xi`ghf]Yž`X]Y`g]WX`j`cb`Y]bYf`B`]gWX`Ybi`bhYf`U`hi b [ `ni`Y]bYa  
YhUV`]YfhYb`A`YX]i`a` [ Yk`UbXY`h`\Uhž`d`fc`Z]h]Yfh`Yf`YV`]WX`j`cb  
X]YgYb`≠bcj`Uh]cbYb`"9]bY`VYa`Yf`\_Ybgk`YfhY`9bhk ]W\_`i b [ `]b  
X]YgYa`6YfY]WX`]gh`X]Y`9]bZØ`fi b [ `j`cb`5fh]WYL`ž`Y]bYa`? ≠  
[`YghØhnhYb`Hcc`ž`XUg`XUg`DchYbn]U` \ Uhž`X]Y`5fh`i bX`K`Y]gYž`k ]Y  
DcXWUgh!≠\U`hY`j`YfØZZYbh]WX`hi bX`\_cbgi`a`]Yfh`k`YfXYbž  
[`fi bX`Y [ YbX`ni`j`YfÀbXYfb"

8 ]Y`<`YfUi`gZc`fXYfi`b [ `X`Yf`≠\U`hgd`fc`Xi`\_]h]cb`b

8 ]Y`9fghY`i b [ `Y]bYg`gdUbbYbXYb`DcXWUgh!9d]gcXYb`YfZc`fXYfh  
Yf`YV`]WX`Y`5bghfYb [ i b [ Yb`"J`cb`XYf`HYWX`b]\_Ui`gfØghi b [ `V]g`\]b  
ni`f]b\U`h]WX`Yb`F`YWX`YfWX`Y`g]bX`X]Y`c [ ]gh]gWX`Yb`5bZc`fXYfi b [ Yb  
\cW`"8Yf`5i`Zk`UbX`k`]fX`bcW` [ fØ»`Yfž`k`Ybb`ni`gÀhn`]WX`Y]b  
VY [ `Y]hYbXYf`5fh]\_Y`YfghY`h`k`YfXYb`gc`ž`i`a`X]Y`≠\U`hY`ni  
Yfk`Y]hYfb`i bX`ni`gÀhn`]WX`Y`≠Zc`fa`Uh]cbYb`VYfY]hni`ghY`Yb`"<]Yf  
\_ca`a`h`5fh]WYL`]bg`Gd]Y`"

K ]Y`Zi`b`\_]h]cb]Yfh`5fh]WYL`3

8 Ug`? ≠Hcc`j`Yfk`YbXYh`XUg`Zc`fhgWX`f]h]WX`Y` ;`DH!`(!A`cXY`j`cb  
C`dYb5`ž`i`a`DcXWUghg`]b`Y]WX`h]Y`fgh`ÀbX`]WX`Y`5fh]\_Y`ni

j Yfk UbXY`b"8]YgYf`DfcnYgg[ Y\hØVYf`X]Y`V`c»Y`HfUbg\_f]dh]cb  
\  
]bUi g"5fh]WYL`Yf\_Ybbh`X]Y`GW`ØggY`di b\_hY`XYf`8]g\_i gg]cb`i bX  
dfÅgYbh]Yfh`X]YgY`]b`Y]bYa`\_`UfYbž`ni gUa`a`Yb\`Åb[ YbXYb`:`cfa`Uh`  
8]Y`Ui`hca`Uh]g]YfhY`ϕhY[ fUh]cb`j`cb`A`i`h]a`YX]U!ϕ\U`hYb`gcf[ h  
XUZØfž`XUgg`X]Y`5fh]\_Y`Ubgd`fYVW`YbX`i`bX`]bZcfa`Uh]j`V`Y]VYb"

## 9]b`j`Yf`hf`Ui`Yb`gk`Øf`X][`Yg`Hcc`ZØf`Dc`XWUghYf`

: Øf`j`]Y`Y`ϕ\U`hY!DfcXi`nYbhYbž`X]Y`VYfY]hg`a`]h`nY]h`]W`Ya`8fi`W\_  
\_Åa`dZYbž`V]YhYh`5fh]WYL`Y]bY`k`Yfhj`c`Y`@Øgi`b[ "8Ua`]h`\_ØbbYb  
g]Y`b]W`h`bi`f`]\`fY`5i`X]c]b\U`hY`]b`g`W`f]Zh]W`Yf`:`cfa`Ui`ZYfY]hYbž  
gcbXYfb`Ui`W`XYfYb`G]W`hV`Uf`\_Y]h]a`ϕhYfbYh`Xi`fW  
Gi`W`a`Ug`W`]bYb`cd]h]a`]Yfi`b[ `Yf\`Ø\`Yb"8]Yg`]gh`Y]b  
Ybhg`W`Y]XYbXYf`J`cfhY]ž`XU`G]W`hV`Uf`\_Y]h`X]fY`\_h`X]Y`F`Y]W`k`Y]hY`i`bX  
ϕhYfU\_h]cb`a`]h`XYa`Di`V`\_i`a`VY]bZi`ggh"

## 8]Y`6YXYi`hi`b[ `XYf`a`cXYfbYb`

### @Yfba`Yh\`cXYb`

8]Y`ϕhY[ fUh]cb`j`cb`5i`X]cdc`XWUgh]b\U`hYb`]b`g`W`f]Zh]W`Y`:`cfa`UhY  
\_ØbbhY`Ybhg`W`Y]XYbX`gY]b`ZØf`X]Y`5fh`i`bX`K`Y]gYž`k`]Y  
ϕZcfa`Uh]cbYb`j`Yfa`]hY`h`k`YfXYb"8]Ghi`X]Yb`nY][`Ybž`XUgg`gck`c\  
XUg`@YgYb`U`g`Ui`W`XUg`<`ØfYb`[ `Y]W`k`Yfh][`Y`@Yfba`Yh\`cXYb  
V]`XYb"5fh]\_Y`ž`X]Y`a`]h`Dc`XWUgh!ϕ\U`hYb`\_ca`V]b]Yfh`k`YfXYbž  
Yfk`Y]hYfb`XUg`@YfbYf`YVb]g`i`bX`Yf`Y]W`hYfb`XYb`Ni`[`Ub[ `ni  
K`]ggYb"8]Y`:`YI`]V]`]hÅhž`<`Øf]b\U`hY`UVni`gd]Y`Yb`i`bX`g]Y  
Ubg`W`]Y»`YbX`ni`Y`gYbž`Yfa`Ø[ `]W`h`Yg`XYb`?`cbgi`a`YbhYbž`XUg  
6YghY`Ui`g`VY]XYb`K`Y`hYb`ni`bi`hYb"

## 5i`gV`]W`\_`Ui`Z`X]Y`Ni`\_i`bZh`XYf`Dc`XWUgh!

### 6fUb`W`Y`

8]Y`9j`c`i`h]cb`XYf`Dc`XWUghg`]b`X]Y`F`]W`hi`b[`ž`XUgg`ϕ\U`hY`b]W`h  
bi`f[`Y\`Øfhž`gcbXYfb`Ui`W`[`Y`YgYb`i`bX`Yfk`Y]hYfh`k`YfXYb`\_ØbbYbž  
ghY`h`Y]bYb`Ybhg`W`Y]XYbXYb`G`W`f]h]b`XYf`A`YX]Yb`Ub`Xg`W`UZh`XUf`  
?`≠[`YghØhnhY`Hcc`g`k`]Y`5fh]WYL`Yfa`Ø[ `]W`Yb`Y]bY`bYi`Y`8]a`Ybg]cb  
XYg`7`cb`hYb`h`A`Uf`\_Yh]b[`gž`X]Y`gck`c`Dc`XWUghYfb`U`g`Ui`W`

Ni \ÖfYfb`ni [ i hY\_ca a h"9g]gh'ni `Yfk UfhYbž'XUgg'X]YgY  
HYWbc`c[ ]Yb`X]Y'6Uff]YfYb`k Y]hYf`UVVUi Yb`i bX`DcXWUghg`bcW  
ni [ Àb[ `]WYf`a UWYb`k YfXYb"

8YhU]`g

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