

## ?`Y]bZ`i [ nYi [ !5Vghi fn`VY]`?f]a a `.`J ]Yf HchY`VY]`HfU[ ÒX]Y`]b`XYb`5`dYb°

9]b'?`Y]bZi [nYi ['Ui g'A ØbW\Yb'ghØfnhY']b'2 ghYffY]W\'UV" J]Yf'8Yi hgW\Y'ghUfVYbž'k À\fYbX'XYf'[YbUi Y'I bZU``\Yf[Ub[ i bhYfgi W\h'k]fX"



?f]a a `ž'² ghYffY]WX '!'9]b'Z fWX hVUfYg'I b[ `ØW\_'\Uh'g]WX 'Ua GUa ghU[a]hhU[']b'XYb'ÒghYffY]WX]gWXYb'5`dYb'YfY][bYh"'9]b
?`Y]bZi [nYi [ž'XUg'Ua 'BUWXa]hhU[']b'CVYfgWX'Y]»\Y]a 'VY]
A ØbWXYb'[YghUfhYh'k Ufž']gh']b'XYf'FY[]cb'D]bn[Ui 'UV[YghØfnh"
8UVY]'ZUbXYb'j]Yf'A YbgWXYb'XYb'HcX"'7\f]gh]Ub'8fYI 'Yfž
GdfYWXYf'XYg'Dc`]nY]dfÀg]X]i a g'A ØbWXYbž'VYghÀh][hY'X]Y
[YgWXY\YbY'HfU[ÒX]Y'i bX'hY]`hY'a]hž'XUgg'XUg'Y]ba chcf][Y
@Y]WXhZi [nYi ['j ca 'Hmd'FcV]b'8F(\$\$#%, \$'i a '%%"&%'I \f'a]h'j]Yf
DUggU[]YfYb'Ub'6cfX'UV[Y\cVYb'\UhhY"'I fgdfØb[`]WX'\UhhYb'X]Y
#bgUggYbž'XfY]'A ÀbbYf'i bX'Y]bY': fUi ž'U``Y'8Yi hgWXYbž'g]WX'Ui Z
XYb'K Y['ni 'XYb'VYY]bXfi W\_YbXYb'?f]a a `Yf'K UggYfZÀ``Yb
[Ya UWXh"

8 Yf 5 Vghi fn YfY][ bYhY g]W ]b XYf BÀ\Y XYf; Yf cgghfU» Y fb %\*) Łż i bk Y]h XYg; Ya Y]b XY[ YV]Y hg j cb ?f]a a `]b GU`nVi f[ "Ni X]YgYa NY]hdi b\_h \YffgW hY VYghYg K YhhYfž U`g XUg : `i [ nYi [ 'd`Òhn`]W Ui g XYb @ZhYb Z]Y`" B UW XYa 5 i ZdfU``ghUb X X]Y A UgW ]b Y gc Zcfh ]b : `Ua a Yb ž k Ug XUni ZØ\fhY ž XUgg X]Y : Yi Yfk Y\f a cV]`]g]Yfh k Yf XYb a i gghYž i a 'gck c\``XUg VfYbbYbXY : `i [ nYi [ 'U`g Ui W XYb Ub [ fYbnYbXYb K U`X ni '`ÒqW Yb ž XYf ni 'VfYbbYb VY [ Ubb"

## FYhhi b[ga U»bU\a Ybʻi bXʻGWXk YfYʻXYf G]hi Uh]cb

8]Y'Gi W\Y'bUW\'a O[`]W\Yb', VYf`YVYbXYb'[YghU`hYhY'g]W\
hfU[]gW\.'Hfchn']bhYbg]j Yf'6Ya Ø\i b[Yb'XYf': Yi Yfk Y\f'i bX
UbXYfYf'FYhhi b[g\_fÀZhY'\_cbbhY'b]Ya UbX'a Y\f'`YVYbX'[YVcf[YbkYfXYb'''6]g`Ub['k i fXYb'\_Y]bY'ØVYf`YVYbXYb'DYfgcbYb
[YZi bXYbž'k Ug'X]Y'@U[Y'bi f'bcW\'XfUa Uh]gW\Yf'a UW\h''BUW\
XYa '5i ZdfU``'i bX'XYa 'XUfUi ZZc`[YbXYb'6fUbX'k i fXY'XUg'; YV]Yh
[YgdYffhž'XU'ni bÀW\gh'i b\_`Uf'k Ufž'cV'XYf'D]`ch'X]Y'DmfchYW\b]\_'ZØf
XYb'j cf[YgY\YbYb'BchZU``gW\]fa 'U\_h]j ]Yfh\UhhY/'G]W\hi b[Yb

8]Y'[YbUiYb'; fØbXY'ZØf'XYb'5Vghi fn'g]bX'j cfYfgh'i b\_`Uf"'Ni j cf k UfYb']b'À\b`]W\Yb': À``Ybž'k ]Y'ni `Yhnh']b'Hi hh`]b[Ybž'Ui W\hÒX`]W\Y'I bZÀ``Y'a ]h'?`Y]bZi [nYi [Yb'Xc\_i a Ybh]Yfh'k cfXYb" 6Y]gd]Y`gk Y]gY'a Y`XYhY'Y]b'D]`ch']b'Y]bYa 'UbXYfYb'J cfZU`` d`Òhn`]W\'gY]bYb': `i ['U`g'j Yfa ]gghž'k Ug'Y]bY'a Y\fghØbX][Y Gi W\U\_h]cb'ni f': c`[Y'\UhhY"'=b'X]YgYa '\_cb\_fYhYb': U``'ghUfV'XYf D]`chž'i bX'Yg'V`Y]Vh'i b[Yk]ggž'cV'Yf'j cf'cXYf'VY]'XYa '5Vghi fn'XUg @YVYb'j Yf`cf"

## 9]b gWka Yfn`]Wk Yg H\Ya U ]a @i Zhj Yf\_Y\f

k YfXYb 'gc`WkY 'HfU[ ÒX]Ybž'k ]Y 'X]Y 'ni `Yhnh']b '6UmYfb 'i bX 
2 ghYffY]Wkž'j cb 'XYf'2 ZZYbh`]Wk\_Y]h'a ]h'[ fc» Yf'6Ygcf[ b]g 
k U\f[ Ybca a Yb"'Jcf'U``Ya '?`Y]bZi [ nYi [ Y'ghY\Yb'XUVY]']a 
: c\_i gž'Ui Wk 'Ui Z[ fi bX']\fYf'5bZÀ``][ \_Y]h'ZØf'd`Òhn`]Wk Y 
K YhhYfÀbXYfi b[ Yb'i bX'hYWkb]gWkY'A Àb[ Y`"

8 Yf 'hfu[ ]gWX Y 'J cfZU```]b 'XYb 'ÒghYffY]WX ]gWX Yb '6Yf[ Yb 'gWX]`XYfh X]Y '; YZU\fYb 'XYg '@i Zhj Yf\_Y\fg 'Y]bXfØW\_`]WX 'i bX 'Yf]bbYfh'i bg XUfUbž'k ]Y 'gWX bY`` 'XUg '@YVYb 'Ui g 'XYf '6U\b' [ YfUhYb '\_Ubb"' \ddots X]YgYb 'gWX k YfYb 'Ghi bXYb 'g]bX 'i bgYfY'; YXUb\_Yb 'VY] 'XYb < ]bhYfV`]YVYbYb"

6]`X`VYf]W\hYhž`XUgg`X]Y`⇒XYbh]hÀh`XYf`CdZYf`bcW\`[Y\_`Àfh`k]fX"
8]Y`9fa]hh`i b[Yb`ni f`I bZU``i fgUW\Y``Ui ZYb`]bXYg`Ui Z'<cW\hci fYbž
k À\fYbX`Ui W\`X]Y`6i bXYgghY``Y`ZØf`: `i [i bZU``i bhYfgi W\i b[`fb: I Ł
]b`X]Y`5i Z\_`Àfi b[`Y]b[YVi bXYb`]gh"; `Y]W\nY]h][`Yf]bbYfh`X]Y
5bU`mgY`j cb`GhUh]ghU`XUfUbž`XUgg`X]Y`G]W\Yf\Y]h`]a
\_ca a Yfn]Y``Yb`@i Zhj Yf\_Y\f`]a `K Y`ha U» ghUV`\cW\`V`Y]Vhž`Ui W\
k Ybb`hfU[]gW\Y`9]bnY`ZÀ``Y`k]Y`X]YgYf`Y]bY`<YfUi gZcfXYfi b[
XUfghY``Yb"

K ]f'k YfXYb'X]Y'G]hi Uh]cb'k Y]hYf'VYcVUW\hYb'i bX' $\emptyset$ VYf 9bhk ]Wi b[Yb'VYf]W\hYb"

8 YhU]`g	
Cfh	?f]a a `ž <sup>·2</sup> ghYffY]WX
EiY``Yb	• k k k "V]`X"XY
	• k k k "hU[ &( "XY
	<ul><li>XY"ghUh]ghU"Wca</li></ul>

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'bU[!VUmYfb"XY