

9h\]gW\Y'8YVUhhYb'i bX'? = '8Ug'Yfk UfhYh G]Y'\Yi hY'VY]'A Uf_i g'@Ubn°

9fZU\fYb'G]Y']b'i bgYfYa '5fh]_Y``U``Yg'ØVYf'X]Y'HU`_g\ck / ei ch/A Uf_i g'@Ubn/ ei ch/'Ua '&+"'A U]'&\$&).'; ÀghYž H\Ya Yb'i bX'U_hi Y``Y'8]g_i gg]cbYb']a 'N8:"



A Øb W Ybž8 Yi hgW `Ub X '! 8]Y `HU`_g\ck ` A Uf_i g @Ubn `YfZfYi h g]W `bUW `k]Y j cf'[fc» Yf 6Y`]YVh\Y]hii bX k]fX gY]h &\$\$, `]a `N8: Ui g[YghfU\`h" 5_hi Y```g]bX 'YXYb '8]YbghU[`V]g 8cbbYfghU[`i a &' "\$\$ `I \f ØVYf `Y]bY `A]``]cb `Ni gW Ui Yf `fY[Y`a À»][`XUVY]" 5a `&+" A U] `&\$&) `ghY\h `VYgcbXYfg `X]Y `8]g_i gg]cb `i a `Yh\]gW Y: fU[Yb `]a A]hhY`di b_hžX]Y `gck c\``XYb `6Y[]bb `U`g `Ui W `XUg `9bXY `XYg @YVYbg `VYhfYZZYb" `Ni `XYb `Y]b[Y`UXYbYb'; ÀghYb'[Y\ÒfYb bUa \UZhY '9I dYfhYb'k]Y '5 `YbU '6i ml ž'A UbZfYX @Øhnž'9i [Yb '6fmgW ibX '5bXfÅ 'BYa Uhž'X]Y `i bhYfgW]YX`]W Y `DYfgdY_h]j Yb `Ui Z'X]YgY _ca d`YI Yb `H\Ya Yb 'dfÀgYbh]YfYb"

5`YbU'6i mlžY]bY'fYbca a]YfhY'A YX]n]bYh\]_Yf]bž'k]fX'ØVYf'X]Y Yh\]gW\Yb'<YfUi gZcfXYfi b[Yb'gdfYW\Ybž'X]Y'a]h'@YVYbgVY[]bb i bX '!YbXY'j YfVi bXYb'g]bX"'=\ fY '5bg]W\ hYb'g]bX'VYgcbXYfg']b'XYfU_hi Y``Yb'[YgY``gW\UZh`]W\Yb'8YVUhhY'ØVYf'a YX]n]b]gW\Y'9h\]_
j cb'6YXYi hi b["'A UbZfYX'@Øhnž'Y]b'VY_UbbhYf'H\Yc`c[Yž'Vf]b[h
gY]bY'; YXUb_Yb'ni 'a YX]n]b]gW\Ya :: cfhgW\f]hhž
gY`VghVYgh]a a hYa 'GhYfVYb'i bX'X]Y'5bg]W\hYb'XYg'DUdghYg'Y]b"
9i [Yb'6fmgW\ž'XYf'g]W\'U`g'DUh]YbhYbgW\ØhnYf'Yb[U[]Yfhž'k]fX
g]W\'_`Uf'[Y[Yb'U_h]j Y'GhYfVY\]`ZY'i bX'_ca a Yfn]Y```cf[Ub]g]YfhY
Gi]n]XUgg]ghYbn'Ui ggdfYW\Yb"

8 Yf: cfhgWXf]hh XYf? Øbgh`]WXYb =bhY``][Ybn

9]b k Y]hYfYf nYbhfU`Yf Di b_h:XYf 8]g_i gg]cb k]fX:XUg:DchYbn]U`j cb ?Øbgh`]W\Yf \(\delta \)hY``][Ybn ff? \(\delta \)]b XYf A YX]n]b gY]b "5bXfÅ BYa Uh k]fX:XUni 'VY]hfU[Ybž k]Y ?? \(= \delta \); Ygi bX\Y]hgk YgYb ']a d`Ya Ybh]Yfh k YfXYb '_Ubb i bX k Y`W\Y' J cfhY]`Y'X]Yg a]h g]W\ 'Vf]b[h" 8]Y 6YXYi hi b['XYf 8][]hU`]g]Yfi b['i bX'XYf ? \(= \delta \) XYf A YX]n]b ']gh]bnk]gW\Yb 'i bi a ghf]hhYb 'i bX k]fX 'Ui W\ 'j cb '9I dYfhYb 'k]Y'Dfc Z'' 8f" 8f": UV]Ub 'H\Y]gž XYf XUg '7 ca di hUh]cbU`' < YU`h\ '7YbhYf j cb < Y`a \c`hn 'A i b]W\ '`Y]hYhž gck]Y'Dfc Z'' 8f" 8Ub]Y`U' < Ufha Ubbž 7\YZ\delta fnh]b 'XYf '? `]b]_ 'Z\delta fa Uhc`c[]Yž k Y]hYf\]b 'VY_f\delta Zh][h" 8]YgY: UW\ 'Yi hY'UfVY]hYb 'Ub ']bbcj Uh]j Yb '9bhk]W_`i b[Ybž X]Y'X]Y a YX]n]b]gW\Y'6Y\UbX`i b['fYj c`i h]cb]YfYb '_\delta bbYb''

@Ui h'h!cb`]bY"XY'k i fXY'X]Y'G\ck '&\$&%'a]h'XYa '8Yi hgW\Yb : YfbgY\dfY]g']b'XYf'?UhY[cf]Y' 6YghY' \(\pi\)Zcfa Uh]cb Ui g[YnY]W\bYh'' A Uf_i g'@Ubn'\Uh'g]W\'gY]h'gY]bYa 'K YW\gY`'j ca FH@'ni a 'N8: ']a '\(\pi\)\f'&\\$\$, 'j cb'H\Ya Yb'k]Y'6YUi hm'i bX'@]ZYghm`Y UV[Yk UbXh'i bX'_cbnYbhf]Yfh'g]W\'ni bY\a YbX'Ui Z'dc`]h]gW\Y'i bX [YqY``qW\UZh`]W\'fY`Yj UbhY'H\Ya Yb"

 $8]Y "9bhk]W_`i b[Yb']b'XYf'8][]hU`]g]Yfi b['VY[Y[bYb'Ui Wk < YfUi gZcfXYfi b[Ybž'X]Y']b'XYf'\Yi h][Yb'GYbXi b['VYgdfcWkYb k YfXYb''A]f'Ua '?chha Ubbž'Y]bY'9l dYfh]b'Ui Z'X]YgYa '; YV]Yhž X]g_i h]Yfh'Zcfh`Ui ZYbX'X]Y'J YfÅbXYfi b[Yb']b'XYf'a YX]n]b]gWkYb @UbXgWkUZh''8]YgY'H\Ya Yb'k YfXYb'b]Wkh'bi f']b'XYf'HU`_g\ck ž gcbXYfb'Ui Wk']b'Y]bYa 'VfY]hYfYb'?cbhYl hž'k]Y'Yhk U'XYb 6Y]hfÅ[Yb']b'XYf'5F8'A YX]Uh\Y_ž'VY\UbXY`h'''5F8'i bhYfghfY]Wkh X]Y'j]Y`ZÀ`h][Yb'A Ò[`]Wk_Y]hYbž'X]Y'X]Y'?Øbgh`]WkY'<math>\pm$ hY``][Ybn']b

8]Y'\Yih][Yb'; YgdfÀW\gh\Ya Yb'g]bX'gca]h'b]W\h'bi f'j cb U_UXYa]gW\Ya '=bhYfYggYž'gcbXYfb'VYfØ\fYb'a]h'[fc»Yf 5_hi U`]hÀh'Ui W\'U``hÀ[`]W\Y'5gdY_hYž'X]Y''YXYb'VYhfYZZYb'_ObbYb"

8 Y hU]`g	
J c f ZU``	Gcbgh][Yg
Cfh	A ØbWX Ybž'8 Yi hgWX`UbX
EiY``Yb	• k k k "h!cb`]bY"XY
	• k k k "UVYbXnY]hi b[!
	a i YbWXYb"XY
	• k k k "UfXa YX]Uh\Y_"XY

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