

# D`Y]hY`]b`K ]Yb. `6i f[ f]b[ `%'V`Y]Vh`ZØf ]a a Yf`[ YgW\`cggYb`°

8 Ug`VY`]YVhY`K ]YbYf`@c\_U`6i f[ f]b[ `%'gh`bUW\`ϕgc`j YbnYb  
XUi Yf\UZh[ YgW\`cggYb`"8YhU]`g`ni `?cb\_i fgj YfZU\fyb`i bX  
; `Ài V][ YfUba Y`Xi b[ Yb"



6i f[ f]b[ `%'`%\$%\$`K ]Ybž`² ghYffY]W\`!`8 Ug`VY\_UbbhY`K ]YbYf  
@c\_U`6i f[ f]b[ `%'` \Uh`gY]bY`DZcfhYb`XUi Yf\UZh[ YgW\`cggYb`"K ]Y`  
**a Y]bVYn]f`\_`Uh`VYf]W\hYhž`k i fXY`Ua `&\*"'> b]`&\$&)** j ca  
<UbXY`g[ Yf]W\h`K ]Yb`Y]b`?cb\_i fgj YfZU\fyb`ØVYf`XUg`J Yfa Ø[ Yb  
XYf`6i f[ f]b[ `%'`; a V<`YfØZZbYh`"8]YgY`ϕgc`j Ybn`]gh`VYfY]hg`XUg  
nk Y]hY`J YfZU\fybž`k Y`W\Yg`XUg`@c\_U`VYhfYZZb`gc`""6YfY]hg`]a  
GYdhYa VYf`&\$&( `k i fXY`Y]b`GUb]Yfi b[ gj YfZU\fybž`XUg`c`bY  
9][ Ybj Yfk U`hi b[ `Xi fW\ [ YZØ\fh`k i fXYž`Y]b[ Y`Y]hYh"

⇒a `FU`a Yb`X]YgYg`YfghYb`J YfZU\fybg`\UhY`g]W\`XUg`@c\_U`i a  
Y]bY`FYghfi`\_hi f]Yfi b[ `VYa Ø\hž`X]Y`YXcW\`Y`hnhYbX`]W\  
[ YgW\Y]hYfh`]gh`"8Yf`j cf[ YgY\YbY`GUb]Yfi b[ gd`Ubž`XYf`Y]bY  
&\$!dfcnYbh][ Y`E i chY`i bX`X]Y`NU\`i b[ `]b`F UhYb`j cfgU\ž`\_cbbhY

b]W h'YfZ0`h'k YfXYb" '8 Ug\UhhY'ni f': c'[ Yž'XUgg'X]Y  
i fgdf0b[ `]WYb': cfXYfi b[ Yb'XYf'; `Ai V][ Yf'k ]YXYf'Ui ZYVhYb"  
=bg[ YgUa h'\UhhYb'( +; `Ai V][ Yf': cfXYfi b[ Yb']b'<0\Y'j cb'fi bX  
&( ("\$\$\$'9i fc'Ub[ Ya Y'XYh"

## 8]Y'NU\`Yb'XYf' =bgc`j YbnYb

8]Y'G]hi Uh]cb'Z0f'i bhYfbY\ a Yb']b'2 ghYffY]W'gd]hnh'g]W'ni "  
9i dYfhYb'VYf]W'hYb'j cb'Y]bYa 'Yf\YV']WYb'5bgh]Y[ 'XYf  
I bhYfbY\ a Ybg]bgc`j YbnYb" =a 'YfghYb'<U'V'U\ f'&\$&( 'fY[ ]ghf]YfhY  
X]Y'GhUh]gh]\_ '5i ghf]U'VYfY]hg' " &- , ' =bgc`j YbnYbž'k Ug'Y]bYa  
5bgh]Y[ 'j cb'&' DfcnYbh]a 'J Yf[ 'Y]W'ni a 'J cf'U\ f'Ybhgd]W'h"  
Dfc[ bcgYb'XYi hYb'XUfUi Z'\]bž'XUgg'X]Y'NU\`XYf' =bgc`j YbnYb  
&\$&( 'X]Y'A Uf\_Y'j cb'+ "\$\$\$'0VYfgW'fY]hYb'\_0bbhY' 'X]Y'\0W ghY  
NU\`gY]h'XYf': ]bUbn\_f]gY'&\$-\$- "'6YgcbXYfg'VYhfc'ZYb'g]bX'X]Y  
6fUbWYb'<UbXY'ž'6Ui k ]fhgW'UZh'gck ]Y'6Y\YfVYf[ i b[ 'i bX  
; Ughfc'bc a ]Y"'8]YgY'F U\ a YbVYX]b[ i b[ Yb'a UW'hYb'Yg'XYf  
6i f[ f]b[ '%; a V<'gW'k Yfž'\fYf'Z]bUbn]Y`Yb'J YfdZ]W'hi b[ Yb  
bUW'ni \_ca a Ybž'gc'XUgg'X]Y' =bgc`j Ybn'bi b'YbX[ 0'h][ 'Y]b[ YhfYhYb  
]gh"

F YW'hgUb'k U'h; Ycf[ '?U\][ 'k i fXY'U'g' =bgc`j Ybnj Yfk U'hYf'VYghY`h  
i bX'X]Y'; `Ai V][ Yf'k i fXYb'Ui Z[ YZcfXYfhž'\fY': cfXYfi b[ Yb'V]g  
ni a ' '\$"'ž'`]&\$&) '0VYf'7fYX]hfYZcfa 'Ubni a Y'XYb"'Ni XYa ' ]gh'Z0f  
XYb'%' "'5i [ i gh'&\$&) 'Y]bY'6Yf]W'hg! i bX'Df0Zi b[ ghU[ YggU'ni b[  
Ub[ YgYhnhž'X]Y'Y]bY'\_UfY', VYfg]W'h'0VYf'X]Y'k Y]hYfYb'GW'f]hY'ja  
J YfZU\ fYb[ 'YVYb'gc`""

## 9]b'6`]W\_`]b'X]Y'; Ughfc'bc a ]Y

8]Y'G]hi Uh]cb'i a 'X]Y'6i f[ f]b[ '%; a V<'gh\_Y]b'9]bnY'ZU`""9]bY  
J]Y'nU\`Ub'; Ughfc'bc a ]YVYhf]YVYb'g]Y\h'g]W' ]b'XYf'U\_hi Y`Yb  
K ]fhgW'UZh'g'U[ Y'a Ugg]j Yb'<YfUi gZcfXYfi b[ Yb'[ Y[ Yb'0VYf"'5i W  
bUW'XYf'9f0ZZbi b[ 'XYg'GUb]Yfi b[ gj YfZU\ fYbg']a 'GYdhYa VYf  
&\$&( ž'VY]'XYa 'X]Y'6i f[ f]b[ '%bcW'Y]bYb'BYi UbZUb[ 'a ]h'ibYi Ya  
A UbU[ Ya Yb'hi bX'Y]bYa ' : c\_i g'Ui Z'E i U]h'À'h'id`UbhYž'k Uf'XYf  
8fi W\_`]b'XYf'6fUbW'Y'k Y]hYf\]b'\cW"' =bg[ YgUa h'V'Y]Vh  
UVni k UfhYbž'k ]Y'j ]Y'Y'k Y]hYfY'6Yhf]YVY'Ub[ Yg]W'hg'XYf'\_f]h]gW'Yb

@U[ Y`]b`XYf'; Ughfcbca ]Y`Xi fW\`U`hYb`\_ÖbbYb"

C V k c \ ` ` 6 i f [ f ] b [ ` % ` Y ] b ` V Y ` ] Y V h Y f ` H f Y Z Z d i b \_ h ` Z Ö f ` j ] Y ` Y ` K ] Y b Y f ` k U f ž  
V ` Y ] V h ` b i b ` X ] Y ` : f U [ Y ž ` k U g ` \_ Ö b ž h ] [ ` U i g ` X ] Y g Y a ` h f U X ] h ] c b g f Y ] W ` Y b  
@ c \_ U ` k Y f X Y b ` k ] f X " ` : Y g h i g h Y \ h ž ` X U g g ` X ] Y ` X Y f n Y ] h ] [ Y ` l b g ] W ` Y f \ Y ] h ] b  
X Y f ` ; U g h f c b c a ] Y ` j ] Y ` Y ` : f U [ Y b ` U i Z k ] f ž h i b X ` X ] Y ` < c Z Z b i b [ ` U i Z Y ] b Y  
6 Y g g Y f i b [ ` ] b ` G ] W ` h ` V ` Y ] V h "

: Ö f ` k Y ] h Y f Y ` X Y h U ] ` g ] Y f h Y ` ð Z c f a U h ] c b Y b ` \_ Ö b b Y b ` G ] Y ` X ] Y  
6 Y f ] W ` h Y f g h U h i b [ ` U i Z [ U g h f c " b Y k g ` g c k ] Y ` X ] Y ` G h U h ] g h ] \_ Y b ` i b X  
5 b U ` m g Y b ` j c b ` g h U h ] g h ] \_ " U h ` \_ c b g i ` h ] Y f Y b "

|               |  |
|---------------|--|
| 8 Y h U ] ` g |  |
| C f h         | 6 i f [ f ] b [ ` % ` % \$ % \$ ` K ] Y b ž ` 2 g h Y f f Y ] W `  |
| E i Y ` ` Y b | <ul style="list-style-type: none"><li>• k k k " a Y ] b V Y n ] f _ " U h</li><li>• k k k "[ U g h f c " b Y k g</li><li>• k k k " g h U h ] g h ] _ " U h</li></ul> |

6 Y g i W ` Y b ` G ] Y ` i b g ` U i Z ` a Y ] b ! k ] Y b " b Y h