

; YXYb_Yb`]b`<Ua Vi f[.'Bi f`k Yb][Y [Y[Yb': Ya]n]X`i bX`dUhf]UfWkU`Y'; Yk U`h

DYfgcbYb [Y[Yb : Ya]n]XY i bX dUhf]UfW U`Y ; Yk U`hž'bUW XYa 'A cfX 'Ub 'Y]bYf'&%! À\f][Yb"



5`a U!K UfhYbVYf[!D`Uhnž'&&+*) '< Ua Vi f[ž'8Yi hgW\`UbX'!
5a 'A]hhk cW\žXYa '%*" '\dangle \]i&\&\) ž'ZUbX'Y]bY'VYk Y[YbXY
8Ya cbghfUh]cb'Ui Z'XYa '5`a U!K UfhYbVYf[!D`Uhn']b'ChhYbgYb
ghUhh" '9hk U') \dangle AYbgW\Yb'_Ua Yb'ni gUa a Ybžii a '[Y[Yb
dUhf]UfW\U'Y'; Yk U'hi bX'ZØf'X]Y'CdZYf'j cb': Ya]n]XYb'ni
dfchYgh]YfYb" '8]Y'JYfUbghU'hi b['k Uf'Y]bY'; YXYb_ZY]Yf'ZØf'Y]bY
&\lambda \A\f][Y < Ua Vi f[Yf]b\zX]Y'j cf'Y]bYf'K cW\Y']\f'@\YVYb'Xi fW\X]Y' < UbX']\fYg'9!!DUfhbYfg'j Yf`cfYb'\UhhY" '8]YgY'[fUi gUa Y'HUh\zX]Y'Ua ', "'\dangle \]i]b'6Ufa VY_!BcfX'[YgW\U\\z\za UW\hXYi h\]W\\z'k]Y
k]W\h]['Yg']gh\zXUg'H\Ya U': Ya]n]X']b'XYf'^2 ZZYbh']W_Y]h'ni
h\Ya Uh]g]YfYb"'8]Y'\f\b[Y'Ai hhYf']Y\rangle Y]b'Yoy]W\\hX cbUhY'U'hYg'6UVm
ni f@\ZXUg'bi b'c\bY'gY]bY''Y]V']W\Yb'9`hYfb'Ui Zk\AW\gh"

A Ub 'hOhY h'b]Wk h'Ui g'@]Y V Y ž ghcddh: Ya]n]X Y 'f]Y ZY b'X]Y 8 Ya cbghf]Y fY b X Y b'`Ui hghUf_ž'k À\fY b X'Ua '6c X Y b'; fUV`]Wk hY f ž F cgY b'i b X'V`i hfch'[YZÀfVhY'GWki\Y'`U[Yb"=a 'A]hhY`di b_h'X Y g D`Uhn Y g'\UhhY b'X]Y'C f[Ub]gUhcfY b'? Y fn Y b ž'6`i a Y b'i b X gWk f]Zh`]Wk Y'6c hgWk UZhY b'd`Uhn]Y fh''8 Ug'5 bh]!: Ya]b]n]X!B Y hnk Y f_ž X Ug'g]Wk 'Ub'X Y b'A]hhk c Wk'b UWk'Y]b Ya: Ya]n]X'j Y fgUa a Y`hž'k]``XUa]h'Y]b'ghUf_Yg'NY]Wk Y b'gY hny b'''G]Y'V Y hcbY b ž'X Ugg'gc`Wk Y HUhY b'b]Wk h'U`g' 6 Y n]Y\i b[gX f UaYb''' UV[YhUb'k Y f X Y b' X Ø f Z Y b ž gcbXY f b'_`Uf'U`g': Ya]n]X'i b X'5i gX fi W_'d Uhf]UfWk U`Y f'; Y k U`h Y f_Ubbh'k Y f X Y b'a Ø ggY b''' D`U_UhY'k]Y' BY bbh'Y g'V Y]a'B UaYb''' 9 g\Y]» h': Ya]n]X'i f Y f X Y i h`]Wk h Y b'X]Y g Y g'5 b`]Y [Y b''

8Ug D\Abca Yb 9\f[Yk U`h

: Ya]n]XY g]bX _Y]b _9]bnY `ZY bghY fž gc b XY fb `HY] `Y]bYg [fÒ» Y fY b [YgY ``gW UZh]W Yb `Dfc V `Ya g" +b _8 Yi hgW `Ub X g]bX : fUi Yb ii b X A ÀXW Yb `\ Ài Z][_ij cb 'gc [Yb UbbhYb _9 \ fY ba cf XY b _VY hfc ZZY b ž k]Y Y]bY ii a ZUggY b XY _5 b U `mgY _ij cb _8 Yi hg W `Ub X Zi b _ nY][h" _8]YgY HUhYb _Z]b XYb _c Zh]b _d Uhf]Uf W U `]gW _[Ydf A [hYb : Ua] `]Ybj Yf V Ab XYb ghUhhž k c VY] `]bg V Ygc b XY f Y a][fUb h]g W Y : fUi Yb _VY hfc ZZY b _g]b X " 8]Y _8 i b _Y `n]ZZY f X]YgY f J Yf V f Y W Yb _k]f X _U `g` \c W Y]b [Yg W Ahnh/ j]Y Y _HUhYb _V `Y]VYb ii b Yf ZUggh " _8]Y _9f \ O\ ii b [XYg [YgY ``g W UZh `] W Yb _6 Y k ii gghgY]bg _]gh _ji cb _Yb hg W Y]X Yb XY f 6 Y X Yi hii b [ž ii a _: fUi Yb 'ni g W Øhn Yb ii b X _I b h Yf gh Øhn ii b [`ni V]Yh Y b"

8 UgʻD\Àbca YbʻXYfʻ9\f[Yk Uʻhʻk]fX`\Ài Z][ʻa]hʻVYgh]a a hYb
_i `hi fY``YbʻA i ghYfbʻ]bʻJYfV]bXi b[ʻ[YVfUWXhžk cVY]ʻX]YʻK < CʻXYb
6Y[f]ZZʻ: Ya]n]XʻUʻgʻi a ZUggYbXYfʻUbg]Y\h"·8 UgʻnY][hʻg]WXʻUi WX
]bʻXYbʻ6Yf]WXhYbʻXYgʻ6i bXYgnYbhfU`YʻZØfʻdc`]h]gWXYʻ6]`Xi b[''
8 YfʻA cfXʻUbʻ< Uhi bʻGØfØWØʻ]aʻ\J\f`&\$\$)ʻVY]gd]Y`gk Y]gYʻVfUWXhY
XUgʻH\Ya Uʻ9\fYba cfXYʻ]bʻXYbʻ: c_i gʻXYfʻ² ZZYbh`]WX_Y]hii bX
ZØ\fhYʻni Y]bYfʻ[Ygh]Y[YbYbʻdc`]h]gWXYbʻ5i Za Yf_gUa_Y]hʻZØfʻXUg
DfcVʻYa "'8 cWXʻY\f[Yk Uʻhʻ]ghʻY]bʻ[`cVUʻYgʻD\Àbca Ybʻi bXʻb]WXh
Uʻ`Y]bʻUi ZʻXYbʻ=gʻUa cXYfʻa][fUbh]gWXYʻ7 ca a i b]h]YgʻVYgWXfÀb_h"
+bʻj]YʻYbʻ?i`hi fYbʻ[]VhʻYgʻHfUX]h]cbYbžʻX]Yʻgc`WXY; Yk U`h

Y[]h]a]YfYb"

K]WX h][Y '=b]h]Uh]j Yb 'i bX '[YgYhn`]WX Y JYfÀbXYfi b[Yb

8]Y 'gcn]U`Yb'i bX'[YgYhn[YVYf]gWXYb'FU\a YbVYX]b[i b[Yb gd]Y`Yb'Y]bY'YbhgWXY]XYbXY'Fc``Y']a '? Ua dZ'[Y[Yb': Ya]n]XY"'A]h XYa '[Yd`UbhYb'; Yk U`h\]`ZY[YgYhn'gc``Yb'UV'&\$' &'i a ZUggYbXY GWXi hna U» bU\a Yb'ZØf'CdZYf'\Ài g`]WXYf'; Yk U`h'Y]b[YZØ\fh k YfXYb"'6YfUhi b[gghY``Ybž'k]Y'X]Y'MUgYa]b']b'Ghi hh[Ufhž'\UVYb g]WX'VYfY]hg'XYa 'H\Ya U'Ub[Ybca a Yb'i bX'i bhYfghØhnYb': fUi Yb i bX'A ÀXWXYbž'X]Y'j cb'9\f[Yk U`h'VYhfcZZYb'g]bX"'8]YgY'\dangen b]h]Uh]j Yb g]bX'Xf]b[YbX'bchk YbX][ži a 'XUg'6Yk i gghgY]b'ZØf'dUhf]UfWXU`Y Ghfi _hi fYb'i bX'; YgWX`YWXhYffc``Yb'ni 'gWXÀfZYb"

Hfchn:X]YgYf:6Ya Ø\i b[Yb:nY][h:XYf:FØW_[Ub[:XYf]HY]`bY\a YfnU\`Yb:VY]:XYf; YXYb_XYa cbghfUh]cb:]b:ChhYbgYbž XUgg:XUg:JYf\à`hb]g:XYf; YgY``gWXUZh:ni :X]YgYa :H\Ya U:bcWX b]WXh:X]Y:8f]b[`]WX_Y]h:YffY]WXh:\Uhž:X]Y:Yg:VfUi :WXh":K Y]hYf\]b:]gh Yg:k]WXh][ž:Ui Z:XUg:@Y]XYb:XYf:6YhfcZZYbYb:Ui Za Yf_gUa :ni a UWXYb:i bX:gc`]XUf]gWX:ni gUa a Ybni ghY\Ybž:i a :JYfÀbXYfi b[Ybni :YffY]WXYb"

8 Y hU]`g	
Cfh	5`a U!K UfhYbVYf[!D`Uhnž&&+*) '< Ua Vi f[ž
	8 Yi hgWX`Ub X
EiY``Yb	• k k k "a cdc"XY
	k k k "XYi hgW\"\UbXZi b_"XY
	• k k k "VdV"XY

6Ygi WXYb G]Y i bg Ui Z bU[!\Ua Vi f["XY