

; `ØW\_gVf]b[ Yf`cXYf`DYW j c[ Y`3`8 Ug  
8 fUa U`i a `nYfVfcW YbY` ; `ÀgYf`

⊕ `]\fYf`?c`i a bY`fYZY\_h]Yfh`6YU`K ]YgY`ØVYf`XUg  
A ]gg[ YgW ]W\_`a ]h`Y]bYa `nYfVfcW YbYb` ; `Ug`i bX`ZfU[ h  
6f]b[ Yb`GWYfVYb`k ]f\_`]W ; `ØW\_3

5U`Yb""?Øfn`]W `[ UV`Yg`]b`Y]bYa `[ Yk Ø`b`]W Yb`<Ui g`U`h`Y]b  
9fY][ b]gž`XUg`Ub`HfU[ ]\_ca ]\_`\_Ui a `ni `ØVYfV]YhYb`]gh""9g` \UbXY`hY  
g]W`i a `XYb`i b[ `ØW\_]W Yb` : U``Y]bYg[ fc»Yb` ; `Ugk UggYf[ `UgYgž  
XUg`]b`XYf`?ØW`Y`Ybh[ `]hhi bX`]b`i bnÅ`][ Y`Gd`]hYf`nYfVfUW""8Yf  
JcfZU``k ]fX`]b`XYf`\Yi h][ Yb`?c`i a bY`j cb`6YU`K ]YgY`U`g`5b`Ugg  
[ Ybca a Ybž`ØVYf`5VYf[ `Ui VYb`i bX`dYfgØb`]W Y` ; `ØW\_ga ca YbhY  
bUW`ni XYb`\_Yb"

K Ug`dUgg]Yfh`]ghž`]gh`b]W`h`bi f`VYXUi Yf`]W`ž`gcbXYfb`fi Zh`Ui W  
Y]bY [ Ub`n`gdYn]Y``Y` : fU[ Y`\Yfj cf.`6f]b[ h`Yg`k ]f\_`]W ; `ØW\_ž`k Ybb  
GWYfVYb`ni `6cXYb`ZU``Yb3`@Ui h`5VYf[ `Ui VY`gc``XUg`NYfVfYW Yb  
j cb` ; `Ug` ; `ØW\_`Vf]b[ Ybž`XcW`k ]Y`g]Y`h`Yg`]b`XYf`FYU`]hÅ`h`Ui g3`a  
: U``XYg`j ]Y`n]h]YfhYb` ; `UgXYVU\_`Y`g`k Uf`Yg`Y`Yf`Y]bY`\]h][ Y  
5i ZfÅ`i a U\_h]cb`U`g`Y]b` ; fi bX`ni `ZY]Yfb""8]Y`GWYfVYb`XYg` ; `UgYg  
YffY]W`hYb` ; YgW`k ]bX][ ]\_Y]hYb`j cb`V]g`ni `) \$\$\$  
Ghi bXYb\_]`ca YhYfbž`k Ybb`a Ub`XYb`9fnÅ`i b[ Yb`[ `Ui VYb`XUfZ`  
9]b` ; `Ugž`XUg`j ca `?ØW`Ybh]gW`Z]Y`ž`j Yfk UbXY`hY`g]W`]b`Y]bYb  
[ YZÅ`\f`]W Yb`FY [ Yb`Ui g`Gd`]hYfbž`k Ug`X]Y` : fU[ Y`bUW`XYa` ; `ØW\_  
b]W`h[ YfUXY`i bhYfghØ`hY"

### 5VYf[ `Ui VY`i bX`X]Y`FYU`]hÅ`h

K ]Y`j ]Y`Y`A YbgW`Yb`k ]ggYbž`[ ]Vh`Yg`]a `⊕hYfbYh`Y]bY` : Ø`Y`Ub  
⊕Zcfa Uh]cbYb`ØVYf` ; `ØW\_`i bX`DYW`ž`i bX`X]Y`⊕hYfdFYhUh]cbYb  
g]bX`cZi`i bhYfgW ]YX`]W""8Yf`Gdfi W` GWYfVYb`Vf]b[ Yb` ; `ØW\_

\_ÖbbhY`Ui g`Y]bYf`NY]hghUa a Ybž`b`XYf`HcbgWXYfVYb`<cZZbi b[  
Ui ZK c`ghUbX`i bX`G]WXYf\Y]hj YfgdfUWXYb`"HUhgUWXY`]gh`YXcWž  
XUgg`XUg`a cXYfbY`J Yfgh`AbXb]g`XYf`K Y`h`cZhj Yfa ]gW`h`k ]fX`a ]h  
U`hYb`A mh`Yb`"8Yf`; `Ui VYž`XUgg`nYfVfcWXYbYg; `Ug; `ØW`Vf]b[ hž  
k ]fX`Xi fW`X]Y`FYU`]h`h`XYg`5i Zf`Ai a Ybg`gW`bY`"YbhnUi VYfh"  
K ]YgY`VYf]W`hY`hj cb`]\fYa `Y][ YbYb; `ØW`gni ghUbXž`XYf`VY]a  
FYW`W`b`XYf`nYfVfcWXYbYb`HY]`Y`b]W`h`[ YfUXY`Ui ZV`Ø`hY"

; `ØW`i bX; `Ug` `k ]Y`Y]W`h`Vf]W`h`XUg ž`\_ÖbbhY`a Ub`li a cfj c`  
Uba Yf\_Yb`" ð`X]YgYa `gdYn]Z]gWXYb; U`k Uf`XUg`l b[ `ØW`gW`k Yf  
[ Yk ]W`h][ ži bX`X]Y`j Yfa Y]bh]WXYb; `ØW`gd`AbY`i bX`XUg  
: fYi XYb[ YZ`Ø`\`V`]YVYb`]b`XYf`9W`Y`]Y[ Ybž`k `A`fYbX`XUg  
5i Z\_Y`fYb`XYf`G`WXYfVYb`ni f`<Ui dhVYgW`ÄZh][ i b[ `k`i fXY`"5i W`  
k Ybb`Yg`j ]Y`Y`gW`ÖbY`CV`Y`\_hY`[ ]Vhž`X]Y`XUg`@YVYb`VYfY]WXYfbž`]gh  
XUg`NYfVfYWXYb`Y]bYg`]YV[ Yk cbbYbYb; `UgYg`j Yfa i`h`W`b]W`h  
XYf`ðVY[ f]Z]j cb; fYi XY"

8]Y`5i gY]bUbXYfgYhni b[ `a ]h`U`hYb`Gdf]W`k ÖfhYfb`nY][ h`i bgž`XUgg  
g]W`i bgYf`J Yfgh`AbXb]g`ØVYf`X]Y`6YXYi hi b[ `gc`WXYf  
FYXYk YbXi b[ Yb`ØVYf`X]Y`ð\`fY`Yb`k ]W`Y`h`\Uh": fØ`Yf`k UfYb  
nYfVfcWXYbY`HcbgWXYfVYb`k ca Ö[ `]W`Y]b`NY]WXYb`ZØf`, VYfZi gg  
i bX`G]WXYf\Y]h`<Yi hY`ZØ`fh`XUg`NYfVfYWXYb`Y]bYg; `UgYg`]b`Y]bYf  
a cXYfbYb`?ØWXY`Y`Yf`ni : fi ghfUh]cb`i bX`Y]bYf`[ Yk ]ggYb  
HfUi f][ \_Y]h"

Ni gUa a Yb[ YZUggh`\_Ubb`a Ub`gU[ Ybž`XUgg`XUg`A ]gg[ YgW`]W`ž  
k Y`WXYg`6YU`K ]YgY`k ]XYfZU`fYb`]ghž`k Yb][ `a ]h; `ØW`i bX`j ]Y`a ]h  
XYf`B`chk YbX][ \_Y]h`ni `hi b`\Uhž`g]W`j cb`XYf`J Yf[ Ub[ Yb`Y]h`ni  
`ÖgYb`i bX`Y]bYb`BYi UbZUb[ `ni`k U[ Yb`" ð`fY`?c`Y[ ]b`\UhY`VY]a  
5i Zf`Ai a Yb`XYg`G`WXYfVYba YfYfg`Y]bY`dfU[ a Uh]gWXY`@Ögi b[  
[ YZi bXYb.`B`UW`gc`j ]Y`Yb`ð\`fYb`YbX`]W`bYi Y`K`UggYf[ `ÄgYf`ni  
VYgcf[ Yb`"8Ua ]h`hi`h`a Ub`b]W`h`bi f`g]W`gY`Vgh`Y]bYb; YZU`Ybž  
gcbXYfb`Vf]b[ h`Ui W`Zf]gWXYb`K ]bX`]b`X]Y`?ØWXYžZYfbUV`j cb`XYb  
U`hYb`A ]gg[ YgW`]W`Yb"

CV`XUg`bYi Y; YgW`]ff`bi b`a Y`f; `ØW`Vf]b[ h`cXYf`b]W`hž`V`Y]Vh  
ZfU[ `]W`"8cW`Y]bg`ghY`h`ZYgh`9]b`k Yb][ `C`dh]a ]ga i`g`\_Ubb`XYf  
GYY`Y`b]W`h`gW`UXYb` [ Ub`n`Y[ U`ž`cV`X]Y`G`WXYfVYb`XYg`U`hYb

; `UgYg'i bg'hUhgÅW`jW`X]Y'7\UbW`V]YhYbž'Y]bYa `gW`ÖbYb  
BYi UbZUb[ `Ybh[ Y[ Ybni gY\Yb"

8YhU]`g

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