

J YfghUddYb`ghUfhYh'ghUf\_.'GWX bY`ghY  
F i bXYž'UVYf'a ]h'5i ZghY`i b[ gghfUZY

: cfa Y`!%K Y`ha Y]ghYf'A UI `J YfghUddYb`gYhnh'a ]h'%. (' ž +&  
A ]bi hYb`X]Y`HfU]b]b[ gVYghnY]h]b`GdU`i bX`Yf\`Ä`h`Y]bY  
GhUfhd`UhngfhUZY"

≠`XYf`K Y`h`XYg`A chc fgd c fhg`[ UV`Yg`Øb[ gh`Ui ZFY[ YbXY  
9bhk ]W`i b[ Ybž`X]Y`gck c\`GdUbbi b[ `U`g`Ui WX  
<YfUi gZcfXYfi b[ Yb`a ]h]g]WX`Vf]b[ Yb" `≠gVYgcbXYfY`X]Y`YfghY  
HfU]b]b[ ggYgg]cb`ni a `; fc»Yb`DfY]g`j cb`6Y`[ ]Yb`Ua ``Y[ YbXÄfYb  
7]fW ]h`XY`GdU! : fUbWcfWXUa dg`\Uh`[ YnY][ hž`k ]Y`]bhYbg]j `XYf  
K YhhVYk YfV`]b`XYf` : cfa Y`%]gh`i bX`k Y`WX`Y`ghfUHy [ ]gWX`Yb  
9bhgWX`Y]Xi b[ Yb`HYUa `g`hfYZZYb`a ØggYb"

J YfghUddYbg`GhfUhY[ ]Y`i bX`X]Y`HYWX b]\_  
\ ]bhYf`XYa `9fZc`[

8Yf`a ca YbhUbY` : cfa Y`!%K Y`ha Y]ghYf'A UI `J YfghUddYb`j cb`FYX  
6i ``F UW]b[ `ghY`h`Y`Y]bY`6YghnY]hj cb`%. (' ž +&`A ]bi hYb`Ui Z`8]YgY  
gWX bY`Y`F i bXY`nY][ h`b]WX`h`bi f`J YfghUddYbg`ZU`fYf]gWX`Yg  
? ÖbbYbž`gcbXYfb`Ui WX`X]Y`6YXYi hi b[ `hYWX`b]gWX`Yf`≠bcj Uh]cbYb  
]a `A chc fgd c fh"l a `Ui ZXYf`Ubgd fi WX`gj c``Yb`5fXYbbYb!GhfYW`Yž  
X]Y`ZÖf`\`fY`nU`\`fY]WX`Yb` , VYf\`c`a Ö[ `]WX`\_Y]hYb`VY`\_Ubbh`]ghž  
cdh]a U`UVni gWX`bY]XYbž`\Uh`XUg`HYUa `YbhgWX`YXYbž`Y]bYb`bYi Yb  
A chc f`]b`gY]b`FYbbUi hc`Y]bni VUi Yb"

9]bY`[ Yk U[ hY`9bhgWX`Y]Xi b[ `a ]h` : c`[ Yb

5``YfX]b[ g`k i fXY`Xi fWX`XYb`5i ghUi gWX`XYg`A chc fg`XUg`ni `Ägg][ Y  
@]a ]h`ØVYfgWX`f]hYbž`k Ug`J YfghUddYb`Y]bY`GhfUZY`j cb`nY`\b  
GhUfhd`ÄhnYb`ZÖf`XYb`VYj c fghY`YbXYb` ; fUbX`Df]l `Y]bVfUWX`hY"

8]YgY'9bhgWXY]Xi b[ 'i bhYfghfY]W h'X]Y'?ca d`YI ]hAh'XYf`GhfUHY [ ]Y  
]a `FYbbgdcfhž'k c`cZh'nk ]gWXYb`@Y]ghi b[ 'i bX`FY[ Y`\_cbZcfa ]hAh  
UV[ Yk c[ Yb`k YfXYb`a i gg"

## ?cb\_i ffYbn'i bhYf`8fi W\_

⇒a `YfghYb': fY]Yb`HfU]b]b[ `k Uf`X]Y'?cb\_i ffYbn`YVYbZU`g`ghUf\_"  
A W@UfYbg`C gWUf`D]Ughf]ž`XYf`j cf`\_i fnYa `gY]bYb`YfghYb  
: cfa Y`!%G]Y[ `]b`i b[ Ufb`ZY]YfhYž`UbXYhY`a ]h`Y]bYa `F ØW\_ghUbX  
j cb`\$ž)` %GY\_i bXYb`Ui ZD`Uhn`nk Y]"`6YgcbXYfg`VYa Yf\_Ybgk Yfh  
k Uf`X]Y`D`Uhn]Yfi b[ `XYg`K ]`]Ua g! : U`fYfg`5`YI `5`Vcbž`XYf`a ]h`bi f  
\$ž+&+`GY\_i bXYb`F ØW\_ghUbX`XYb`Xf]hYb`F Ub[ `VY`Y[ hY]"`5i Z`XYf  
UbXYfYb`GY]hY`gU`g]W`XYf`XYi hgWXY : U`fYf`B]Wc`<Ø`YbVYf[ `]a  
<UUg`a ]h`Y]bYf`Y`Yf`Yb`h`Åi gWXYbXYb`DYfZcfa UbW`\_cbZfcbh]Yfh  
i bX`a i gghY`g]W`a ]h`XYa `%+"`D`Uhn`VY[ bØ[ Yb"

## 6YXYi hi b[ `ZØf`X]Y`VYj c fghY`YbXYb`FYbbYb

8]YgYg`FYbbYb`]gh`b]W h`bi f`Y]b`gdcfh]W XYg`9fY][ b]gž`gcbXYfb  
Ui W`Y]b`k ]W h[ ]Yg`? Ud]hY`ZØf`X]Y : U`fYf`i bX`HYUa gž  
]bgVYgcbXYfY`U`g`Y`hnhY`A Ò[ `]W`\_Y]hž`j cf`XYf`Gca a YfdUi gY  
Di b\_hY`ni `gUa a Y`b`i bX`g]W`Ui Z`X]Y`nk Y]hY`GU]gcb`Å`ZhY  
j cfni VYfY]hYb`"8]Y`8mbUa ]\_`XYf`FYbbZU`fYf`gck ]Y`]\fYf`HYUa g  
\_Ubb`gW`bY`k YW`gY`hž`i bX`X]Y`9bhgWXY]Xi b[ Ybž`X]Y`]b`XYb  
\_ca a YbXYb`HU[ Yb`[ YhfcZZYb`k YfXYbž`k YfXYb`ZØf`X]Y  
A Y]ghYfgW`UZh`YbhgWXY]XYbX`gY]b"

⇒X]YgYa `Ni gUa a Yb`Ub[ `]gh`X]Y`F c`Y`XYf`Ni gW`Ui Yf`i bX` : Ub g  
b]W h`ni `i bhYfgW`ÅhnYb`"⇒fY`i bhYfghØhni b[ `i bX`6Y[ ]Y]ghYfi b[  
hfU[ Yb`XUni `VY]ž`Y]bY`VYY]bXfi W\_YbXY`5ha cgd`ÅfY`ni `gW`UZZYbž  
X]Y`XYb`Gdcfh`a ]h`@VYb`YfZØ`h`Ni XYa `j YfXYi h]W h`X]YgYf` : fUbX  
Df]i `X]Y`FY`Yj Ubn`hYW`b]gW`Yf`9bhk ]W`\_i b[ Ybž`X]Y`XYb`FYbbgdcfh  
k Y]hYf`UbhfY]VYb`i bX`gh`ÅbX][ `]bYi Y`5i ZfY[ i b[ `]bg`Gd]Y`Vf]b[ Yb"

6Ygi W\Yb`G]Y`i bg`Ui Z.`X]Y!bUW\ f]W\ hYb"bYh