

GWX k YfYf'I bZU``'Ui Z'XYf'GWXYfa VYW<u>Y</u>Yf GhfU» Y. 'Dc`]nY]']a '9]bgUhn

GWXk YfYf'J Yf_Y\fgi bZU```a]h'DYfgcbYbgWXUXYb'Ui Z'XYf GWXYfa VYW_Yf'GhfU» Y']b'F UYgZY`X!9f`Y' 'Dc`]nY]'i bX FYhhi b[gX]YbghY']a '9]bgUhn"

8 Y hU]`g ni a J c f ZU``

8 Yf'J cfZU``YfY][bYhY'g]W.'Ui Z'XYf'GW.Yfa VYW_Yf'GhfU» Yž'X]Y VY_Ubbh']gh'ZØf']\fYb']bhYbg]j Yb'J Yf_Y\f'i bX'\Ài Z][Yb'Bi hni b[Xi fW.'DYbX`Yf'i bX'5bk c\bYf"'+b'XYf'J Yf[Ub[Yb\Y]h'[UV'Yg VYfY]hg'À\b`]W.Y'Nk]gW.YbZÀ``Y']b'XYf'FY[]cbž'k Ug'Ui Z'X]Y Bchk YbX][_Y]h'\]bk Y]ghz'X]Y'J Yf_Y\fgg]WkYf\Y]hini 'Yf\Ò\Yb" 6YfbX'Dc\`gWkfòXYf'j cb'XYf'@Y]hghY``Y'XYf'Dc`]nY]'6cf_Yb'Yf_`ÀfhYž XUgg'X]Y'[YbUi Y'I bZU``i fgUWkY'bcWk'Yfa]hhY`h'k]fX"'9g'g]bX a Ò[`]WkYfk Y]gY'9fa]hh`i b[Yb'ni f'; YgWkk]bX][_Y]h'XYf VYhY]`][hYb': U\fnYi [Y'i bX'XYa 'JYf\U`hYb'XYf': U\fYf YfZcfXYf`]Wk"

8]Y'Dc`]nY]'\Uhi a [Y\YbX'fYU[]Yfhž']bXYa 'g]Y'gW\bY``j cf'Cfh'k Uf i bX'A U» bU\a Yb'Yf[f]ZZYb'\Uhž'i a 'g]W\Yfni ghY``Ybž'XUgg'X]Y J Yf`YhnhYb'gc'gW\bY``'k]Y'a Ò[`]W\'j Yfgcf[h'k YfXYb" Bchfi Zbi a a Yfb'i bX'5b`Ui ZghY``Yb'ZØf'5bk c\bYf'i bX'NYi [Yb k i fXYb'VYfY]h[YghY``hž'i a 'Y]bY'`ØW_Yb`cgY'?ca a i b]_Uh]cb g]W\Yfni ghY``Yb"

 $8 \ Yf \ Uf \ h][\ Y' \ I \ b \ ZA``Y' \ g] \ b \ X' \ b] \ WX \ h' \ bi \ f' \ VY` \ Ug \ hY \ b \ X' \ ZØ \ f' \ X] \ Y' \ X] \ Y' \ A \ Yf \ Yf \ Yf \ Yf' \$

- 5_hi Y``Y`G]hi Uh]cb. I bZU```a]h'DYfgcbYbgW\UXYb
- $\bullet \ \ J\ Yf_Y\setminus fgVYY]b\ hf\`{A}W\lambda\ h][\ i\ b[\ Yb.\ `GhfU"\ Y']\ c\ ```[\ YgdYffh]$
- 6YfY]hghY``i b['j cb'Bch\Y]hgX]YbghYb.'Dc`]nY]'i bX
 FYhhi b[gX]YbghY'U_h]j 'j cf'Cfh

8]Y'6Yj Ò`_Yfi b[']gh'Ui Z[Yfi ZYbž'j cfg]Wkh]['ni 'gY]b'i bX'X]Y
I a `Y]hi b[g\]bk Y]gY'ni 'VYUWkhYbž'V]g'X]Y'G]hi Uh]cb'k]YXYf
bcfa U`]g]Yfh']gh"'8]Y'Dc`]nY]'k]fX'k Y]hYf\]b'\(\dagger Zcfa Uh]cbYb'\(\Omega\)VYf
XYb'J Yf`Ui Z'XYf'9fa]hh`i b[Yb'VYfY]hghY``Ybž'i a 'X]Y'^2 ZZYbh`]Wk_Y]h
Ui Z'XYa '@Ui ZYbXYb'ni '\U`hYb"

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