

G7 @Ub[bUi H][Yfg. HfUX]h]cb hf]ZZh Ui Z HU`YbhY]a bYi Yb 7Ua di g

8 Yf G7@H][Yfg hYghYb]\fY A UbbgWk UZh j cf XYa bYi Yb 7 Ua dig [Y[Yb 5X Yf A Ubb\Y]a 'Y]b k]Wk h][Yf GWk f]hh ni f B UWk k i Wk gZÒfXYfi b["

8]Y 'gdcfh']W Y '9bhk]W_i b['XYg'G7@]gh'[Yk]ggYb'GW k Ub_i b[Yb i bhYfk cfZYb"'+b'XYb'YhnhYb'\lambda\lambda\fYb'Xi fW \cdot']Y Z'X]Y 'HfU]bYfVUb_
j YfgW]YXYbY'VY_UbbhY'; Yg]W hYf"'Dfca]bYbhY'B Ua Yb'k]Y'\lambda_cV
?O``]_Yfz'6Yb[h!5_Y'; i ghUZggcb'i bX'6Ybc]h'@UdcfhY'\UhhYb'XUg
GU[Yb"'5_hi Y````Y]hYh'H\]Yffm'DUhYf`]b]'XUg'HYUa 'i bX'[Y\h'bi b']b
gY]bY'Xf]hhY'GU]gcb"'8]Y'Hcf\ØhYfdcg]h]cb'gW Y]bh'ghUV]`ni 'gY]bz'
XYbb'@i WU'6c`hg\Ui gYf'i bX'Gh\d\UbY'7\Uf`]b'V]`XYb'k Y]hYf\]b
Y]b'Ui g[Y[`]W YbYg'8i c"'\db'XYf'5Vk Y\f'\Uh'7`Ui X]c'7UXcbUi z'XYf
Yfgh'j cf'_i fnYa 'GYVUgh]Ub'GW]`h']b'F]W hi b['Y]bYg'UbXYfYb
7`i Vg'Zc`[hYz'Y]bY'nYbhfU`Y'Fc``Y'ØVYfbca a Yb"'7UXcbUi 'Vf]b[h
k Yfhj c``Y'9fZU\fi b['bUW '@Ub[bUi z'XU'Yf'VYfY]hg'nk]gW Yb'\&\%+
i bX'\&\\$\sigma_1a'G7@Hf]_ch'U_h]j'k Uf"

BYiY'HU`YbhY'ibX'VYk À\fhY'?fÀ7hY

#D'XYf'J YfhY]X][ib['_Ubb'@Ub[bUi'Ui Z'D\]`'6U`h]gVYf[Yfni fØW_[fY]ZYb"'A]h'XfY]'bUh]cbU`Yb'AY]ghYfh]hY`b'Ui Z'XYa'?cbhc]gh'XYf'&,!'À\f][Y'6U`h]gVYf[Yf'Y]b'YfZU\fYbYf'Gd]Y`Yf"'5i Z'XYfUbXYfYb'GY]hY'ghY\h'6f]Ub'NUbYhh]ž'XYf']a'5`hYf'j cb'&%'*J\fYbYfgh']b'gY]bYf'nkY]hYb'DfcZ]gU]gcb'ghY\h'i bX'ni j cf'j cb'XYbD\]`UXY`d\]U': `mYfg'[YXfUZhYh'ki fXY"'I a']\fY'8YZYbg]j Y'kY]hYf'nighÀf_Ybž'VY\]Y`h'XUg'HYUa'X]Y'Z]bb]gWXYb'Gd]Y`Yf'*i gc'F]]_c`UibX'J]`]'GUUf]'Àfj]"'6Y]XY'A]h[`]YXYf'XYg'5VkY\fV`cW_g'[Y\ÔfhYb]b'XYf'jYf[Ub[YbYb'GU]qcb'ni'XYb'VYqhYb'GWcfYfb'XYf'H][Yfg"

 $= 3.5b[f]ZZ^{\prime\prime}]gh^{\prime\prime}]bY^{\prime\prime}Z]bb]gW^{\prime\prime}CZY^{\prime\prime}bg]jY^{\prime\prime}ni^{\prime\prime}VY^{\prime\prime}CVUW^{\prime\prime}hY^{\prime\prime}b.^{\prime\prime}GU_{i}$ A ÅY bU^UbY bZ^{\prime\prime}CUff]^DY gc bY b^{\prime\prime}ibX^{\prime\prime}5^{\prime\prime}Y_g]^GUUfY^\U^{\prime\prime}g]bX^{\prime\prime}X]Y^{\prime\prime}_fY^{\prime\prime}h]jY^{\prime\prime}b ? $OdZ^{\prime\prime}Z^{\prime\prime}k$ $cVY]^{\prime\prime}GUUfY^{\prime\prime}U^{\prime\prime}g^{\prime\prime}bhY^{\prime\prime}fbY^{\prime\prime}hCdgW^{\prime\prime}cfY^{\prime\prime}a]h^{\prime\prime}(%^{\prime\prime}Dib_hY^{\prime\prime}b)$ [`Åb nhY" 'I bhY fghØhnh^{'k} YfXY^{b}^{\prime\prime}g]Y^{\prime\prime}j cb^{\prime\prime}s^{\prime\prime}]Ub^{\prime\prime}GW^{\prime\prime}aihnZ^{\prime\prime}Y^{\prime\prime}b^{\prime\prime}g^{\prime\prime}hY^{\prime\prime}Z^{\prime\prime}g^{\prime\prime}hY^{\prime\prime}g^{\prime\prime}g^{\prime\prime}hY^{\prime\prime}g^{\prime\prime}g^{\prime\prime}hY^{\prime\prime}g^{\prime\prime}g^{\prime\prime}hY^{\prime\prime}g^{\prime\prime}g^{\prime\prime}hY^{\prime\prime}g^{\prime\prime}g^{\prime\prime}g^{\prime\prime}hY^{\prime\prime}g^{\prime

8 Yf b Yi Y 7 Ua di g]b @Ub[bUi

9]b'k Y]hYfYf'k]W\h][Yf'GW\f]hh']b'F]W\hi b['Ni _i bZh']gh'X]Y
9fÒZZbi b['XYg'bYi Yb'7 Ua di g']b'@Ub[bUi ž'XYf'a]h'Y]bYa
HYghgd]Y`'[Y[Yb'X]Y'5X`Yf'A Ubb\Y]a 'Y]b[Yk Y]\hik i fXY"'8]YgYg
GdcfhnYbhfi a 'i a ZUggh'Y]bY'bYi '[YVUi hY'9]gZÀW\Y'gck]Y'Y]bY
a cXYfbY'5h\`Yh]_\U``Y"'9g']gh'Y]b'NY]W\Yb'XYg'9b[U[Ya Ybhg'XYf
H][Yfgž'Ui W\'k Y]hYf\]b'U`g'\YfUi gfU[YbXY'5i gV]`Xi b[gghÀhhY'ZØf
'\b[Yb'<cW_Ymgd]Y`Yf'ni '\Z b[]YfYb"

♣ `XYf``Ui ZYbXYb `HYghgd]Y`d\UgY`\Uh`XUg`HYUa `VYfY]hg

VYa Yf_Ybgk YfhY`9f[YVb]ggY`Yfn]Y`h"`BUW\`j]Yf`HYghdUfh]Yb

_ÒbbYb`X]Y`H][Yfg`Ui Z`G]Y[Y`[Y[Yb`6UgY``f((.' `b"D"Łž'6]Y``f)) . &Łž

FUddYfgk]``fl . &`b"D"Ł'i bX`8Uj cg`f((.&Ł'ni fØW_V`]W_Yb"`8]YgY

 $9f[\ YVb]ggY ``UggYb `X]Y `5b \ \&b[\ Yf`XYf`H][\ Yfg` \ cZZYb ž`XUgg`Y]bY \\ YfZc`[\ fY]WX Y `GU]gcb `VYj \ cfghY \ hž`X]Y `Yj Ybhi Y```Ui WX`]b `XYb \\ D`Umc ZZg`Yb XYb `_ObbhY"$

8 Y hU]`c

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