

## ?Y``YfVfUbX']b'K]YgVUXYbYf GYb]cfYbkc\bUb`U[Y.': Yi Yfk Y\f'fYhhYh 6Ykc\bYf

?Y``YfVfUbX']b'K ]YgVUXYb.': Yi Yfk Y\f'fYhhYh'6Yk c\bYf Y]bYf'GYb]cfYbk c\bUb`U[ Y"'GW\bY``Yf'9]bgUhnž'\_Y]bY gWk YfYb'JYf`Yhni b[ Yb"



; fUZ!j cb!; U`Yb!GhfU» Yž'\*) %-+'K ]YgVUXYbž'8Yi hgW\`UbX'!
9]b XfUa Uh]gW\Yf'?Y``YfVfUbX'\]Y`h'Ua '8cbbYfghU[UVYbX'X]Y
9]bgUhn\_fÀZhY']b'K ]YgVUXYb']b'5hYa "'+b'Y]bYf
GYb]cfYbk c\bUb`U[Y']b'XYf'; fUZj cb!; U`Yb!GhfU» Y'VYa Yf\_hYb
X]Y'6Yk c\bYf'[Y[Yb'&&.%) 'I\f'ghUf\_Y'FUi W\Ybhk]W\_`i b['i bX
U`Ufa ]YfhYb'i a [Y\YbX'X]Y': Yi Yfk Y\f"8]YgY'ghY``hY'VY]a
9]bhfYZZYb'Y]bY'YfbghY'@U[Y'ZYgh.'5i g'Y]bYa '@]W\hgW\UW\h
gW\`i [Yb'VYfY]hg': `Ua a Yb'Ya dcfž'i bX'X]Y': `i fY'k UfYb'ghUf\_
j YffUi W\h''8]Y': Yi Yfk Y\f'VYgW\`cggž'ni g\hm`]W\Y'?f\haZhY'j cb
: Yi Yfk Y\f'i bX'FYhhi b[gX]Ybgh'Ubni ZcfXYfbž'i a 'g]W\Yfni ghY``Ybž
XUgg'U``Y'6Yk c\bYf']b'G]W\Yf\Y]h'[YVfUW\h'k YfXYb'\_cbbhYb"

Dfc ZYgg]cbY``Y '9]bgUhn\_fà ZhY 'VY[ UbbYb 'gc Zcfh'a ]h'XYa @ÒgWX Ub[ f]ZZžgck c\``j cb 'Ui » Yb 'U`g'Ui WX 'j cb ']bbYb"'A Y\fYfY Hfi ddg'i bhYf'5hYa gWXi hn'\_cbhfc``]YfhYb'X]Y 'HfYddYbfài a Y'i bX : `i fY"'8]Y '[ i hY 'B UWX f]WX h. '8]Y 'a Y]ghYb'6Yk c\bYf'\_cbbhYb']b ]\fYb'K c\bi b[ Yb'V`Y]VYbž'k À\fYbX'X]Y': Yi Yfk Y\f'Y]b][ Y'HØfYb [ Yk U`hgUa 'ÒZZbYb'a i gghYž'i a 'X]Y'G]hi Uh]cb']a '6fUbXfUi WX'ni ØVYfdfØZYb"'B UWX 'Yhk U'' \$'A ]bi hYb'k i fXY'XUg': Yi Yf'i bhYf ?cbhfc``Y'[ YVfUWX h"

## BUWX `ÒgWX UfVY]hYb i bX J Yf`Yhni b[Yb

8]Y'BUW\`ÒgW\UfVY]hYb']a '?Y``Yf'nc[Yb'g]W\'YXcW\'`Àb[Yf'\]bž'XUXUg'6fUbX[ih']bg':fY]Y'[YVfUW\h'k YfXYb'aigghY"8Yf
9]bgUhn`Y]hYf'XYf':YiYfkY\f'K]YgVUXYb'k]Yg'X]Y'@c[]gh]\_!;fiddYUbž'X]Y'9]bgUhn\_fÀZhY'jcf'Cfh'ni'jYfgcf[Yb"'5iW\'X]Y':fY]k]``][Yb:YiYfkY\fYb'Uig':fUiYbghY]b'ibX'GW\]YfghY]b'kifXYb'nifIbhYfghØhnib['bUW\U`Ufa]Yfh"

FYhhi b[gX]Ybgha ]hUfVY]hYf'i bhYfgi WkhYb'a Y\fYfY'6Yk c\bYf'Ui Z FUi Wkj Yf[]Zhi b[Ybž'[`ØW\_`]WkYfk Y]gY'k Uf'\_Y]b ?fUb\_Yb\Ui gUi ZYbh\U`h'YfZcfXYf`]Wk"'9]b'5hYa gWki hn[YfÀhYhfÀ[Yf\UhhY'k À\fYbX'XYg'9]bgUhnYg'?fY]g`Ui ZdfcV`Ya Yž'\_cbbhY'YXcWk j cf'Cfh'V`Y]VYb'i bX'k i fXY'Ybh`UggYb"'8]Y'[YgUa hY'@U[Y'VfUWkhYZØf'X]Y'6Yk c\bYf'`Y]WkhY'FUi Wk[YfØWkY'i bX'Y]bY FUi Wkb]YXYfgWk`U[gV]`Xi b['a]h'g]Wkž'Yfbgh\UZhY'JYf`Yhni b[YbV`]YVYb'ni a'; `ØW\_'Ui g"

## 6fUbXi fgUWXY'i bX'GWXUXYbg\Ò\Y

 $8 \ Yf'[YbUiY'5V`UiZ'XYg'6fUbXYg'gck]Y'X]Y'GWWUXYbg\\hat{O}\Y'g]bX a ca YbhUb'bcWW'ib_`Uf''8]Y'Dc`]nY]'\Uh'X]Y'9fa]hh`ib[YbUiZ'XYb'; fibX'[Y\Yb''Gc`WWY'JcfZ\hankled{Z}\Y'g]bX'U`Ufa]YfYbX\z']bgVYgcbXYfY']b'Kc\bUb`U[Yb\z'kc'\hankled{A}\hYfY'AYbgWWYb'kc\bYb'''=a'FU\aYb'jcb'6fUbXghUh]gh]_YbghY``h'XUg'7H\Rightarrow'f7YbhfY'XY'ZcfaUh]cb'Yh'X]bZcfaUh]cb'gif'`Yg]bW'bX]Yg\z'gY]h'\hankled{A}\f`]WW'6Yf]WW'Yf'6fUbX[YZU\fYb'ibXUs'fyg']b'ifQUWWYb'nif'JYfZ\lambda[ib[z'kcVY]'UiWW'X]Y'9bhk]\w_`ib['XYg'6fUbXf]g]_cg']b'ifVUbYb'NYbhfYb'[YbUi'VYcVUWW'hYh'k]fX'''9]b$ 

5 i gni [ 'Ui g'XYa 'bYi YghYb'6Yf]Wkh'Yfk À\bhž'XUgg'X]Y ghUh]gh]gWkYb'9f\YVi b[ Yb'Ui Wk'ni f'JYfVYggYfi b[ 'XYg 6fUbXgWki hnYg'VY]hfU[ Yb'gc``Yb'i bX'j ]Y`Yb'GhÀXhYb'U`g Cf]Ybh]Yfi b[ 'X]YbYb"

K ]YgVUXYb nY][ h'Y]ba U``a Y\fž'k ]Y k ]Wkh][ 'Z b\_h]cb]YfYbXY 6fUbXgWki hna U» bU\a Yb ii bX [ i h'j cfVYfY]hYhY '9]bgUhn\_fÀZhY g]bX"'8 Ug Ni gUa a Ybgd]Y``j cb : Yi Yfk Y\fž'F Yhhi b[ gX]Ybghii bX \_ccfX]b]YfhYb BUWk U`Ufa ]Yfi b[ Yb '\Uh']b 'X]YgYa :: U```XUni VY][ YhfU[ Ybž'XUgg b]Ya UbX gWk Yf'j Yf`Yhnh'k i fXY i bX 'U``Y 6Yk c\bYf'X]Y BUWkh']b 'G]WkYf\Y]h'j YfVf]b[ Yb '\_cbbhYb"

 $: \emptyset f `k Y] h Y f Y `\# Z c f a U h] c b Y b `ni `6 f U b X f] g] \_ Y b `i b X `G] W Y f \ Y] h g h] d d g g] b X `8 Y h U] `g `Ui Z `X Y b `K Y V g Y] h Y b `X Y g `\begin{align*} \begin{align*} \beg$ 

±0 'XYf'Nk ]gWXYbnY]h'V`Y]Vh'UVni k UfhYbž'k Y`WXY'; fØbXY'ni X]YgYa '6fUbX'ZØ\fhYb'i bX'k Y`WXY'A U»bU\a Yb'a Ò[`]WXYfk Y]gY [YhfcZZYb'k YfXYb'a ØggYbž'i a 'À\b`]WXY'J cfZÀ``Y']b'Ni \_i bZh'ni j Yf\]bXYfb"'K ]f'k ØbgWXYb'XYb'VYhfcZZYbYb'6Yk c\bYfb'U``Yg; i hY"

 $K Y ] hY fY `8 Y hU ] `g `ni `XYa `g W k Y fYb `J c fZU ```Y f \ U `hYb `G ] Y `Ui W `]b XYb `6 Y f] W hYb `j c b `K ] Y g V U X Y b 5 _hi Y ```i b X `@c _U `? ca d U _h"$ 

8 Y hU]`g	
Cfh	; fUZIjcb!; U`Yb!GhfU»Yž'*)%-+K]YgVUXYbž
	8 Yi hgWX`Ub X
EiY``Yb	<ul><li>k ]YgVUXYbU_hi Y``"XY</li></ul>
	<ul><li>k k k "`c_U`_ca dUgg"XY</li></ul>
	• Wh]Z"cf[