

# 78 I !Dc`]h]\_Yf]b '7cbbYa Ubb'\_ØbX][h GcZcfhdfc[fUa a 'ZØf'X]Y'K ]fhgW\UZh'Ub'

781!Dc`]h]\_Yf]b; ]hhU`7cbbYa Ubb`\_ØbX][h'Y]b GcZcfhdfc[fUa a 'ni f'k]fhgWkUZh`]WkYb'9f\c`i b[']b 8Yi hgWk`UbX`Ub": c\_i g'Ui Z'9bYf[]Y\_cghYb'i bX =bj Ygh]h]cbYb"



8 Yi hgWX`UbX`!`78 I !Dc`]h]\_Yf]b; ]hhU`7cbbYa Ubb`\Uh`Y]b
i a ZUggYbXYg`k ]fhgWXUZh`]WXYg`GcZcfhdfc[fUa a `Ub[Y\_ØbX][hž`XUg
X]Y`gWXk Yf`Ub[YgWX`U[YbY`XYi hgWXY`K]fhgWXUZh`i bhYfghØhnYb
gc``"`@Ui h`H!Cb`]bY`k]fX`XUg`Dfc[fUa a `V]g`ni a `%%"`\$\`]`&\$&)
j cf[Y`Y[h`i bX`\_cbnYbhf]Yfh`g]WX`Ui Z`nk Y]`nYbhfU`Y`H\Ya Yb.`X]Y
GYb\_i b[`XYf`9bYf[]Y\_cghYb`i bX`X]Y`: ÒfXYfi b[`j cb`\bj Ygh]h]cbYb
Xi fWX`Y]bYb`\bj Ygh]h]cbgVccghYfž`XYf`j YfghÀf\_hY`5VgWXfY]Vi b[Yb
Yfa Ò[`]WXYb`qc``"

=a 'FU\a Yb'XYg'bYi Yb'?cU`]h]cbgj YfhfU[g'nk]gW\Yb'781 ž'7GI i bX'GD8 'k]fX'ZYgh[Y`Y[hž'XUgg'I bhYfbY\a Yb'UV'&\$&) 'ØVYf'Y]bYb NY]hfUi a 'j cb'XfY]'\\J\fYb'' \\$'DfcnYbh']\fYf

5 i gfØghi b[g]bj Ygh]h]cbYb 'ghYi Yf`]WX '[Y`hYbX 'a UWXYb '\_ÒbbYb" 8]Yg'\_ÒbbhY 'YbhgWXY]XYbX 'gY]bž'i a 'X]Y '♣j Ygh]h]cbgVYfY]hgWX UZh XYf'I bhYfbY\a Yb'ni 'Yf\Ò\Yb'i bX'g]Y'VY]'XYf'6Yk À`h][i b['XYf U\_hi Y``Yb'k]fhgWX UZh`]WXYb'< YfUi gZcfXYfi b[Yb'ni 'i bhYfghØhnYb"

#### ; YgUa hk ]fhgW\UZh`]W\Y'G]hi Uh]cb

8]Y XYi hgWXY K ]fhgWX UZh ghY\h'j cf Yf\YV`]WXYb 
<YfUi gZcfXYfi b[Yb"@Ui h'Y]bYf 5bU`mgY'j cb GØXXYi hgWXYf
NY]hi b['[]Vh'Yg'VYfY]hg'GhY``YbUVVUi 'VY]'[fc»Yb'?cbnYfbYbž'i bX
XYf 8 Ul 'nY][h'ghUf\_Y'GWX k Ub\_i b[Yb"'Ni XYa '\UVYb'ZØ\fYbXY
K ]fhgWX UZhgZcfgWXi b[g]bgh]hi hY']\fY'K UWXghi a gdfc[bcgYb'ZØf
&\$&' 'XfUgh]gWX'j cb'\$ž, 'DfcnYbh'Ui Z'bi f'\$ž%'DfcnYbh'[YgYb\_hž'k Ug
X]Y'8 f]b[`]WX\_Y]h'j cb'A U» bU\a Yb'ni f'k ]fhgWX UZh`]WXYb'9f\c`i b[
j YfXYi h`]WX h"

Ni 'XYb'? Yfbdi b\_hYb'XYg'A U» bU\a YbdU\_Yhg'[Y\OfYb'Ui W\'X]Y FYZcfa 'XYf'I bhYfbY\a YbgVYghYi Yfi b['gck]Y'ghYi Yf`]W\Y 9bh`Ughi b[Yb'ZØf'I bhYfbY\a Yb"' \deltagVYgcbXYfY']gh'Y]bY'GYb\_i b[XYg'? OfdYfgW\UZhghYi YfgUhnYg'j cb'%) 'DfcnYbh'Ui Z'%\$'DfcnYbh [Yd`Ubhž'X]Y'UV'&\$&, 'ØVYf'ZØbZ'\J\fY'\]bk Y['YfZc`[Yb'gc``"'Hfchn U``Yf'6Ya Ø\i b[Yb'k]fX'YXcW\'XUfUi Z'\]b[Yk]YgYbž'XUgg ghYi Yf`]W\Y'9bh`Ughi b[Yb'ZØf'k c\`\UVYbXY'6Øf[Yf'b]W\h']b 5i gg]W\h'ghY\Yb"

#### GYb\_Yb XYf 9bYf[]Y\_cghYb

9]b 'nYbhfu`Yg '5b`]Y[Yb 'j cb '7cbbYa Ubb ']gh'X]Y 'GYb\_i b[ 'XYf 9bYf[]Y\_cghYb" '8 UVY] 'gc```X]Y 'Ghfca ghYi Yf'Ui Z'XYb 'Yi fcdÀ]gWXYb A ]bXYghVYhfU[ 'j cb '\$ž\$) '7Ybh'dfc'?]`ck Uhhghi bXY '[ YgYb\_h k YfXYbž'k À\fYbX'[ `Y]WXnY]h][ 'X]Y 'BYhnYbh[ Y`hY '[ YXYW\_Y`h'k YfXYb gc``Ybž'i a 'X]Y '9bYf[]Yk YbXY 'Z]bUbn]YfVUf'ni 'a UWXYb" '8]YgY A U» bU\a Yb'\_ObbhYb'[fc» Y'5i gk]f\_i b[Yb'Ui Z'X]Y K YhhVYk YfVgZÀ\][ \_Y]h'XYf'XYi hgWXYb'K ]fhgWXUZh\UVYb'i bX [ `Y]WXnY]h][ 'X]Y '9bYf[]YdfY]gY'ZØf'JYfVfUi WXYf'gYb\_Yb"

 $8 \ Yf'6i \ b \ X \ Ygj \ YfV \ Ub \ X' \ X \ Yf'9b \ Yf[\ ]Y!'i \ b \ X' \ Ugg \ Yfk \ ]fhg \ W \ UZh'fb \ 8 \ 9 K \ E$   $j \ Yfhf]hh' \ A \ b \ ]W \ Y'5bg] W \ h \ Yb'i \ b \ X' \ Uh']b' \ Y]b \ Ya \ 'Dcg]h]cbgd \ Ud] \ Yf$ 

Ui W. 'VYhcbhž'k ]Y'k ]W.h][ 'bUW.\U'h][ Y'+bj Ygh]h]cbYb'ni f
9ffY]W.i b[ 'XYf'?']a U!'i bX'9bYf[ ]Yn]Y'Y'g]bX"'@Ui h'XYa '689K
YfZcfXYfh'XYf'I a VUi 'XYf'Ghfca YfnYi [i b[ '+bj Ygh]h]cbYb'j cb
]bg[ YgUa h'' &\$'A ]``]UfXYb'9i fcž'k Ug'ni gÀhn`]W. '&+\$"\$\$\$
5fVY]hgd`ÀhnY'g]W.Yfb'i bX'gW.UZZYb'k ØfXY"'8]YgY'+bj Ygh]h]cbYb
g]bX'Ui W. 'ZØf'XYb'6Ui!'i bX'A UgW.]bYbVUi 'j cb'[ fc» Yf
6YXYi hi b[ ž'k Ug'X]Y'J YfZYW.hi b[ 'XYf'GY\_hcfYb'XYi h`]W.'a UW.h
fb89K Ł"

### Ni \_i b ZhgUi gg]WX hY b

7cbbYa Ubbg'A U» bU\a Yb'gc``Yb'b]W\h'bi f'\_i fnZf]gh][ 'k ]f\_Ybž gcbXYfb'Ui W\'`Ub[ Zf]gh][ 'dcg]h]j Y'=a di `gY'gYhnYb"'8]Y K ]fhgW\UZhgk Y]gYb'k YfXYb']b'bU\Yf'Ni \_i bZh'Y]bY'U\_hi U`]g]YfhY?cb'\f\b\_hi fdfc[ bcgY'ZØf'\&\\$\&\) 'i bX'\&\\$\&\*'j cf`Y[ Yb"'9fk UfhYh'k ]fXž XUgg'X]Y'XYi hgW\Y'K ]fhgW\UZh'g]W\'b]W\h'gcZcfh'Yf\c`Yb'k ]fXž YXcW\'Y]bY'`Y]W\hY'J YfVYggYfi b[ 'XYf'Gh]a a i b[ 'ZYgh[ YghY``h k YfXYb'\_Ubb"

±0.5 b V Y h f U W \ h' X Y f' U b [ Y\_Øb X][ h Y b' F Y Z c fa Y b' i b X' ± j Y g h]h]c b Y b V Y g h Y \ h' X]Y' < c Z Z b i b [ ž' X U g g' X]Y' k ] f h g W U Z h`] W Y' 9 f \ c` i b [ '] b 8 Y i h g W \ `U b X' Y b X' ] W \ `U b' : U \ f h' [ Y k ] b b Y b' k ] f X ž' U i W \ 'k Y b b' X]Y D f c [ b c g Y b' Z Ø f' & \$ & ) 'Y ] b' g W \ k U W Y g' K U W g h i a 'j c b' b i f' \$ ž ( D f c n Y b h' j c f g Y \ Y b'' 8 Y f' d c` ] h] g W Y' K ]` Y' n i f' 6 Y\_À a d Z i b [ 'X Y f ? f] g Y b' g W Y] b h' Y X c W 'j c f \ U b X Y b' n i 'g Y] b ž' k U g' Z Ø f' X]Y I b h Y f b Y \ a Y b' i b X' 5 f V Y] h b Y \ a Y f' ] b' 8 Y i h g W \ `U b X' Y] b Y b h g W Y] X Y b X Y g' G] [ b U` '] g h''

8 YhU]`g	
JcfZU``	GhY``YbUVVUi
Cfh	8 Yi hgWX`UbX
EiY``Yb	<ul><li>k k k "h!cb`]bY"XY</li></ul>
	• kkk"giYXXYihgWXY"XY
	• k k k "VXYk "XY

## 6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U[ "XY