

FiXc`Zg\Y]a!: ØbZ\Uig. 'Ni_i bZhgdfc'Y_hY ZØf'@YVYbgeiU`]hÀh'ibX'?`]aU°

FiXc`Zg\Y]a!: ØbZ\Uig'd`Ubh'nU\`fY]W\Y'DfcY_hY'nif JYfVYggYfib['XYf'@YVYbgeiU`]hÀh'ibX'gYhnh'UiZ _`]aUZfYibX`]W\Y'=b]h]Uh]jYb']b'XYf'bYiYb'@Y[]g`UhifdYf]cXY"



 $Fi\ Xc\ Zg\ Y\]a\ !:\ \varnothing b\ Z\ Ui\ g\ Z^2\ ghYffY\]WX\ !:\ 8\]Y\ '6\ Yn\]f\ gj\ cfghY\ i\ b\ [Fi\ Xc\ Zg\ Y\]a\ !:\ \varnothing b\ Z\ Ui\ g\ [Y\ h\ a\]h\ HUh\ fUZhi\ b\ X\ '9\ Ub\]b\ X\]Y\ b\ Yi\ Y\ ghY\ b\ 5fVY\]hgg\]hni\ b\ [\ K\ i\ fXY\ b\ nU\ Y\]WX\ Y\ Dfc\ Y\ hY\ i\ b\ X\ J\ YfUb\ ghU\ hi\ b\ [\ Y\ b\ Z\ gf\ X\ Ug\ \&''\ <\ U\ Y\ U\ Y\ U\ f\ gc\ k\]Y\ X\ Y\ g\ y\ b\ Y\$

7`Ya Ybh]bYb[UggY`gc```]a `cVYfYb`5VgW\b]hh`Ui hcZfY]`k YfXYbž`k Ug ZØf`a Y\f`D`Uhn`i bX`G]W\Yf\Y]h`ZØf`: i » [Àb[Yf`gcf[h"`Ni XYa k YfXYb'; Y\qhY][Y`j YfVfY]hYfh`i bX`6Uff]YfYb`a]b]a]Yfh"

BYiY?`]a UgWi hndfc^Y_hY`]a '6Yn]f_

9b['j Yf_bØdZh'a]h'XYb'D`ÀbYb'ni f'@YVYbgei U`]hÀh'g]bX'X]Y'bYi Yb?`]a UgWki hndfc'Y_hYž'X]Y'bi b']b'Fi Xc`Zg\Y]a !: ØbZ\Ui g i a [YgYhnh'k YfXYb"'5i g']bg[YgUa h', ('Y]b[YfY]WkhYb'9bhk ØfZYb k À\`hYb'6Øf[Yft]bbYb!\$ fmg'&' 'Dfc'Y_hY'Ui gž'X]Y']b'XYb'bÀWkghYb nk Y]'\$U\fYb'fYU`]g]Yfh'k YfXYb'gc``Yb"'8Yf'GWk Yfdi b_h'`]Y[h'XUVY]Ui Z'XYf'6Y[fØbi b['XYg'ÒZZYbh`]WkYb'FUi a gž'_`]a UZfYi bX`]WkYf A cV]`]hÀh'i bX'XYf'GhÀf_i b['XYg'; Ya Y]bgWkUZhg`YVYbg"'I bhYf'XYb Dfc'Y_hYb'g]bX'Ui Wk'Y]bY'_`]a UZJhhY'6Y[Y[bi b[gncbY'i bX'Y]b BU\Yf\c`i b[gfUi a "

 \Rightarrow `FU\a Yb`XYg`K]YbYf`?`]a UhYUa gž`XUg`&\$&&`]bg`@YVYb`[Yfi ZYb k i fXYž'k i fXYb`ØVYf`%"* \$\$ \Rightarrow XYYb`j cb`Yb[U[]YfhYb`6Øf[Yf]bbYb i bX`6Øf[Yfb`Y]b[YfY]W\hii bX`_cb_fYh]g]Yfh"`8]Y`bÀW\ghY`Fi bXY XYg`?`]a UhYUa g`VY[]bbh`]a `GYdhYa VYf`&\$&(`i bX`k]fX`]b`XYb 6Yn]f_Yb`&gYZghUXh`i bX`DYbn]b[`k Y]hYf[YZØ\fh"`8]Y`Dfc^Y_hY XYg`?`]a UhYUa g`g]bX`Y]b`k Y]hYfYf`GW\f]hh`]b`X]Y`f]W\h][Y F]W\hi b[ži a `X]Y`GhUXh`_`]a U!`i bX`ni _i bZhgZ\\][`ni `[YghU`hYb"

J YfUbghU`hi b[Ybž'X]Y Ni gUa a Yb\U`h ZÒfXYfb

8]Y'6Yn]f_gj cfghY\i b['gYhnh'b]W\h'bi f'Ui Z'Dfc Y_hYž'gcbXYfb'Ui W\Ui Z'; Ya Y]bgW\UZh"'NU\`fY]W\Y'J YfUbghU'hi b[Yb'g]bX'[Yd`Ubhž'X]Y XUg'A]hY]bUbXYf'i bX'XUg'Ni gUa a Yb`YVYb'ZÒfXYfb'gc``Yb"'8Uni [Y\ÒfYb'XYf'6Yn]f_g`Ui Z'FI B'%) ž'X]Y'6Yn]f_gZYghk cW\Ybž'XUg K UggYfk Y`hZYghž'XYf'8Àa a YfgW\cddYb'i bX'Y]b'K Y]\bUW\hgXcfZ'' 8]YgY'5_h]j]hÀhYb'V]YhYb'b]W\h'bi f'I bhYf\U'hi b[ž'gcbXYfb'ghÀf_YbUi W\'XYb'nk]gW\Yba YbgW\`]W\Yb'5i ghUi gW\"

9]b'k Y]hYfYf'Di b_h'Ui Z'XYf'5[YbXU'g]bX'X]Y GUb]Yfi b[ga U» bU\a Yb'Ub'6]`Xi b[gY]bf]W\hi b[Yb'k]Y'XYf'; HJ G

FY]WkgUdZY`[UggY"'5i Wk'VY]'XYf'JYf_Y\fgVYfi\][ib['ibX'XYb'?`]a UgWki hna U»bU\a Yb'gc``Yb']b'XYb'_ca a YbXYb'*J\fYb: cfhgWkf]hhY'Yfn]Y`h'k YfXYb"'8]Y'6Yn]f_gj cfghY\ib['ZÒfXYfh'ni XYa_`Y]bY'ibX'a]hhY`ghÀbX]gWkY'IbhYfbY\a Yb'gck]Y'gcn]U`Y
9]bf]Wkhib[Yb'ibX'6`Ui`]Wkhcf[Ub]gUh]cbYb'U_h]j"

Ni gUa a YbZUggYbX'`Àggh'g]W\'gU[Ybž'XUgg'FiXc`Zg\Y]a!: ØbZ\Ui g Ui Z'Y]bYa '\Yfj cffU[YbXYb'K Y[']ghž'i a 'Xi fW\'Y]bY'?ca V]bUh]cb Ui g' \pm 2fUghfi _hi fdfc Y_hYbž'?`]a UgW\i hnž'i bX'gcn]U`Yb' \pm 0]h]Uh]j Yb X]Y'@YVYbgei U`]hÀh']a '6Yn]f_'bUW\\U`h]['ni 'j YfVYggYfb"'A]h'XYb bYi Yb'Dfc Y_hYb'i bX'Y]bYf'ghUf_Yb'6Øf[Yfl]bbYb!6YhY]`][i b[_ca a h'6Yk Y[i b[']b'X]Y'; fÀhn`b"'9]bY', VYfg]W\h'U``Yf'bYi Yb Dfc 'Y_hY'nY][h'Y]bXfi W_gj c``ž'k]Y'j]Y``; YghU`hi b[g_fUZh']a '6Yn]f_ghY W_h'"

8 YhU]`g	
Cfh	FiXc`Zg\Y]a!: ØbZ\Uigž ⁻² ghYffY]W\
EiY``Yb	• k k k "_cga c"Uh
	dfYggY"k]Yb"[j "Uh
	k k k "XYfghUbXUfX"Uh

6 Ygi W Yb 'G]Y 'i bg 'Ui Z 'a Y]b!k]Yb "b Yh