

FYdUfUhi f!7UZÅ]b 8cbUi k Ofh\. FYhhYb G]Y =\ fY GWX AhnY Ua (" <math>i = i)

 $F\ Yd\ Uf\ Uhi\ f!\ 7\ UZ^{A'}]b'8\ cb\ Ui\ k\ Of\ h'\ OZZb\ Yh'\ Ua''("'\dot{*}~\dot{}~)''\&\$\&)"$ Bi hn\ Yb'\ G\ Y'\ X\ Y\ Ub\ W'\ ni\ f'b\ U\ \ \ U`\ h\ [Yb';\ Yf\ A\ h\ Y!\ F\ Yd\ Uf\ Uhi\ f"



 $DUf_ghUXh\check{z}`8\,cbUi\,k\,\grave{O}fh\backslash\,\check{z}`8\,Yi\,hgW\lambda\,`Ub\,X\,'!\,`5a\,\,':\,fY]hU[\,\check{z}`XYa\,\,'(\,"\,\,\dot{z}\,)) \\ + \mathring{S}^{\circ}()ZZbYh\,]b\,`8\,cbUi\,k\,\grave{O}fh\backslash\,\dot{Y}]b\,'[\,\,Ub\,n\,\,'V\,Ygc\,b\,XY\,fYg\,^@c\,_U\,^\circ gY]b\,Y \\ + \mathring{S}^{\circ}() + \mathring{S}^{\circ}$

K À\fYbX'XYf'FYdUfUhi fnY]h'_ÒbbYb'X]Y'6Ygi W\Yf.]bbYb'VY] ?UZZYY'i bX'?i W\Yb'YbhgdUbbYb"'8Ug'HYUa 'XYg A Y\f[YbYfUh]cbYb\Ui gYg`gcf[h`ZØf`Y]bY`ZfYi bX`]WXY`5ha cgd\ÀfY i bX`b]a a h`ni f`I bhYfghØhni b[`Ui WX`?i WXYbgdYbXYb`Ybh[Y[Yb`Ybhk YXYf`X]fY_h`]a '; YgdfÀWX`cXYf`dYf`9!A U]``Ub a Y\f[YbYfUh]cbYb\Ui g"XcbUi k cYfh\4 [a I "XY"`Ni XYa `ghY\h Y]bY`B56I!<UbXmVcI `VYfY]hž`]b`XYf`U`hY`cXYf`_Udi hhY`<UbXmg [YgUa a Y`h`k YfXYb"`8Yf`9f`Òg`Z]Y» h`]b`BUhi fgWXi hndfc`Y_hYž`Y]bY hc``Y`7\UbWYž`[`Y]WXnY]h][`U_h]j `Yhk Ug'; i hYg`ni `hi b`

GhUUh`]WXY': ÒfXYfi b['ZØf'FYdUfUhi f! =b]h]Uh]j Yb

9]b'[fc» Yf'GWX f]hh']b'F]WX hi b['BUWX\U'h][_Y]h'k]fX'Ui WX'Ui Z
Vi bXYgdc`]h]gWXYf'9VYbYi bhYfbca a Yb"'5V'8YnYa VYf'&\$&(
_ObbYb'Y\fYbUa h']WXY'+b]h]Uh]j Yb'j cb'XYf'YfghYb'Vi bXYgk Y]hYb
: OfXYfi b['ZØf'FYdUfUhi f!+b]h]Uh]j Yb'dfcZ]h]YfYb"'+a 'FU\a Yb'XYg
Dfc[fUa a g' FYdUf]YfYb'ghUhh'K Y[k YfZYb 'ghY\Yb'ØVYf'XfY]
A]``]cbYb'9i fc'ni f'JYfZØ[i b[ž'X]Y'XUni 'X]YbYb'gc``Ybž
JYfVfUi WXYf.]bbYb'ni 'i bhYfghØhnYbž'DfcXi _hY'`]YVYf'ni
fYdUf]YfYb'ghUhh'g]Y'Y]bZUWX'k Y[ni k YfZYb"
6i bXYgi a k Y`ha]b]ghYf]b'GhYZZ]'@Ya _Y'VYhcbh'X]Y'6YXYi hi b[
gc`WXYf'+b]h]Uh]j Yb'ZØf'X]Y'; YgY``gWXUZh"' 8 Ug'Dfc[fUa a 'Yf[Àbnh k]WXh][Y'9I !FY[Y`i b[Yb'ni '2 _cXYg][b'i bX'XYa 'FYWXh'Ui Z
FYdUfUhi f ž']bZcfa]Yfh'BUWX\U'h][Yf'?cbgi a "

Jcb'X]YgYf': ÒfXYfi b[ž'X]Y'V]g'5bZUb['&\$&*'`Ài Zhž'_ÒbbYb
[Ya Y]bbØhn][Y'FYdUfUhi f]b]h]Uh]j Yb'V]g'ni '' "\$\$\$'9i fc'Y]ba U`][
VYUbhfU[Yb"'A Ò[`]W\'g]bX': ÒfXYfa]hhY``ZØf'X]Y'JYfVYggYfi b['XYf
5i gghUhhi b[ž': cfhV]`Xi b[ga U» bU\a Yb'gck]Y'ZØf
JYfUbghU`hi b[Yb"'Ni XYa 'Yf\Ò\h'g]W\'X]Y'; Yk À\f`Y]ghi b[gZf]gh
VY]'FYdUfUhi fYb'Ui Z'Y]b'\$\J\f' 'Y]bY'_`UfY'GhÀf_i b['ZØf'X]Y'FYW\hY
XYf'JYfVfUi W\Yf.]bbYb°

$FY[Y`b'ibX'5bhfU[g]YfZU\fYb$

5``YfX]b[g'g]bX'X]Y': ÒfXYfa]hhY``b]W\h'i bVY[fYbnh"'5bhfÀ[Y_cbbhYb'V]g'ni a '&("': YVfi Uf'&\$&) 'Y]b[YfY]W\h'k YfXYb"'I a 'UbX]YgYf': ÒfXYfi b['hY]`ni bY\a Ybž'a ØggYb'VYfY]hg'U_h]j Y'; fi ddYb

j cf\UbXYb gY]b `BYi [fØbXi b[Yb g]bX b]W\h'ZÒfXYfZ\\]["'Ni 'XYb 5bZcfXYfi b[Yb n\]\h'hi bhYf UbXYfYa 'X]Y j YfÒZZYbh`]W\hY 8i fW\ZØ\fi b['j cb a]bXYghYbg'j]Yf'J YfUbghU`hi b[Yb 'ZØf'\&\\$\&\) gck]Y 'Y]b '[Ø`h][Yf': fY]ghY``i b[gVYgW\Y]X 'XYf'VYUbhfU[YbXYb Cf[Ub]gUh]cb"K Y]hYfY \Rightarrow Zcfa Uh]cbYb 'Z]bXYb 'g]W\ 'Ui Z'XYf cZZ]n]Y``Yb 'D`UhhZcfa \check{z} 'X]Y 'j cb' F YdUfUhi $f! \Rightarrow h$ Uh]j Yb VYfY]h[YghY``h'k]fX"

#g[YgUa h'nY][h'g]WX 'gck c\``Ui Z``c_U`Yf'U`g'Ui WX 'Ui Z'bUh]cbU`Yf
9VYbY. 'BUWX\U`h][_Y]h'i bX 'F YdUfUhi f']a '5``hU['g]bX'[YZfU[h'k]Y
b]Y'ni j cf"'8 Ug'8 cbUi k Òfh\Yf'F YdUfUhi f'7 UZÅ']gh'XU'bi f'Y]b
_`Y]bYgž'UVYf'ZY]bYg'6Y]gd]Y`ž'k]Y'k]f'U``Y'U_h]j 'ni a
I a k Y`hgWXi hn'VY]hfU[Yb'_ÒbbYb"'GWXUi Yb'G]Y'j cfVY]'i bX
Vf]b[Yb'G]Y'≜f'XYZY_hYg'; YfÀh'a]h' j]Y``Y]WXh'[]Vh'Yg'Ui WX'ZØf
G]Y'XUg'Y]b'cXYf'UbXYfY'k Yfhj c``Y'GhØW_'ni 'fYdUf]YfYb'°

8 Y hU]`g	
Cfh	DUf_ghUXhž8cbUikÒfh\ž8YihgW\`UbX
EiY``Yb	k k k "XcbUi !f]Yg!U_hi Y``"XY
	• bUWX\U`h][Yf_cbgia"]bZc
	• k k k "fYdUfUhi f!]b]h]Uh]j Yb"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'bU[!VUmYfb"XY