

# 9]b ` \ ]ghc f]gW\ Yf`5i gZi [ . ? ]fW\ YbW\ cf`Gh" A ]W\ UY` `Yb hXYW\_h: f]YXf]W\ g\ UZYb °

8Yf`?]fW\ YbW\ cf`Gh" A ]W\ UY` `@]dh]b[ Yb`i bhYfbU\ a `Y]bYb  
5i gZi [ `Ub`XYb`6cXYbgYYž[ Ybcgg`Y]b: fØ\ghØW`VY]`K YVYf  
i bX`Y]bY`Nk ]YVY`\_i W\Ybfi bXZU\fh"

: f]YXf]W\ g\ UZYbž`8Yi hgW\ `UbX`!`8Yf`?]fW\ YbW\ cf`Gh" A ]W\ UY`  
@]dh]b[ Yb` \Uh`\_Øfn`]W\ `Y]bYb`i bj Yf[ Ygg`]W\ Yb`5i gZi [ `bUW\  
: f]YXf]W\ g\ UZYb`i bhYfbca a Yb`! a `; "\$\$! \f`Z]Y`XYf`GhUfhgW\i gg  
Ub`XYf`6i g\U`hYghY`Y`Ua `F Uh\Ui gž`i bX`bUW\`Y]bYa ` \Yfn\UZhYb  
: fØ\ghØW`\_]b`K YVYfg`6UW`ghi VYž`k c`X]Y`HY]`bY\ a Yf`j cb`<UbbYg  
K YVYf`]b`X]Y`; YgW\ ]W\ hY`XYf`hfUX]h]cbgfY]W\ Yb`6ÅW`YfY]  
Y]b[ YZØ\fh`k i fXYbž`VY[ Ubb`XUg`5VYbhYi Yf" `8]Y`HY]`bY\ a Yf  
YfZ\`fYb`gdUbbYbXY`8YhU]`g`ØVYf`X]Y`<YfUi gZcfXYfi b[ Yb`]b`XYf  
A ]hUfVY]hYf[ Yk ]bbi b[ `i bX`gW\Ui hYb`\]bhYf`X]Y`?i `]ggYb`XYf  
6UW`k UfYbdfcXi \_]cb"

⇒ a `5bgW\`i gg`[ ]b[ `Yg`bUW\`A YfYfgVi f[ ž`k c`X]Y`7\`cfa ]h[ `]YXYf  
XUg`\]ghc f]gW\ Y`GhUXhZYgh`VYgi W\hYbž`i a [ YVYb`j cb  
a ]hY`U`hYf`]W\ `j Yf`\_Y]XYhYb: YghY`hVYgi W\Yfb" < Ø\Ydi b`\_h`XYg  
HU[ Yg`k Uf`X]Y`[ Ya Øh`]W\ Y`Nk ]YVY`\_i W\Ybfi bXZU\fh`Ui Z`XYa  
K UggYfž`VY]`XYf`X]Y`HY]`bY\ a Yf`BYi Yb`K Y]b`i bX`Nk ]YVY`\_i W\Yb  
]b`j c`Yb`NØ[ Yb`[ YbcggYbž`k Å\`fYbX`g]Y`Ub`a U`Yf]gW\ Yb  
GY\`Ybgk ØfX][ \_Y]hYb`k ]Y`XYb`DZU\`VUi hYb`i bX`XYf`\_bgY`A U]bUi  
j cfVY][ `]hYb" Hfc`m`XYg`Y]bgYmYbXYb`FY[ Ybg`Ui Z`XYf`<Y]a fY]gY  
\_cbbhY`X]Y`Gh]a a i b[ `b]W\ h[ YhfØVh`k YfXYbž`i bX`U`Y`k UfYb`g]W\  
Y]b][ . `8]Y`Cf[ Ub]gUhc fYb`A cb]\_U`i bX`; ØbhYf`<Y]a ` \UhYb`k ]YXYf  
Y]ba U`Y]bYb`ZUbhUgh]gW\ Yb`HU[ `[ YgW\ UZYb`°`K Y]hYfY`8YhU]`g`ni  
X]YgYa `5i gZi [ `Z]bXYb`g]W\ `VY]`k k k "gW\ k UYV]gW\ Y`XY"

8YhU]`g

Cfh

: f]YXf]W\g\UZYbž`8Yi hgW\`UbX

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