

? fmdhc!A ]b]b[ .! a k Y`hVY`Ughi b[ `i bX  
bYi Y`GhYi YfghfUhY[ ]Yb`]a `6`]W\_

8Yf`-A : `ZcfXYfh`Y]bY`XfUgh]gWXY`Ghfca ghYi YfYf\`Ø\i b[ `ZØf  
? fmdhc!A ]bYf`ni f`FYXi n]Yfi b[ `XYf`7C &!9a ]gg]cbYb`i bX  
: ØfXYfi b[ `XYg`l a k Y`hgWxi hnYg"



8 Ug`Yfk UfhYh`X]W`]b`X]YgYa `5fh]\_Y`

: Un]h`i bX`X]Y`Bchk YbX][ \_Y]h`Y]bYg`[ `cVU`Yb  
K UbXY`g

⊕`5bVYhfUW`h`XYf`ghY][ YbXYb`6YXYb\_Yb`]\]bg]W`h]W`XYg`?`]a U!  
i bX`l a k Y`hgWxi hnYg`ZcfXYfh`XYf`⊕hYfbUh]cbU`Y`K `À\fi b[ gZcbXg  
f`A : Łi a ZUggYbXY`A U» bU`a Yb`ni f`FY[ `Ya Ybh]Yfi b[ `XYf`? fmdhc!  
⊕Xi ghf]Y" `8Yf`-A : `YVh`\Yfj`cfZ`XUgg`Xf]b[ YbXYf  
< UbX`i b[ gVYXUfZ`VYghY`h`i a `X]Y`Yf`YV`]W`Yb  
l a k Y`hUi gk ]f\_i b[ Yb`XYg`? fmdhc!A ]b]b[ g`i bX`UbXYfYf  
YbYf[ ]Y]bhYbg]j Yf`HYW`bc`c [ ]Yb`k ]Y`?Øbgh]W`Yf`⊕hY`][ Ybn  
Ubni [ Y`Yb`"8]YgY`: cfXYfi b[ Yb`g]bX`b]W`h`bi f`Y]bY`FYU\_h]cb`Ui Z

X]Y`i ba ]hhY`VUFYb`Ò\_c`c[ ]gWXYb`<YfUi gZcfXYfi b[ Ybž`gcbXYfb  
Ui W`Y]b`5ddY``ZØf`Y]b`[ Ya Y]bgUa Ygž`[ `cVU`Yg`<UbXY`b"

9fgWk YfhYf`GhYi YfYf\ Ò\i b[ gdfcnYgg`c`b Y  
[ `cVU`Y`? ccfX]bUh]cb

Ni f`FYXi n]Yfi b[ `XYf`7C &!9a ]gg]cbYb`]a `? fmdhc!GY\_hcf`gW`À[ h  
XYf`A : `Y]bY`XfUgh]gWY`9f\ Ò\i b[ `XYf`Ghfca ghYi Yfb`Ui Z`A ]b]b[ !  
6Yhf]YVY`i a `; )i `j cf``8]Yg`\_ÒbbhY`À\`f]WXY`GhUUhgY]bbU\`a Yb  
j cb`V]g`ni `) ž&`A ]`UfXYb`8c``Uf`[ YbYf]YfYb``8]Y`<YfUi gZcfXYfi b[  
\YfVY]`Y[ h`YXcW`]b`XYf`[ `cVU`Yb`? ccfX]bUh]cbž`XU`Yg`Xi fWUi g  
a Ò[ `]W`]ghž`XUgg`A ]b]b[ !I bhYfbY\`a Yb`]fY`5\_hj ]h`hYb`]b`@AbXYf  
a ]h[ Yf]b[ YfYb`Ghfca \_cghYb`j Yf`U[ Yfbž`k Ug`X]Y`9ZY\_hj ]h`h  
X]YgYf`A U» bU\`a Yb`]b`: fU[ Y`ghY``h"

G]b]bj c``Y`@Ògi b[ Yb`ZØf`X]Y`Ni \_i bZh

Ni g`Àh`]W`ni f`6YghYi Yfi b[ `j cb`? fmdhc!A ]b]b[ `gW`À[ h`XYf`A :  
j cfž`Y]bY`À\`b`]WXY`GhYi Yf`ZØf`Ghfca j YfVfUi W`]b`FYWXYbnYbhYb  
Y]bni ZØ\`fYbž`X]Y`? Øbgh]WXY`b`hY``[ Ybn`bi hnYb``8]Y`Ub[ YghfYVhY  
GhYi Yf``Y[ h`VY]`~ \$ž\$' &`dfc`?]`ck Uhhghi bXY``Gc`WXY`A U» bU\`a Yb  
n]Y`Yb`XUfUi Z`UVž`XYb`ghY][ YbXYb`9bYf[ ]YVYXUfZ]b`X]YgYb  
6YfY]WXYb`bUW\`U`h][ `ni `[ YghU`hYb`i bX`i a k Y`hžFYi bX`]WXY  
HYW`bc`c[ ]Yb`ni `ZØfXYfb"

8 Ug`U``[ Ya Y]bY`6Yk i gghgY]b`i bX`X]Y  
k ]fhgW UZh`]WXYb`: c`[ Yb

8]Y`8YVUhhY`ØVYf`X]Y`i a k Y`hUi gk ]f\_i b[ Yb`XYg`? fmdhc!A ]b]b[ g  
k ]fX`]bhYbg]j Yf`[ YZØ\`fhž`]bgVYgcbXYfY`XU`]a a Yf`a Y\`f`\_Y]bYfY  
I bhYfbY\`a Yb`Xi fW`XYb`: Yfbk YW`gY`\_i fg]j cb`6]hW`]b`i bX  
A Uf\_hj Yf`AbXYfi b[ Yb`i bhYf`8fi W`\_[ YfUhYb``8]YgY`i bhYfbY\`a Yb  
\_ÒbbhYb`[ Ynk i b[ Yb`gY]bž`g]W`bUW`YbYf[ ]YZZ]n]YbhYb  
5`hYfbUh]j Yb`i a ni gY\`Yb`cXYf`]fY`DfcXi \_]cb`]b`FY[ ]cbYb`a ]h  
b]YXf][ YfYb`9bYf[ ]Y\_cghYb`ni `j Yf`U[ Yfb``8]Y`k ]fhgW UZh`]WXYb  
: c`[ Yb`g]bX`XUa ]hi bØVYfgY\`VUf.`9]b`i a XYb`\_Yb`]gh`bchk YbX][ ž  
i a `X]Y`Ni \_i bZh`X]YgYf`6fUbWXY`ni `g]WXYfb"

8 Yf'8 fi W\_ 'Ui Z'X]Y 'l a k Y`h'Xi fW\ '? fmdhc!

A ]b]b[

⇒'XYb'\_ca a YbXYb'ϰ\ fYb'\_ŌbbhY'XUg'? fmdhc!A ]b]b[ 'Ui h'≠A : 'V]g  
ni '\$ž+i 'XYf['`cVU`Yb'7C &!9a ]gg]cbYb'Ui ga UW\Ybž'k Ug'X]Y  
8 f]b[ 'W\ \_Y]h]j cb'A U» bU\ a Yb'ni f'FYXi n]Yfi b[ 'X]YgYf  
9a ]gg]cbYb'i bhYfghfY]W\ h"8 ]YgY'9bhk ]W\_ 'i b[ Yb'n]Y\Yb'b]W\ h'bi f  
VY\ŌfX`]W\ Y'FYU\_h]cbYb'bUW\ 'g]W\ ž'gcbXYfb'\UVYb'Ui W\  
5i gk ]f\_i b[ Yb'Ui Z'XUg'ŌZZYbh']W\ Y'6Yk i gghgY]bž'XUg'ni bY\ a YbX  
Ui Zi a k Y`hžFYi bX`]W\ Y'DfU\_h]\_Yb'K Yfh'Y[ h"

8 YhU]`g

6Ygi W\ Yb'G]Y 'i bg'Ui Z. '\_fmdhc!bYk g"Uh