

@]hUi Ybg`DfÀg]XYbh`_f]h]g]Yfh`A Yfn. GUb_h]cbYb`[Y[Yb`Figg`UbX3



?]Yk žI _fU]bY'!'8Yf``]hUi]gWXY'DfÀg]XYbh';]hUbUg'BUi gYXU'\Uh X]Y'i b_cb_fYhYb'GUb_h]cbgXfc\i b[Yb'j cb'6i bXYg_Ubn`Yf : f]YXf]WX'A Yfn'[Y[Yb'Fi gg`UbX'gWXUfZ'_f]h]g]Yfh''K À\fYbX'Y]bYg 6Ygi WXg']b'?]Yk 'Ài »YfhY'BUi gYXUž'XUgg'X]Y'8fc\i b[Yb'c\bY : c`[Yb'[YV`]YVYb'gY]Ybž'k Ug'X]Y'; `Ui Vk ØfX][_Y]h'XYf]bhYfbUh]cbU`Yb'I bhYfghØhni b['ZØf'X]Y'I _fU]bY'[YZÀ\fXY'''A Yfn \UhhY'?]Yk 'j cf'_bUdd'Y]bYa 'A cbUh'[Ya Y]bgUa 'a]h'9a a Ubi Y` A UWfcbž'?Y]f'GhUfa Yf'i bX'8cbU`X'Hi g_'VYgi WXhž'i a 'Gc`]XUf]hÀh ni 'nY][Yb'i bX'j cb'A cg_Ui 'Y]bY'' \$!hÀ[][Y'VYX]b[i b[g`cgY K UZZYbfi \Y'ni 'ZcfXYfb'''5bXYfbZU``g'k i fXYb'i a ZUggYbXY GUb_h]cbYb'Ub[YXfc\h''8]Y': f]gh']gh']bnk]gWXYb'j Yfghf]WXYbž'c\bY XUgg'Fi gg`UbX'fYU[]Yfh'\Uhž'k À\fYbX'X]Y'9I 'k Y]hYf\]b'ØVYf'Y]b %, "'GUb_h]cbgdU_Yh'X]g_i h]Yfh'

BUI gYXU'VYhcbhž'XUgg'X]Y'NI fØW_\U`hi b['VY]'XYf'I a gYhni b[YI fcdÀ]gW\Yf'GhfUZa U» bU\a Yb'[Y[Yb'Fi gg`UbX'dfcV`Ya Uh]gW\gY]"'9f'ZcfXYfh'i a ZUggYbXYfY'A U» bU\a Ybž']bgVYgcbXYfY'X]Y
9]bVYn]Y\i b['U``Yf'9bYf[]Yi bhYfbY\a Ybž'X]Y'XYb'fi gg]gW\Yb
GhUUhg\Ui g\U`h'i bhYfghØhnYbž'XUfi bhYf'bcfX'GhfYUa ž'; Undfca
i bX'FcgUhca "'Ni XYa 'gW\`À[h'Yf'j cfž'j YfV`Y]VYbXY'fi gg]gW\Y
6Ub_Yb'j ca ']bhYfbUh]cbU`Yb'NU\`i b[ggmghYa 'Gk]Zh
Ui gni gW\`]Y» Yb'''=b'X]YgYa 'Ni gUa a Yb\Ub['ZcfXYfh'Yf'Ui W\
GUb_h]cbYb'[Y[Yb'X]Y'GW\UhhYbZchhY'Fi gg`UbXgž'X]Y'ZØf'X]Y
I a [Y\i b['VYghY\YbXYf'GUb_h]cbYb'j YfUbhk cfh`]W\']gh''BUi gYXU
k Ufbhž'XUgg'9i fcdU'U`g'gW\k UW\'k U\f[Ybca a Yb'k YfXYb'_ObbhYž
k Ybb'_Y]bY'a i h][Yb'9bhgW\Y]Xi b[Yb']YhfcZZYb'k YfXYb''

$G]WXYfY]hgVYXYb_Yb'ibX'NY`Ybg_mg'5ddY``$

8 Yf``]hUi]gWX Y DfÀg]XYbh'hY]`h'X]Y 'Gcf[Y 'ØVYf'XUg'G]WX Yf\Y]hgf]g]_c ZØf'X]Y 'B 5 HC ž'XU 'Yf'VYhcbhž'XUgg'Fi gg`UbX'gY]bY '5a V]h]cbYb 'ØVYf X]Y 'I _fU]bY '\]bUi g'Ui gXY\bYb '_ObbhY'' '8]Yg'i bhYfghfY]WX h'X]Y 8 f]b[`]WX_Y]h'ZØf'Y]b'[Ya Y]bgUa Yg'i bX'a i h][Yg'5i ZhfYhYb'XYf'9I! GhUUhYbž']bgVYgcbXYfY']b'5bVYhfUWX h'XYf'[YcghfUhY[]gWXYb BUWX VUfgWX UZh'@]hUi Ybg'ni 'Fi gg`UbXg'J YfVØbXYhYa '6Y`Ufi g"'8 Ug 6]`X'Y]bYg'[YY]bhYb'9i fcdUg'_ObbhY'VYgWXÀX][h'k YfXYbž'gc``hY X]Y'5bhk cfh'Ui Z'Fi gg`UbXg'5[[fYgg]cb'U`g'i bni fY]WXYbX k U\f[Ybca a Yb'k YfXYb"

8 Yf 8 fi W_ Ui Z X]Y fi gg]gW Y K]fhgW UZh

 $\label{lambda} I a ~X]Y fi ~gg]gWXY K ~ghgWX UZh i ~bhYf ~8 fi ~W_ ni ~gYhnYb ~z` \ UVYb ~X]Y ~9 I \\ i ~bX ~X]Y ~; ~+! GhUUhYb ~a ~Y \ fYfY ~GUb_h]c ~bgd ~U_YhY ~[~YgWX b ~Øfh~z ni ~Yhnh) \\ \\$

Y]b'%*"AU» bU\a YbdU_Yhž'XUg'9I dcfh!'i bX'=a dcfhj YfVchY'gck]Y
XYb'5i ggW\iggfi gg]gW\Yf'6Ub_Yb'Ui g'XYa 'GK = H!GmghYa
i a ZUggh"8]YgY'GUb_h]cbYb'n]Y\Yb'XUfUi Z'UVŽ'XYb'8 fi W_'Ui Z
Df\Ag]XYbh'Di h]b'ni 'Yf\\O\Yb"8Yf'9ZZY_h'X]YgYf'AU» bU\a Yb'nY][h
g]W\'YXcW\']b'XYf'Ub\U`hYbX'ghUf_Yb'5V\\Ab[][_Y]h'j cb
fi gg]gW\Ya'; Ug'i bX'2\'Ž'hfchn'Y]bYg'=a dcfhgj YfVchg'ZØf'?c\\Y'i bX
2\'Ui g'Fi gg`UbXž'XUg'[f\O\NbhY]\'g'bUW\'7\]bU'i bX'+bX]Yb
YI dcfh]Yfh'k]fX"

9I dYfhYb'k]YgYb'ni XYa 'XUfUi Z'\]bž'XUgg'X]Y'9ZZY_h]j]hÀh'XYf GUb_h]cbYb'ghUf_'j cb'XYfYb'9]b\U'hi b['UV\Àb[h"5i Z[fi bX j YfgW\]YXYbYf'I a [Y\i b[gghfUhY[]Ybž'XUfi bhYf'XYf'9]bgUhn'U'hYf 2 'hUb_Yf'ZØf'XYb'2 'hfUbgdcfh'bUW\'9i fcdUž'_ObbhYb'X]Y Ub[YghfYVhYb'N]Y'Y'XYf'GUb_h]cbYb'i bhYf'Ui ZYb'k YfXYb"'8Yf A Ub[Y'Ub'hYW\bc'c[]gW\Yb'\\bcj Uh]cbYb']bbYf\U'V'Fi gg`UbXg i bX'X]Y'ghY][YbXYb'@YVYbg\U'hi b[g_cghYb'gck]Y'\\\bz'ZUh]cbgfUhYb XYi hYb'XUfUi Z'\]bž'XUgg'X]Y'GUb_h]cbYb'nk Uf'gW\a Yfn\UZhž'UVYf a O[']W\Yfk Y]gY'b]W\h'Ui gfY]W\YbX'g]bXž'i a 'Fi gg`UbX'bUW\\U'h][ni 'gW\k ÀW\Yb"

8 YhU]`g	
J c f ZU``	GUb_h]cbYb
Cfh	?]Yk ž'l _fU]bY
EiY``Yb	• k k k "k Y`h"XY
	• k k k "hU[YggWXUi"XY
	kkk"XYihgW\`UbXZib_"XY

6Ygi WXYb G]Y i bg Ui Z. b!U["bYh