

6Øf[YfdfchYgh'Ua 'BYi VfØW_Yf'F]b[. 6Ui d`ÀbY'gcf[Yb'ZØf'5i ZfY[i b[°

5a '%%"'⅓`]'&\$&) 'ZUbX']a 'GW\i`nYbhfi a 'Cgh\Y]a 'Y]bY 6Øf[Yfj YfUbghU`hi b['ni '6Ui j cf\UVYb'Ua 'BYi VfØW_Yf'F]b[ghUhh"



Cgh\Y]a ž'8Yi hgW\`UbX'! 5a '%%"'\\$\`]'&\$\&\) 'ZUbX']a

GW\i`nYbhfi a 'Cgh\Y]a 'Y]bY'`YV\UZhY'6Øf[YfjYfUbghU`hi b['ni f

2 ZZYbh`]W_Y]hgVYhY]`][i b['Ub'XYb'i a ghf]hhYbYb'6Ui j cf\UVYb'Ua

BYi VfØW_Yf'F]b['i bX'Ua 'FUh\Yf'GYY'ghUhh"'8]Y'\c\Y

HY]`bY\a YfnU\``gcf[hY'XUZØfž'XUgg'U``Y'GhØ\`Y'VYgYhnhik UfYb/
j]Y'Y'6Øf[Yf.]bbYb'a i gghYb'g]W\'Ui Z'HfYddYbghi ZYb'b]YXYf`UggYbž
k Ug'X]Y'Ui Z[YfY[hY'i bX'W\Uch]gW\Y'Gh]a a i b['k]XYfgd]Y[Y`hY''

9a dÒfhY'Nk]gW\Ybfi ZY'i bX'@UW\Yb'\U``hYb'Xi fW\'XYb'FUi a ž'U`g

X]Y'@Y]hYf]b'XYg'GhUXhd`Ubi b[gUa hYgž'9j U'<Yffž'j Yfgi W\hYž'X]Y

J YfgUa a `i b['ni 'YfÒZZbYbž'UVYf']a a Yf'k]YXYf'j cb'XYb

5bk YgYbXYb'i bhYfVfcW\Yb'\k i fXY''

; Yd`Ubh']gh'X]Y'l a k UbX`i b['j cb'%* ž' '< Y_hUf'Y\Ya U`][Ya

A UXUi q!; UfhYb`UbX`]b`Y]b`i fVUbYq'E i Ufh]Yfž']b'XYa 'X]Y'; 5; ',)\$ Kc\bib[Yb'gck]Y'nkY]'?]hUqž'ÒZZYbh`]W\Y';fØbZ`ÀW\Yb'ibX Gd]Y`d`ÀhnY`Yff]W\hYb`a OW\hY"'8cW\`X]Y`?f]h]_`XYf`6Øf[Yf.]bbYb k Uf``Ui h"'J]Y`Y'ZcfXYfhYb'Y]bY'8]q_i qq]cb'ØVYf'XUg' CV i bX b]Wkhrbi fr@VYfrXUgr K]Y rXYgrDfcrY hg"r6YgcbXYfgrVYgcf[hrg]bX 5bk c\bYf'ØVYf'X]Y'J Yfg]Y[Y`i b['j cb'; fØbZÀW\Ybž'X]Y'ZY\`YbXY =bZfUghfi _hi f']b'BYi VfØW_'i bX'X]Y'i bni fY]WXYbXY'5bV]bXi b['Ub' XYb J Yf_Y\fž]bgVYgcbXYfY 'Ui Z'XYf'F ÒgfUh\Yf'GhfU» Y 'i bX 'XYa BYi $Vf@W_Yf^F]b[\check{z}^kc^Y]b^5bgh]Y[^XYg^JYf_Y\fg^ia^&$!'$ \$^i $VYZØfWAhYh'k]fX"'8]YgY'9bhk]W_i b[Yb'ghY\Yb']a 'GWAUhhYb'XYf$ HUhqUWXYžXUqq"ØVYf"%ž* "A]``]cbYb'EiUXfUhaYhYf'Ub'; fØbZÀWXYb]b:XYf:FY[]cb:ibhYf:XYa:8fi W_i|cb:±b|YghcfYb:ibX:_ca a ibU`Yb I bhYfbY\a Yb ghY\Ybž'k]Y ni a '6Y]gd]Y`X]Y ±0]h]Uh]j Y'?Ò`b'V`Y]Vh ; $f\emptyset b \ "U_h] \ "_f]h]q]Yfh" \ 8]YgY \ Uh"VYfY]hq <math>\ \emptyset VYf" \ "" \ $$ \ " \ bhYfgWXf]ZhYb$ FUh\!<Yi a Ufž'BYi VfØW_i bX'5`hVfØW_ž'X]Y'bcW\'Y]bYb'XÒfZ]W\Yb 7\UfU_hYf`\UVYbž'g]bX'VYgcbXYfg'jcb'XYb'D`ÀbYb'VYhfcZZYb'ibX _ÒbbhYb:XifWX:X]Y:BYiVUi[YV]YhY:Yf\YV`]WX:Ub:@YVYbgeiU`]hÀh i Yf`]YfYb"

BUhØf`]WXYFYggcifWYbibhYf8fiW_

8]Y'[Yd`UbhYb'6Uijcf\UVYb'g]bX'b]W\h'bif'ZØf'X]Y'5bkc\bYf'Y]bH\YaU/'g]Y'_ObbhYb'UiW\XX]Y':f]gW\iZhniZ\f'ZØf'?O`b!Cgh[YZÀ\fXYb"'?f]h]_Yf'kUfbYb'XUjcfž'XUgg'X]Y'jYfg]Y[Y`hY':`ÀW\Yjcb''\$\$"\$\$\$`a‡'X]Y'bÀW\h']W\Y'5V_Ø\`ib['ia'V]g'ni'&...7fYXin]YfYb'_ObbhYž'kUg'bY[Uh]jY'5igk]f_ib[Yb'UiZ'XUg'`c_U`Y?`]aU'\Uh''8Ua]h'Y]b\Yf'[Y\Yb'UiW\'6YXYb_Yb'ØVYf'X]YV]c`c[]gW\Y'J]Y`ZU'hž'XU'X]Y':`ÀW\Yb'k]W\h][Y'7C!GdY]W\Yf'ibXFØW_ni[gcfhY'ZØf'VYXfc\hY'5fhYb'XUfghY``Yb''8]Y'6Øf[Yf.]bbYbk]YgYb'XUfUiZ'\]bž'XUgg'ØVYf',\$'i'XYf'5bkc\bYf'X]Y':Y`XYffY[Y`aÀ»]['ZØf':fY]nY]hU_h]j]hAhYb'bihnYb'ibX'XUgg'X]Y'[Yd`UbhYbBYiVUihYb'X]Y'`YhnhYb'[fØbYb'@ib[Yb'XYf'GhUXh'kY]hYf[YZÀ\fXYb"

5`g`5bhk cfh'Ui Z'X]Y'6Øf[YfUbZfU[Yb'i bX'!VYXYb_Yb'VYhcbhY 8Ub]Y``8Y`VfØW_'j cb'XYf'; 5; ž'XUgg`a Ub'cZZYb'ZØf'X]Y' \Rightarrow XYYb'XYf 6Øf[Yf'gY]b'k]``"'5i \Rightarrow YfXYa 'j Yfk]Yg'Yf'Ui Z'X]Y'bchk YbX][Yb

; i hUWk hYb ']a 'F U\a Yb 'XYg '6 YVUi i b [gd`Ubj YfZU\fYbgž'XUg VYfY]hg']b'j c``Ya '; Ub [Y']gh" '9]b'nYbhfU`Yg '5b`]Y [Yb 'XYg [Yd`UbhYb'Dfc 'Y_hYg']gh'Ygž'Y]b'Ui hc ZfY]Yg'E i Ufh]Yf'a]h H]YZ[UfU[YbdUf_d`ÀhnYb'ni 'gWk UZZYbž'k c'' \$'i 'XYf': `ÀWk Y j Yfg]Y [Y`h'k YfXYb'i bX'+\$'i 'ZØf'bYi Y'; fØbUb`U[Yb'ni f J YfZØ[i b ['ghY\Yb'gc``Yb"'9]bY'6Øf[Yf]b'Ài » YfhY'g]Wk'dcg]h]j 'ni XYb'[Yd`UbhYb'GYb]cfYb!K; gž'k Ug'nY][hž'XUgg'b]Wkh'U``Y 5bk c\bYf'X]Y'D`Ubi b [Yb'Ui ggWk`]Y»`]Wk'bY[Uh]j 'gY\Yb"

6YhY]`][ib[ibX'K]XYfghUbX'ghØhnYb'g]W UiZ'HfUbgdUfYbn

K À\fYbX:X]Y:GhUXh:?Ò`b'j Yfgi W\hž:Xi fW\:_ccdYfUh]j Y
6Ui `UbXa cXY``Y'a]bXYghYbg'' \$ i [YZÒfXYfhYb'K c\bfUi a ']b
BYi VfØW_'VYfY]hni ghY``Ybž'[]Vh'Yg']a a Yf'bcW\:Yf\YV`]W\Y
6YXYb_Yb'ØVYf'X]Y'HfUbgdUfYbn'XYf'DfcnYggY"'8]Y': fØ\nY]h][Y
2 ZZYbh`]W_Y]hgVYhY]`][i b['VY[Ubb'VYfY]hgž'YXcW\:k i fXY'X]YgY
_f]h]g]Yfhž'XU'j]Y`Y'5bk c\bYf'XUg'; YZØ\``\UVYbž'XUgg'g]Y'b]W\h
Ui gfY]W\YbX']bZcfa]Yfh'k i fXYb"'8]Y'A Ò[`]W_Y]h'ZØf
GhY``i b[bU\a Yb'ni 'XYb'6Ui j cf\UVYb'YbXYh'Ua '&' "'\$'`]ž'k Ug'XYb
A YbgW\Yb']b'XYf'FY[]cb'V`Y]Vhži a 'g]W\; Y\Òf'ni 'j YfgW\UZZYb"'

8YhU]`g	
Cfh	Cgh\Y]a ž'8Yi hgW\`UbX
EiY``Yb	k k k "fi bXgW\Ui!cb\]bY"XY
	i bgYf[fi Yb[i YfhY`"XY
	• k k k "i a k Y`hVi bXYgUa h"XY

6Ygi WXYb'G]Y'i bg'Ui Z.'a Y]b!_cY`b"bYh