

6c`Yfk U[ Yb!8]YVghU\``]a : fY]nY]hdUf\_.  
9\YdUUf`ghY``h'g]W\`XYf`Dc`]nY]°

⇒ a : fY]nY]hdUf\_`Fi gh`Ybhk YbXYhY`Y]b`9\YdUUf`Ua  
GcbbhU[ bUW\ a ]hhU[ `Y]bYb`6c`Yfk U[ YbžXYf`gdÅhYf`j cb`XYf  
Dc`]nY]`g]W\Yf[ YghY``h'k i fXY"



F i ghž`8 Yi hgW\`UbX`!`b`Y]bYa : fY]nY]hdUf\_`Ua `Yg`Ua  
GcbbhU[ bUW\ a ]hhU[ `ni `Y]bYa `g\_UbXU`ÒgYb`8]YVghU\`. `9]b  
9\YdUUf`ghU\`Y]bYb`6c`Yfk U[ Yb`]a `K Yfh`j cb`Yhk U`(\$\$`9i`fc`  
8Yf`J`cfZU``YfY][ bYhY`g]W\`[ Y[ Yb`%+`l` \fž`XcW\`X]Y`Dc`]nY]`]Y»  
b]W\h`Ub[ Y`Ui`Z`g]W\`k`UfhYb``: Ugh`]a` < UbXi`a`XfY\Yb`\_cbbhYb`X]Y  
6YUa`hYb`XYg`Dc`]nY]dcghYbg`F i gh`X]Y`VY]XYb`HÅhYf`]XYbh]Z]n]YfYb  
i`bX`Z`Y`ghgYhnYb"

8]Y`VY]XYb`8]YVY`nY][ hYb`F`Yi`Y`i`bX`VfUW\hYb`XYb`[ Yghc`\`YbYb  
K`U[ Yb`i`bj`YfnØ[ `]W\`ni`fØW`\_ni`a`Dc`]nY]dcghYb``9]b`6`]W`\_Ui`Z  
X]YgYb`XfY]ghYb`J`cfZU```ghUhh`GdU»`i`bX`Gd]Y`ž`Y]b`gW\`c`W\_]YfYbXYf  
8]YVghU\`°

8YhU]`g	
J c fZU``	8]YVghU\`
C fh	F i ghž'8Yi hgW\`UbX
: YghbU\ a Yb	&
GW XUYb`]b`	( \$\$

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