

6fi hU`Yf', VYfZU```]b'DfYbn`Ui Yf'6Yf[. i [YbX`]WXY'Ui g[YfUi Vhž'[YgWX`U[Yb'i bX VYd]b_Y`h



Nk Y]' is [YbX`]W\Y'k i fXYb']b'XYf'BUW\h'ni a 'GcbbhU[']b DfYbn`Ui Yf'6Yf['CdZYf'Y]bYg'FUi VØVYfZU``g'i bX'k i fXYb 5`g`Y]bYf`XYf`\$ [YbX`]WXYb`X]Y`5i ZZcfXYfi b[`UV`Y\bhY`i bX`a]h
gY]bYb`6Y[`Y]hYfb`XUj cb[]b[ž`Zc`[hY`]\a `X]Y`; fi ddY`i bX`[f]ZZ
XYb`%)!`i bX`Y]bYb`XYf`%*!\$\A\f][Yb`Ub"`8Ya ``Øb[YfYb
\$\forall [YbX`]WXYb`k i fXY`Xi fWX`: Ui ghgWX`A[Y`XYf`6cXYb`i bhYf`XYb
: Ø*Yb`k Y[[Ync[Ybž`UbgWX`]Y*YbX`k i fXY`Yf`a Y\fZUWX`[Y[Yb`XYb
CVYf_OfdYf`i bX`XYb`?cdZ`[YhfYhYb"`Ni XYa `k i fXYb`]\a `gY]bY
K Yfh[Y[YbghAbXY`UV[Ybca a Yb"

8]Y'Dc`]nY]'_cbbhY'gdÀhYf'nk Y]'HUhj YfXÀW\h][Y']a '5`hYf'j cb'%* i bX'%+ '\lambda\text{Y}b'ZYghbY\a Yb"'6Y]a '\A`hYfYb'HUhj YfX\AW\h][Yb k i fXYb'6`i hgdi fYb'Ub'gY]bYa 'GW\i\'i bX'gY]bYf'\lambda\text{W_Y}
ZYgh[YghY``h"'8]Y'?`Y]Xi b['XYf'\rangle [YbX`]W\Yb'k i fXY'U`g
6Yk Y]ga]hhY``g]W\Yf[YghY``h"'6Y]XY'HUhj YfX\AW\h][Y'k i fXYb UbgW\`]Y\rangle YbX']\fyb'9fn]Y\i b[gVYfYW\h][hYb'\ØVYf[YVYb"

8]Y'H\Ya Yb'X]YgYg'JcfZU``g'g]bX.'6Yf`]bYf'Dc`]nY]ž'¾[YbX`]W\Yž DfYbn`Ui Yf'6Yf['i bX'FUi V"

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!VYf`]b "bYh