

9fbYi h'YfgW\ cggYbYf'6]VYf']b' ? ØbnY`gUi .  
Dc`nY]'gi W\h'NYi [ Yb`

⇒ a`<c\Yb`c\Y\_fY]g'k i fXY`Y]b`k Y]hYfYf`Yfa c fXYhYf'6]VYf  
[ YZ] bXYb"8]Y'Dc`nY]'<Y]'Vfcb`gi W\h'NYi [ Yb`XYf`HUhYb"



6cXYb\ ÒZYf`GhfU» Yž'+( \*) ' ? ØbnY`gUi ž`8Yi hgW\`UbX`!`b  
? ØbnY`gUi !6YfbXg\Ui gYb`k i fXY`YfbYi h'Y]b`hc'hYf'6]VYf`Yb'hXYW`hž  
k Ug`Ui ZY]bYb`k Y]hYfYb`Vfi hU`Yb` : U``j cb`H]Yfei Ä`YfY]`\]bk Y]gh"  
8Yf`[ fUi gUa Y` : i bX`[ YgW\U\`Ua`l ZYffUbX`Y]bYg`GYg`]b`XYf  
6cXYb\ ÒZYf`GhfU» Y"Bi f`k Yb][ Y`A cbUhY`bUW\`Y]bYa`Ä`b`]W\Yb  
JcfZU`ž`VY]`XYa`Y]b`6]VYf`a i ha U»`]W\`a ]h`Y]bYf`5fa Vfi gh  
[ Yh`hY`h`k i fXYž`Yb'hXYW`h`Y]bY`GdUn]Yf[ Äb[ Yf]b`bi b`Y]b`k Y]hYfYg  
H]Yfž`XUg`YVYbZU`g`a ]h`nk Y]`gW\k Ufn#[ c`XYbYb`5fa Vfi ghVc`nYb  
]a` ? ÒfdYf`XUg`C dZYf`[ fUi gUa Yf` ; Yk U`h`k i fXY"

8]Y'Dc`nY]'XYg`DfÄg]X]i a`g`<Y]'Vfcb`b`\Uh`X]Y`9fa ]h`i b[ Yb  
ØVYfbca`a`Yb`i bX`gi W\h`Xf]b[ YbX`NYi [ Ybž`X]Y`<]bk Y]gY`ni  
X]YgYb`UVgW\Yi`]W\Yb`HUhYb`[ YVYb`\_ÖbbYb"X`XYfž`XYf

ðZcfa Uh]cbYb` \Uhž'k ]fX` [ YVYhYbž'g]W\`VY]a` `Dc` ]nY]fYj ]Yf  
 ?ØbnY`gUi` i bhYf`XYf`HY`YZcbbi a a Yf`\$+- ( \$`- ( \$\$`ni` `a Y`XYb`"8]Y  
 6fi hU`]h`h`X]YgYf`J cfZ`Ä`Y`k ]fZi: fU[ Yb`Ui Zi bX`YfZcfXYfh`Xf]b[ YbX  
 Y]bY`ØW\_Yb`cgY`5i Z\_`Äfi b[ "

8YhU]`g	
J cfZU``	J UbXU`]ga i g
C fh	6cXYb\ÖZYf`GhfU» Yž'+( *) ' `?ØbnY`gUi ž 8Yi hgW\`UbX

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