

6f][]hhY'A UWfcbg'ØVYffUgWXYbXY C\fZY][Y'ZØf'DfÀg]XYbh'A UWfcb']b J]YhbUa °

6f][]hhY'A UWfcb'gcf[h'ZØf'5i ZgY\Ybž'U`g'g]Y'9a a Ubi Y`A UWfcb']b'J]YhbUa 'gW\Y]bVUf']bg'; Yg]W\h'gW\`À[h' 'Y]bj]fU`Yf'A ca Ybh'a]h'8]g_i gg]cbYb'ØVYf'<i a cfii bX [Ycdc`]h]gW\Y'FY`Yj Ubn"



< Ubc]žJ]YhbUa !!5a '&+"'A U]'&\$&) 'nc['Y]b'_i fnYg'J]XYc'j cb
6f][]hhY'i bX'9a a Ubi Y`'A UWfcb'k À\fYbX']\fYg'6Ygi W\g']b
J]YhbUa 'X]Y'5i Za Yf_gUa _Y]h'XYf'² ZZYbh`]W_Y]h'Ui Z'g]W\"'=b'XYa
7`]dž'XYf']b'gcn]U'Yb'A YX]Yb'k]Y'L'fY\Ya U`g'Hk]hhYfŁ'j]fU`'[]b[ž
g]Y\h'Yg'gc'Ui gž'U`g'cV'6f][]hhY'A UWfcb']\fYa '9\Ya Ubbž'XYa
ZfUbnÒg]gW\Yb'DfÀg]XYbhYbž'Ui Z'X]Y'K Ub[Y'gW\`A[h"K À\fYbX
9a a Ubi Y`'gW\Y]bVUf'ØVYffUgW\h'fYU[]Yfh'i bX'gW\bY``'X]Y
G]hi Uh]cb'a]h'Y]bYa 'K]b_Yb'UVhi hž'VYgW\`cgg'XUg'HYUa 'XYg
DfÀg]XYbhYbž'X]YgYb'JcfZU``'U`g' gd]Y`Yf]gW\Yb'A ca Ybh 'nk]gW\Yb
XYa 'DUUf'ni 'W\UfU_hYf]g]YfYb'''@Ui h'6Yf]W\hYb'j cb'C ghgYY
NY]hi b['\UhhY'XYf'\Y`mgÅY!DU`Ugh'UbZUb[g'X]Y'9W\h\Y]h'XYg'J]XYcg</pre>

8 Ug'; YgWXY\Yb'k i fXY'j cb'j YfgWX]YXYbYb'A YX]Yb'U`g dchYbn]Y``Yf'5i Z\Ab[Yf'ZØf'8YVUhhYb']b'HU`_g\ck g'[Ybi hnh" : fU[Yb'k i fXYb'Ui Z[Yk cfZYbž'cV'Yg'g]WX'i a 'Y]bY'C\fZY][Y'cXYf Y]bYb'\Ufa `cgYb'GdU» `\UbXY`hY''9a a Ubi Y``A UWfcb'nY][hY'g]WX j YfAf[Yfh'ØVYf'X]Y'GdY_i `Uh]cbYb'ni 'XYa 'J cfZU``i bX VYnY]WXbYhY'X]YgY'U`g' <]fb[Ygd]bghY "'-\D'5bVYhfUWXh'XYf [Ycdc`]h]gWXYb'<YfUi gZcfXYfi b[Ybž'k]Y'XYa 'I_fU]bY!?cbZ]_hž Z]Y`Yb']\a 'j Yf[`]WXYb'a]h'UbXYfYb'Yfbgh\UZhYb'H\Ya Yb']b'XYf dc`]h]gWXYb'@UbXgWXUZh'XYf'FY[]cb'X]Y', VYf`Y[i b[Yb'ni f 8 UfghY``i b[Yb'gY]bYf'6Yn]Y\i b[']a 'OZZYbh`]WX!fYWXh`]WXYb'8]g_i fg k A\fYbX'gY]bYg'6Ygi WXg'Y\Yf'bYVYbgAWX`]WX'j cf"

FYU_h]cbYb]b XYb gcn]U`Yb A YX]Yb

8]Y'FYU_h]cbYb'Ui Z'XUg'J]XYc'k UfYb'ØVYfk À`h][YbX'i bX'gW\bY``
]b'gcn]U'Yb'A YX]Yb'j YfVfY]hYh''K]Y'9Wcbca]WH]a Yg'VYf]W\hYhž
Ài »YfhYb'Bi hnYf'\ia cfj c``Y'?ca a YbhUfY'ØVYf'XYb'JcfZU``ž
XUfi bhYf'6Ya Yf_i b[Yb'k]Y.' 9]b'DfÀg]XYbh'a]h'JYhcfYW\h']a 'I B!
G]W\Yf\Y]hgfUhž'i bX'hfchnXYa '_Y]b'FYgdY_h'ni '<Ui gY'' '8]Y'Bi hnYf
YfnYi [hYb'Ui W\'Y]bY'J]Y`nU\`'j cb'A Ya Ygž'k cVY]'Y]bYg'gc[Uf
Y]bYb'K K 9!À\b`]W\Yb'GW\`U[hcb'VY]b\U`hYhY'''8UVY]'k]fX'X]Y
`Ub[Y'6Yn]Y\i b['XYf'VY]XYbž'X]Y'&('\\J\\fY'5`hYfgi bhYfgW\]YX
i a ZUgghž'i bX'6f][]hhY'A UWfcbg'ZfØ\YfY'Fc``Y'U'g'8fUa U!@Y\fYf]b
j cb'9a a Ubi Y``Yfk À\bhž'k Ug'XYa '; YgW\Y\Yb'Y]bYb'k Y]hYfYb
?cbhYl h'j YfY]\h''

6YgcbXYfg'\Yfj cfni \YVYb']ghž'XUgg'XYf'J cfZU```b]W\h'bi f'U`g [YgY``][Yg'5bY_XÔhW\Ybž'gcbXYfb'Ui W\'U`g'k Y]hYfYg'6Y]gd]Y``ZØf 9a a Ubi Y``A UWfcbg'[Y_cbbhY'Bi hni b['gcn]U`Yf'A YX]Yb VYhfUW\hYh'k YfXYb'_Ubb"'A UWfcb'\Uh'Yg'g]W\'ni 'Y][Yb'[Ya UW\hž X][]hU`Y'D`UhhZcfa Yb'U`g'A Ô[`]W_Y]h'ni 'bi hnYbž'i a 'a]h'Øb[YfYb; YbYfUh]cbYb'ni '_ca a i b]n]YfYb'i bX'gY]bY'DfÀg]XYbhgW\UZh'ni ghÀf_Yb"'9f']gh'XYf'a Y]gh[YZc`[hY'9I!5bZØ\fYf'Ui Z'H]_Hc_'a]h'ØVYf) ž&'A]``]cbYb'5b\Àb[Yfb'i bX'bi hnh'X]YgY'?UbÀ`Yž'i a 'X]fY_h'a]h gY]bYa 'Di V`]_i a 'ni ']bhYfU[]YfYb'i bX'_i `hi fY``Y'HfYbXg Ui Zni [fY]ZYb"

$Ni = \emptyset b Zh][Y = a d] = Uh]cbYb$

9I dYfhYbžk]Y 'Dc``ghYf'@cfYbnc'DfY[`]UgWcžgY\Yb']b'XYa 'gcn]U`Yb A YX]Yb'Yb[U[]YfhYb'5bgUhn'Y]bY'A Ò[`]W_Y]h'ZØf'A UWfcbž'g]W\'U`g GW\`ØggY`U_hYi f']b'XYf'Yi fcdÀ]gW\Yb'i bX']bhYfbUh]cbU`Yb'Dc`]h]_ni 'dcg]h]cb]YfYb"'8]Yg'nY][h'g]W\'Ui W\']b'gY]bYf'GhfUhY[]Yž dcdi `ÀfY'Mci Hi VYf'Y]bni VYn]Y\Yb'i bX'\i a cfj c``Y'J]XYcg'ni H\Ya Yb'k]Y'; Ygi bX\Y]h'cXYf'gdcfh`]W\Yb'5_h]j]hÀhYb'ni j YfÒZZYbh`]W\Yb"'Hfchn'XYf'< YfUi gZcfXYfi b[Ybž'X]Y'X]Y'Bi hni b[gcn]U`Yf'A YX]Yb'a]h'g]W\'Vf]b[Ybž'V`Y]Vh'A UWfcb'Y]b'dfca]bYbhYg; Yg]W\h'XYg'X][]hU`Yb'8]g_i fgYg']b'9i fcdUž'k Ug'Ui W\'Xi fW\'gY]bY?f]h]_'Ub'U_hi Y``Yb'[Ycdc`]h]gW\Yb'H\Ya Yb'g]W\hVUf'k]fX"'

8]Y'JcfZÀ``Y'fi bX'i a '6f][]hhY'i bX'9a a Ubi Y``A UWfcb'k YfZYbb]W\h'bi f'@]W\h'Ui Z'XYfYb'dYfgÒb`]W\Y'8 mbUa]_ž'gcbXYfb'g]bXUi W\'Gma Vc``ZØf'X]Y'[fÒ» YfY'Fc``Yž'X]Y'gcn]U`Y'A YX]Yb']b'XYf\Yi h][Yb'dc`]h]gW\Yb'@UbXgW\UZh'gd]Y`Yb"'K À\fYbX'g]W\'X]YKY`h'U[Y'j YfgW\ÀfZhž'V`Y]Vh'X]Y': fU[Yž']bk]YkY]h'gc`W\Y'A ca YbhYX]Y'`ÒZZYbh`]W\Y'K U\fbY\a i b['XYf': Ø\fi b[gZ][i fYb'VYY]bZi ggYbžfY`Yj Ubh'i bX'XmbUa]gW\"

8 Y hU]`g	
J cfZU``	Gcbgh][Yg
Cfh	< Ubc]ž'J]YhbUa
EiY``Yb	k k k "cghgYY!nY]hi b["XY
	YWcbca]Wh]a Yg"]bX]Uh]a Yg"Wca
	• k k k "Yi fcbYk g"Wca

6 Ygi W Yb 'G]Y 'i bg 'Ui Z 'b!U["bYh