

< YfVgh`]W\ Y `B Yi VYgYhni b [ Yb.  
8 YnYfbYbhYbdcghYb `]b `XYf`GhUXh`]a  
: c\_i g

9fZi fhg`C VYfVØf[ Yfa Y]ghYf`VYgYhnh`\_ØbZh][ `XfY]  
: Ø\fi b[ gdcg]h]cbYb `]a `F Uh\Ui g`a ]h: fUi Yb" `8]Y  
9bhgW\Y]Xi b[ `V`Y]Vh`VY]a `GhUXhfUh` `6YghYbUi gk U\`]a  
: c\_i g"

B Yi Y : Ø\fi b[ gdcg]h]cbYb `]a `9fZi fhYf  
F Uh\Ui g. `9]b `GW\ f]hh`ni f` ; `Y]W\ ghY` `i b [ 3

⇒ 9fZi fhghY\Yb `]a `< YfVgh`k ]W\ h][ Y `DYfgcbU`YbhgW\Y]Xi b[ Yb`Ubž  
X]Y `b]W\ h`bi f`X]Y `GhUXhdc`]h]\_ž`gcbXYfb`Ui W\ `X]Y `8]g\_i gg]cb`ØVYf  
; YgW\ `YW\ hYf[ YfYW\ h][ \_Y]h]a `6Yfi Zg`YVYb `VYY]bZi ggYb`\_ØbbhYb"  
K Ybb `]a `ca a YbXYb`< YfVgh`XfY] `8 YnYfbYbhYbdcghYb `bYi  
VYgYhnh`k YfXYbž`k ]fX`X]Y `GdUbbi b[ `i bhYf`XYb`6Yk YfVYf]bbYb  
i bX`6Yk YfVYfb`ghY][ Yb" `8]Y `9bhgW\Y]Xi b[ ž`cV`X]Y `GhY`Yb`a ]h  
A ÅbbYfb`cXYf`: fUi Yb`VYgYhnh`k YfXYbž`]Y[ h`YXcW\ `VY]a  
GhUXhfUh`@Ui h`C VYfVØf[ Yfa Y]ghYf`<cfb`[ Y\Y`Yg`df]a Åfi a `X]Y  
5i gk U\`XYf`VYghYb`? UbX]XUh]bbYb`i bX`? UbX]XUhYbž`i bUV\Åb [ ]  
j cb`XYfYb` ; YgW\ `YW\ h"

K ]W\ h][ Y `8 YnYfbUhY `]a `: c\_i g

: c`[ YbXY`8 YnYfbYbhYbdcghYb `g]bX`VYhfcZZYb. `XUg`V]g\Yf`j ca  
C VYfVØf[ Yfa Y]ghYf`]bhYf]a ]gh]gW\ `a ]h`Y]bYf`: fUi `VYgYhnhY  
8 YnYfbUh`ZØf`C fXbi b[ `i bX`G]W\ Yf\Y]hž`XUg`8 YnYfbUh`ZØf`Gcn]U`Ygž  
š [ YbXž`6]Xi b[ `i bX` ; Ygi bX\Y]h`gck ]Y`XUg`?i `hi fXYnYfbUh`  
8Ua ]h`ghY\Yb`nYbhfU`Y`6YfY]W\ Y`]b`XYf`GhUXh] Yfk U`hi b[ `ni f  
B Yi VYgYhni b[ `Ubž`X]Y`Y]bYb`ghUf`\_Yb`9]bZi gg`Ui ZXUg`hÅ [ `]W\ Y  
@VYb`XYf`9fZi fhYf`6Øf[ Yf`\UVYb" `8]Y `DYfgcbU`YbhgW\Y]Xi b[ Yb

\_ÖbbhYb`U`g`NY]WkYb`Z0f`Y]bY`ni bY`a YbXY` ; `Y]WkVYfYWk h][ i b[ `]b  
: 0\fi b[ gdcg]h]cbYb`j YfghUbXYb`k YfXYbž`k Ug`]b`XYf`[ YgUa`hYb  
; YgY`gWkUZh] cb`6YXYi hi b[ `]gh"

2 ZZYbh`]WkYf`8]Ybgh`i bX`5bc bma ]hÄh`VY]  
6Yk YfVi b[ Yb

8]Y`GhUXh] Yfk U`hi b[ `]j cb`9fZi fh`\Uh`YXcWk`Y]bY`6`]bXVYk YfVi b[ ž  
VY]`XYf`XUg; YgWk`YWk h`XYf`6Yk YfVYf`b]Wk h`Yf`\_YbbVUf`]ghž  
UV[ Y`Y`b h``8]Y`5f[ i a YbhUh]cb`\]YfVY]`]ghž`XUgg`Y]b`Ubcbma Yg  
5i gk U\`j YfZU`fYb`]a`ÖZZYbh`]WkYb`8]Ybgh`Ui Z[ fi bX`XYf  
nU\`fY]WkYb`Jcf[ UVYb`i bX`Jcf gWk`f]ZhYb`gWk`k]Yf][`i a ni gYhnYb  
gY]``Ni XYa`k]fX`VYhc b hž`XUgg`XYf`dYfgÖb`]WkY`9]bXfi W`i bX`XUg  
?YbbYb`YfbYb`XYg`6Yk YfVYfg`k YgYbh`]WkY`?f]hYf]Yb`]a  
5i gk U\`dfcnYgg`XUfghY``Yb"

8Yf`K Y[ `ni f`6YghYbUi gk U\`

C VYfV0f[ Yfa`Y]ghYf`<cfb`i bhYfghfY]Wk hž`XUgg`Y`hnhYbX`]Wk`X]Y  
6YghYbUi gk U\`YbhgWkY]XYbX`]gh``8]Yg`nY][ hž`XUgg`X]Y  
GhUXh] Yfk U`hi b[ `XYb` : c`\_i g`Ui Z`E`i U`]Z`\_Uh]cb`i bX`9][ bi b[ `Y[ Yb  
a ÖWk hYž`UbghUhh`Ui Z; YgWk`YWk hYfj YfhY]i b[ ``8YbbcWk`V`Y]Vh`X]Y  
: fU[ Yž`cV`X]Y`6Ya 0\i b[ Yb`i a`8]j Yfg]hÄh`i bX`; `Y]Wk ghY``i b[  
Ui Wk`]b`XYf`DfUi ]g`j Yfk ]f`\_]Wk h`k YfXYb`\_ÖbbYb`cXYf`cV  
VYghY`YbXY`Ghfi \_hi fYb`XYb` : cfhgWk`f]hh`VY`\]bXYfb"

6YXYi hi b[ `Z0f`X]Y`9fZi fhYf`; Ya`Y]bgWkUZh

K Ä`fYbX`XYf`8]g`\_i fg`0VYf`X]Y`; YgWk`YWk hYf[ YfYWk h][ \_Y]h  
k Y]hYf[ Y`hž`\_ÖbbhYb`X]YgY`BYi VYgYhni b[ Yb`]a`F Uh\Ui g`XUni  
VY]hfU[ Ybž`X]Y`F`Y`Y] Ubn`X]YgYf`H`Ya`Yb`]b`XYf`2 ZZYbh`]Wk`\_Y]h`ni  
ghÄf`\_Yb``8]Y`\_ca`a YbXYb`A`cbUhY`\_ÖbbhYb`XU`Yf`b]Wk h`bi f`X]Y  
ni \_0bZh][ Y`dc`]h]gWkY`@UbXgWkUZh]b`9fZi fh`dfÄ[ Ybž`gcbXYfb`Ui Wk  
Y]bYb`VYXYi hYbXYb`GWk`f]h`i]b`F]Wk hi b[ `; `Y]Wk ghY``i b[ `Ua  
5fVY]hgd`Uhn`XUfghY``Yb``8]Y`9bhk ]W`i b[ Yb`k YfXYb`a`h]GdUbbi b[  
VYcVUWk hYhž`gck`c`\`j cb`GY]hYb`XYf`Dc`]h]\_Yf`U`g`Ui Wk`j cb`XYf  
9fZi fhYf`6Yj Ö`\_Yfi b[ "

8YhU]g

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