

### F]g]\_cgd]Y`']b'JY`VYfh.'KiddYfhU`Yf'GJ ibX'hØf\_]gW\Y': Ubg']a': c\_ig

HØf\_gdcf'8cfha i bX'i bX'K i ddYfhU`Yf'GJ 'hfYZZYb']b'Y]bYa
F ]g]\_cgd]Y``Ui ZY]bUbXYf"'DYfgcbU`]g]YfhY'H]W\_Yhg'i bX
\_fi a a Y'DfY]gY'gcf[ Yb'ZØf'JYfk ]ffi b[ "

## 9fghYf'5i Zhf]hh'j cb'HØf\_gdcf'8cfha i bX']b XYf'FY[]cbU``][U.'9]b'6`]W\_'Ui Z'X]Y <YfUi gZcfXYfi b[Yb

 $8 \ Ug'YfghY'Gd]Y''j \ cb'HØf\_gdcf'8cfha \ ibX']b'XYf'FY[]cbU''][U']gh ZØf'XYb'JYfY]b'Y]bY'Ui ZfY[YbXYž'UVYf'Ui WX'Ubgdfi WXgj c''Y < YfUi gZcfXYfi b["'8 Ug'8 i Y'''[Y[Yb'XYb'K iddYfhU'Yf'GJ ž'Y]bYb Y\Ya U'][Yb'6 ibXYg'][]ghYbž'k]fZh']a 'JcfZY'X'Y]b][Y': fU[Yb'Ui Zž]bgVYgcbXYfY']a '<]bV']W_'Ui Z'X]Y'G]WXYf\Y]h'i bX'X]Y'JcfVYfY]hi b[Ui Z'Y]bYb'dchYbh]Y''Yb'Ni gWXUi YfUbghi fa "'8]Y' $\rightarrow A G'5fYbU']b JY'VYfh'k]fX'XYf'5 i ghfU[ib[gcfh'ZØf'X]YgYg'k]WXh][Y'9fY][b]g gY]bž'k \(\lambda\rangle fYbX'XYf'JYfY]bgi a ni [']bg' $\rightarrow gWX'UbXghUX]cb']b' < U[Yb Yfgh']a '< YfVgh'VYj cfghY\h''$ 

# F]g]\_cY]bgW\Ahni b['Ui Z[fi bX'XYf': Ub!G]hi Uh]cb

8]Y'Dc`]nY]'XYf'?fY]gdc`]nY]VY\ÒfXY'A Yhha Ubb'\Uh']b
Ni gUa a YbUfVY]h'a ]h'XYb'VYhY]`][ hYb'J YfY]bYb'i bX'XYf'GhUXh
J Y`VYfh'Y]bY'F]g]\_cY]bgW\Ahni b['j cf[Ybca a Yb"'8]YgY'VUg]Yfh
Ui Z'XYf'U\_h]j Yb': UbgnYbY'XYg'K i ddYfhU`Yf'GJ'i bX'XYb
Yfk UfhYhYb'Ni gW\Ui YfnU\`Yb'VY]XYf': Ub[fi ddYb"
G]W\Yf\Y]hga U»bU\a Yb'gc``Yb'XUZØf'gcf[Ybž'XUgg'Y]bY
j c``gh\AbX][Y'HfYbbi b['XYf'VY]XYb'@U[Yf'[Yk \A\f`Y]ghYh'k]fXž'i a

#### 8 | Y < YfUi qZcfXYfi b [ 'VY] H | W Yh Yf Ai ZYb

9]b VYgcbXYfYg 5i [Yba Yf\_[]`h XYb H]W\_Yh JYf\_Ài ZYbž X]Y Y]b][Y : Ubg j cf < Yf Ui g Zcf XYfi b [Yb ghY `Yb "J]Y Y K GJ ! 5b \ Àb [Yf g]b X a ]h XYb b Yi Yb d Yfgcb U `]g]Yfh Yb H]W\_Yhg i bni Zf]Y XYbž X]Y Y]b Y gd Yn]Z]g W Y `Ni cf Xbi b [ `XYf `Ni g W Ui Yf `ni `XYb `G]hnd `Ahn Yb Yf Zcf XYfb "8]Yg `gc ``Y]b Y J Yfa ]g W i b [ `VY]XYf : Ub [fi dd Yb j Yf \]b XYfb i b X `]gh Y]b `g Ybg]V `Yg `H \ Ya U i bh Yf `XYb : Ubg " 8]Y Dc `]n Y] `Yf\_` Àfh Ž X Ugg `X]Y `A U » b U \a Yb `XYf `DYf gcb U `]g]Yfi b [bchk Yb X][ `g]b X Ž i a `Y]b Y g] W Yf Yi b X [Ycf Xb YhY 5b\_i b Zh XYf Ni g W Ui Yf `ni `Yfa Ò[`] W Yb "

#### DfY]gY i bX J Yfk ]ffi b[ VY] XYb H]W\_Yh\_cghYb

Ni gàhn`]W\ 'ni 'XYb'dYfgcbU`]g]YfhYb'H]W\_Yhg'\UVYb'Ui W\ 'X]Y
i b[Yk Ò\b`]W\Yb'H]W\_YhdfY]gY'ZØf'5i ZgY\Yb'[Ygcf[h''8Yf'Cb`]bY!
G\cd'j cb'HØf\_gdcf'j Yfk ]ffhY'Y]b][Y': Ubg'a ]h'DfY]gYb'k ]Y'%%\overline{\ove

#### 9fk Ufhi b[Yb Ub XYb Ni gW Ui Yfni gdfi W

8]Y'JcfZfYi XY'Ui Z'XUg'Gd]Y``]gh'VY]'XYb'5b\Àb[Yfb'VY]XYf'GY]hYb
[fc»"'5\_gcmfYW\bYh'a]h'Y]bYf'\c\Yb'5bnU\``j cb'K GJ!: Ubgž'X]Y
V]g'ni '%"&\$\$'DYfgcbYb'VYhfU[Yb'\_ObbhY"'8]Y'[YgUa hY
; Y[Yb[YfUXY']b'JY`VYfh'ghY\h'ZØf'X]Y'; ÀghY'ni f'JYfZØ[i b[ž'k Ug
ni gÀhn`]W\'X]Y'JcfVYfY]hi b[Yb'i bX'G]W\Yf\Y]hgØVYf`Y[i b[Yb'XYf
Dc`]nY]'VYY]bZi ggh"

#### : Un]h. '9]b 'gd Ub b Y b X Y f '5 i ZhU\_h ']b 'X Y f

#### FY[]cbU``][U

8 UgʻVYj cfghY\YbXYʻGd]Y`nk ]gW\YbʻHØf\_gdcf'8 cfha i bXʻi bX
K i ddYfhU`YfʻGJʻk ]fXʻY]bʻVYXYi hYbXYfʻHYghʻZØfʻXYb
Ui ZghfYVYbXYbʻJYfY]bʻUi gʻ8 cfha i bXʻgY]bʻʻHfchnʻXYf
<YfUi gZcfXYfi b[Ybʻa]hʻG]W\Yf\Y]hgj cf\_Y\fi b[Ybʻi bX
H]W\_Yhj Yf\_Ài ZYbʻnY][hʻg]W\XYfʻJYfY]bʻcdh]a ]gh]gW\ʻi bX`VYfY]hʻZØf
XUgʻYfghYʻ? Ud]hY``]bʻXYfʻFY[]cbU``][U''8Yfʻ6`]W\_ʻf]W\hYhʻg]W\ʻb]W\h
bi fʻUi ZʻXUgʻgdcfh`]W\Yʻ; YgW\Y\YbžʻgcbXYfbʻUi W\ʻUi ZʻX]Y
6YXYi hi b[ž'X]YʻX]YgYʻJYfUbghU`hi b[ʻZØfʻX]Yʻ; Ya Y]bgW\UZhii bX
X]Yʻ: Ubgʻ\Uh''

B5;

8 YhU]`g

6Ygi WXYb G]Y i bg Ui Z b!U[ "XY