

B Yi Y`DUfhbYfgW\ UZh. `7 fmdhc "Wca `Vf]b [ h  
? fmdhc `]b`X]Y`l 9: 5`7\Ua d]cbg`@YU[ i Y

8]Y`l 9: 5`7\Ua d]cbg`@YU[ i Y`\_ØbX][ h`Y]bY`Yl \_`i g]j Y  
DUfhbYfgW\ UZh`a ]h`7 fmdhc "Wca `Ubž`i a `XUg` : UbYf`YVb]g  
Xi fW `? fmdhc! ðhY [ fUh]cb`ni `j YfVYggYfb"

8]Y`j YfV]bXi b [ `nk ]gW\Yb`? fmdhc k Å\fi b [ Yb`i bX`Gdcfh`b]a a h  
]a a Yf`a Y\f` ; YghU`h`Ubž`i bX`X]Y`Øb [ ghY`DUfhbYfgW\ UZh`j cb  
7 fmdhc "Wca `a ]h`XYf`l 9: 5`7\Ua d]cbg`@YU[ i Y`]gh`Y]b`VYXYi hYbXYf  
GWf]h`i]b`X]YgYa `HfYbX" `8i fW `X]YgY`a Y\f`Å\f][ Y  
Ni gUa a YbUfVY]h`k ]fX`XUg`N]Y`j YfZc` [ hž`XUg` : UbYf`YVb]g`ni  
j YfVYggYfb`i bX`? fmdhc k Å\fi b [ Yb`dfca ]bYbh`i]b`XYf` : i » VU`!K Y`h  
ni `YhUV`]YfYb"

8]Y`6YXYi hi b [ `XYf`DUfhbYfgW\ UZh`ZØf`X]Y  
Gdcfhk Y`h

8]YgY`DUfhbYfgW\ UZhž`X]Y`Ua `%( "5i [i gh&\$&( `a ]h`XYa `l 9: 5  
Gi dYf`7i d`]\fYb`cZZ]n]Y`Yb`5i ZhU`\_h`ZY]Yfb`k ]fXž`]gh`Y]b`NY]W\Yb  
XUZØfž`k ]Y`? fmdhc! D`UhZcfa Yb`j Yfgi W\Ybž`i]b`XYf`GdcfhUfYbU` : i »  
ni `ZUggYb" `8]Y` ðhY [ fUh]cb`j cb`? fmdhc k Å\fi b [ Yb`i]b`XYb`Gdcfh  
gW\ UZh`b]W\h`bi f`bYi Y`A Ò [ `]W\`\_Y]hYb`ZØf` : Ubgž`gcbXYfb`Ui W`ZØf  
X]Y`A Uf`\_YbXUfghY`i b [ `j cb`7 fmdhc "Wca "

9b [ U [ Ya Ybh`ZØf` : Ubg`i bX`X]Y`F c`Y`j cb  
Gdcfha Uf`\_Yh]b [

8]Y`Ni gUa a YbUfVY]h`i a ZUggh`GhUX]cbU`\_h] ]Yfi b [ Ybž  
, VYfhfU [ i b [ g]bhY [ fUh]cbYb`i bX`gdYn]Y`Y`K YfVY`\_Ua dU [ bYbž`X]Y  
XUfUi ZUVn]Y`Ybž`XUg`9b [ U [ Ya Ybh`XYf` : Ubg`ni `ghY][ Yfb`" Ghj Yb

?U`Zck ]hž7\]YZA Uf\_Yh]b[ `CZZ]Wf`j cb`7fmdhc"Wča ž`YVh`Yfj cfž  
XUgg`X]Y`I 9: 5`7\Ua d]cbg`@YU[ i Y`Y]bY`[ fc»Y`5bn]Y\i b[ g\_fUZh  
\Uhi bX`]XYU`]ghž`i a `X]Y`A ]gg]cb`XYg`I bhYfbY\ a Ybg`ni  
j YfVfY]hYb. ?fmdhc k `À\fi b[ Yb`ZØf`Y]b`VfY]hYfYg`Di V`\_i a  
ni [ `Àb[ `]W`ni `a UW`Yb" `8]YgY`GhfUHY [ ]Y`\_ØbbhY`dchYbn]Y``ni  
Y]bYf`k YgYbh`]W`Yb`9f\Ø\i b[ `XYf`Bi`hYfVUg]g`ZØ\fyb"

8 Yf`K Y[ `]b`X]Y`Gdcfhk Y`h`ZØf`?fmdhc!  
I bhYfbY\ a Yb

8]Y`DUfhbYfgW`UZh`a ]h`XYf`I 9: 5`]gh`b]W`h`X]Y`YfghY`]`fYf`5fh`ZØf  
7fmdhc"Wča "`6YfY]hg`]a `A`Àfn`&\$&&`k i fXY`XUg`I bhYfbY\ a Yb`XYf  
YI`\_i`g]j`Y`?fmdhc!Gdcbgcf`XYf`i` ÷`5!K`Y`ha`Y]ghYfgW`UZh`]b`?Uhf  
i bX`\UhigY]h`&\$&%`Ui`W`Y]bY`VYXYi`hYbXY`F`c`Y`]b`XYf`I`h`a`UHY  
: ][\h]b[ `7\Ua d]cbg\]d`fi : 7Ł" `8UHU`nY][`hž`XUgg`?fmdhc!  
I bhYfbY\ a Yb`]b`XYb`Y`hnhYb`Y\`fYb`j`Yfgh`Àf`\_h`]b`Gdcfh!Gdcbgcf]b[  
]bj`Ygh]Yfh`\UVYbž`k`Ug`X]Y`k`UW`gYbXY`J`YfV]bXi`b[ `nk`]gW`Yb  
X]YgYb`VY]XYb`6YfY]W`Yb`j`YfXYi`h`]W`h"

9]bY`6fUbW`Y`]a`5i`ZgW`k`i`b[ `hfc`hn  
< YfUi`gZcfXYfi`b[ Yb

8]Y`?fmdhc!6fUbW`Y`\Uh`]b`XYb`Y`hnhYb`Y\`fYb`Y]b][`Y  
< YfUi`gZcfXYfi`b[ Yb`Xi`fW`Y`Vhž`]bgVYgcbXYfY`bUW`XYa  
Ni`gUa`a`YbVfi`W`XYf`XUa`U`g`gY\`f`Ub[ YgY\YbYb`6ØfgY`i`HL`"Hfc`hn  
X]YgYf`F`ØW`\_gW``À[ Y`nY][`h`XYf`9fZc`[ `j`cb`7fmdhc"Wča`i`bX`UbXYfYb  
I bhYfbY\ a Yb`k`]Y`YHcfcž`XUgg`Y]b`bYi`Yf`C`dh]a`]ga`i`g`9]bni [ `À`h"  
K`À\fybX`j`]Y`Y`?fmdhc!A`Uf`\_Yb`]`fYb`Gdcbgcf]b[ !8YU`g[ Y[ YbØVYf  
\_f]h]gW`Y]b[ YghY`h`g]bXž`bi`hYb`X]Y`YfZc`[ fY]W`Yb`A`Uf`\_Yb`X]YgY  
DUfhbYfgW`UZh`Ybž`i`a`g]W`]b`XYf`Gdcfhk`Y`h`ni`d`cg]h]cb]YfYb"

GW` `i`ggZc`[ Yfi`b[

8]Y`DUfhbYfgW`UZh`nk`]gW`Yb`7fmdhc"Wča`i`bX`XYf`I 9: 5  
7\Ua d]cbg`@YU[ i Y`]gh`a`Y`\f`U`g`bi`f`Y]b`Gdcbgcf]b[ !8YU`/g]Y`]gh  
Y]b`NY]W`Yb`ZØf`X]Y`g]W`k`UbXY`bXY`@UbXgW`UZh`XYg  
Gdcfha`Uf`\_Yh]b[ g``: Ubg`\_ØbbYb`g]W`Ui`Z]b`bc`j`Uh]j`Y`9f`YVb]ggY

i bX`bYi Y`K Y[ Y`ZfYi Ybž`i a`a`h`]\fYa`Gdcfhni`]bhYfU[ ]YfYb"  
K`À\fYbX`?fmdhc k`À\fi b[ Yb`k`Y]hYf\]b`]b`XYb`i: c`\_i`g`fØW`Ybž`k`]fX  
Yg`gdUbbYbX`gY]b`ni`VYcVUW`hYbž`k`]Y`X]YgY`8mbUa`]\_`X]Y`Ni`\_i`bZh  
XYg`Gdcfhg`VYY]bZi`ggYb`k`]fX"

<UZh`i b[ gUi`ggW`i`gg

⊕`i,`VYfY]bgh]a`a`i`b[`a`h`XYb`F`]W`h`b]Yb`XYg`Hfi`gh`Dfc`Y`W`h  
j`YfdZ]W`hY`h`g]W`i`6Y`⊕7fmdhc`ni`Y]bYf`i`bj`cfY]b[`Ybca`a`YbYbž  
hfUbgdUfYb`hYb`6Yf]W`hY`fghU`h`i`b[`"8]YgYf`5fh]\_Y`n]Y`h`XUfUi`Z`UVž  
[`YbUi`Y`i`bX`U`\_`hi`Y`Y`Y`⊕Zcfa`Uh]cbYb`ni`i`]YZYfb`"8Yb`@YgYfb`k`]fX  
Y`XcW`Y`a`dZc`Y`bž`X]Y`i: U`\_`hYb`i`bUV`\`Àb[`][`ni`ØVYfdfØZYb`i`bX  
Y]bYb`i: UW`a`Ubb`ni`\_`c`bgi`h]YfYbž`VYj`cf`g]Y`Ui`Z`XYf`i; fi`bX`U[`Y  
X]YgYg`⊕\`U`hg`9bhgW`Y]Xi`b[`Yb`hfYZZYb"

8YhU]`g

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