

8 fYgXYb`ghUfhYh`k Y [k Y]gYbXYg
: cfgWxi b [gnYbhfi a `ZØf`7\]dg`XYf
Ni _i bZh

8 fYgXYb`Ybhk]W_Y`h]bbcj Uh]j Y`7\]dg`ZØf`5i hcg`XYf`Ni _i bZh
ZYI]V`Yž`_cghYbYZZ]n]YbhY`A]_fcY`Y_hfcb]_`]b`bYi Ya
: cfgWxi b [gnYbhfi a "

8 Ug`7\]d`Yh`7YbhYf`cZ`9I W`YbW`]b`GUW`gYb`gYhnh`bYi Y
GhUbXUfXg`]b`XYf`A]_fcY`Y_hfcb]_`i bX`V]YhYh`XYf
5i hca cV`]bXi ghf]Y`]bbcj Uh]j Y`@Øgi b [Yb"

8]Y`6YXYi hi b [`XYf`A]_fcY`Y_hfcb]_`ZØf`X]Y
Ni _i bZh

8]Y`A]_fcY`Y_hfcb]_`Ybhk]W_Y`h]g]W`fUgUbhi bX`gd]Y`h`Y]bY
YbhgW]XYbXY`F c`Y`ZØf`X]Y`Ui hca cV]Y`HYW]b]_`j cb`a cf [Yb`" `b
GUW`gYbž`]bgVYgcbXYfY`]b`8 fYgXYb`i bX`7\Ya b]hnž`k]fX`Y]b
Y]bn][Ufh][Yg: cfgWxi b [g!7YbhYf`ZØf`A]_fcY`Y_hfcb]_`Ui Z [YVUi h`
<]Yf`Ybhk]W_Y`b`K]ggYbgW]UZh`Yf`gc [YbUbbhY`7\]d`Yhgž`X]Y`Y]bY
ZYI]V`Y`i bX`_cghYb [Øbgh][Y`5`hYfbUh]j Y`ni `Yf`_Øa a`]W]Yb
A]_fcdfcnYggcfYb`XUfghY`Yb"

8 Ug`7\]d`Yh`7YbhYf`cZ`9I W`YbW`

8 Ug`7\]d`Yh`7YbhYf`cZ`9I W`YbW`f7`7C`9k`k]fX`Ui`g`Y]bYf
?ccdYfUh]cb`j cb`XfY]: fUi b`cZYf]`bgh]hi hYb`]b`8 fYgXYb`i bX
7\Ya b]hn`YbhghY`Yb`"N]Y`X]YgYf`b]h]Uh]j Y`]gh`Ygž`bYi Y`@Øgi b [Yb
ni`Ybhk]W_Y`bž`X]Y`gdYn]Y`Ui ZX]Y`6YXØfZb]ggY`XYf
5i hca cV`]bXi ghf]Y`ni [YgW]b]hYb`g]bX`"8]Y`7\]d`Yhg`_ØbbYb`Ui`g
j YfgW]YXYbYb`_`Y]bYfYb`DfcnYggcfYb`VYghY`Ybž`X]Y`ZYI]VY`

_ca V]b]Yfh'k YfXYbž'k Ug'j Yf[`Y]WVUF']gh'a]h'Y]bYa `6Ui _UghYb!
cXYf'Di nn`Y!GmghYa "

K]fhgW UZh`]W X Y `5i gk]f_i b [Yb `i b X
⇒ b c j Uh]c b Y b

8]Y`<YfghY``i b[`X]YgYf`]bbcj Uh]j Yb`7\]dg'k]fX`b]W h'bi f
_cghYb [Øbgh][Yf'gY]bž'gcbXYfb`Ui W `YbYf[]YYZZ]n]YbhYf`UfVY]hYb"
8 Ug']gh`VYgcbXYfg'k]W h][`Ub [Yg]W hg`XYf'ghY][YbXYb`BUW ZFU [Y
bUW`<cW`Y]ghi b[gVUi hY]`Yb`]b`XYf`5i hca cV]`VfUbW Yž'k c`bYi Y
5bk YbXi b [Yb`_cbh]bi]Yf`]W `Ybhk]W_Y`h'k YfXYb`a ØggYb"@Ui h
: fUi b\cZf`VYXYi hYh`X]Yg`Y]bY`9f\Ø`i b [`XYf`Ni j Yf`Àgg][_Y]h'i bX
Y]bY`FYXi n]Yfi b [`XYg`9bYf[]Yj YfVfUi W g` `YbhgW Y]XYbXY
JcfhY]`Y]b`XYf`a cXYfbYb` : U\fnYi [hYW b]_"

: cfgW i b [`i b X `? ccdYfUh]c b Y b `a]h`XYf
⇒ b Xi ghf]Y

8 Ug`77C 9`k]fX`Ui W `Y]b`k]W h][Yf`DUfhbYf`ZØf`l bhYfbY`a Yb`Ui g
[Ubn`9i fcdU`gY]bž'X]Y`]b`XYf`A]_fcY`Y_hfc b]_`h`h][`g]bX`"6]g`9bXY
XYg`J\`fYg`\UVYb` :]fa Yb`X]Y`A Ø [`]W _Y]hž'g]W `X]YgYa `bYi Yb
: cfgW i b [gnYbhi a `Ubni gW`]Y» Yb`i bX` [Ya Y]bgUa `Ub`XYf
Ni _i bZh`XYf`HYW bc`c []Y`ni `UfVY]hYb`"8 Ug`9b [U [Ya Ybh`ZØf
: cfgW i b [`]b`XYf`A]_fcY`Y_hfc b]_`_ØbbhY`GUW gYb`i bX`7\Ya b]hn
U`g`<Ui dhU`_hYi fY`]b`XYf`Yi fcd`À]gW Yb`DfcXi _h]cbg`UbXgW UZh
YhUV`]YfYb"

Ni g`Àhn`]W X Y `Dfc `Y`_hY`ni f`X][]hU`Yb
HfUb gZcfa Uh]c b

9f[`ÀbnYbX`ni a `77C 9`k]fX`XUg`Dfc`Y`_h` ; U]bž'XUg`Y]bY`bYi Y
?Øbgh]W X Y`⇒hY``[Ybn!⇒ZfUghfi _hi f`]b`XYb`6YfY]W Yb`F cVch]_ž
A YX]n]b`i bX`?ca a i b]_Uh]cb`Ybhk]W_Y`b`gc``ž [YZØfXYfh`"GUW gYb
i bX`6UmYfb`]bj Ygh]YfYb`gYW g`A]``cbYb`9i fc`]b`X]YgYa
Dfc [fUa a žXUg`X]Y`Ni gUa a YbUfVY]h'ink]gW Yb`XYb`9i nY``Ybn!
l b]j Yfgh]h`hYb`]b`8fYgXYb`i bX`A ØbW Yb`j c fUbhfY]Vh`"8]YgY

≠b]h]Uh]j Yb`i bhYfghfY]WXYb`X]Y`6YXYi hi b[`j cb` : cfgWxi b[`i bX
9bhk]W_`i b[`]a `F U\ a Yb`XYf`X][]hU`Yb`HfUbgZcfa Uh]cb"

: Un]h

8]Y`ZcfhgWxf]hh`]WXYb`9bhk]W_`i b[Yb`]b`XYf`A]_fcY`Y_hfcb]_ž`k]Y
g]Y`]a `bYi Yb`7\]d`Yh`7YbhYf`]b`GUW`gYb`j cfUb[Yhf]YVYb`k YfXYbž
ghY``Yb`b]W`h`bi f`Y]bYb`[fi bX`Y[YbXYb`≠bcj Uh]cbggWxf]hh`XUfž
gcbXYfb`V]YhYb`Ui W`VYXYi hYbXY`k]fhgW`UZh]WXY`7\UbW`b": Øf
X]Y`5i hca`cV]`]bXi ghf]Y`_ØbbhY`X]Yg`XYf`GW`ØggY``ni `Y]bYf
bUW`U`h][YfYb`i bX`YZZ]n]YbhYb`Ni _i bZh`gY]bžk Å`fYbX`X]Y`FY[]cb
U`g`NYbhfi a`ZØf`hYW`bc`c[]gWXY`9l nY``Ybn`Yfj cf[Y`cVYb`k]fX"

8YhU]`g

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