

A H6!?]XgWUa d 58J5B798. '≯hnh'[Y\h g UV 'Ui Z'X]Y 'HfU]`g 'ZØf' 'i b[Y '6]_Yf°

9f`YVYb'G]Y']a 'A H6!?]XgWUa d'58J5B798']b'?cV`Ybn gdUbbYbXY'HfU]`g'i bX'j Yfh]YZYb'G]Y' \Rightarrow fY': U\fhYW\b]_'a]h GdU» 'i bX'Gd]Y`°

5V % \$ & ('[Y\h'Yg'ZØf' '\h' b [Y'A ci bhU]bV]_Y!: Ubg']b'X]Y'bÀW\ghY Fi bXY. '8 Ug'A H6!?]XgWUa d'58 J 5 B 7 98 'j Yfgdf]W\h'UWh]cbfY]W\XY HfU]`g'i bX'gdUbbYbXY' < YfUi gZcfXYfi b [Yb "BUW\XYa 'X]Y'6Ug]W\g]a 'j cf\Yf][Yb'?i fg'[Y`Y[h'k i fXYbž'_ObbYb'X]Y'?]Xg'Yhnh']\f? ObbYb']b'Ubgdfi W\gj c``YfYa '; Y`AbXY'i bhYf'6Yk Y]g'ghY``Yb'' ; Yd`Ubh'g]bX'Ui ZfY[YbXY': `ck f]XYg'i bX'XUg'9f`YfbYb Zcfh[YgW\f]hhYbYf'HYW\b]_Yb'k]Y'6i bbm\cdž'5b\YVYb'XYg J cfXYffUXg'i bX'XUg'6Yk À`h][Yb'ghY]`YfYf'5VZU\fhYb''

8Yf: c_i g``]Y[hXUVY]`Ui Z`GdU» i bX`YZZY_h]j Yf`, Vi b[ži a `X]Y
VYfY]hg`Yf`YfbhYb; fi bX`U[Yb`ni 'j Yfh]YZYb`i bX`bYi Y`: Yfh][_Y]hYb
ni `Ybhk]W_Y`b" \dirac XYb`HU[YgWUa dg`k]fX`]bX]j]Xi Y```Ui Z`X]Y
6YXØfZb]ggY`XYf`HY]`bY\a Yf`Y]b[Y[Ub[Ybž`gcXUgg`YXYf`gY]b
HYa dc`i bX`gY]bY`: À\][_Y]hYb`]a `Y][YbYb`Gh]``\YfUi gZcfXYfb
_Ubb"`8]Y`BUhi f`k]fX`ni a `Gd]Y`d`Uhnž`k c`X]Y`'I b[Yb`: U\fYf
[UfUbh]Yfh`A Y]ghYfgWXUZh`i bX`G]WXYf\Y]h`]a `I a [Ub[`a]h`]\fYa
6]_Y`Yf`Ub[Yb``K Y]hYfY`\dirac Zcfa Uh]cbYb`ni `X]YgYa `gdUbbYbXYb
5b[YVchZ]bXYb`g]WX`Ui Z`k k k "a hV!bYk g"XY"

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