

=bhY[fUh]cb'XifWX'=XYbh]hAh.'5`dYf'8c[Ub U`g'JcfV]`X']b'6Yf[YXcfZ

5`dYf'8c[Ubž'Y]bgh'X]g_f]a]b]Yfhž'k]fX'ni a 'A chcf YfZc`[fY]WXYf'+bhY[fUh]cb']b'6Yf[YXcfZ"'GY]b'9b[U[YaYbh nY][hž'k]Y'kYfhjc``'J]Y`ZU`h'ZØf'X]Y';YgY``gWXUZh']gh"

<Ua Vi f["'5`dYf'8c[Ub']gh'Y]b'; Yg]Wkh'XYf' \$\times hY[fUh]cb']b
6Yf[YXcfZ''A]h'bi f'%* \$\times \lambda\fYb'] Yf']Y\rightarrow \text{Yf'X]Y'HØf_Y]'i bX'ZUbX'g]Wk
]b'8Yi hgWk`UbX'k]YXYfž'k c'Yf'b]Wkh'bi f'XUg'; `\@W_ž'gcbXYfb'Ui Wk
8]g_f]a]b]Yfi b['i bX'5i g[fYbni b['Yf'YVhY"'8YbbcWk'\Uh'Yf'Yg
b]Wkh'bi f'[YgWkUZZhž'g]Wk']b'gY]bY'bYi Y'<Y]a Uh'ni ']bhY[f]YfYbž
gcbXYfb']gh'Ui Wk'ni 'Y]bYa'k]Wkh][Yb'5_hYi f']b'XYf
\$\DELTarrow hY[fUh]cbgUfVY]h'[Yk cfXYb"</pre>

$9]b_i hi fY Yg 9fVY VYk U fYb$

9]b DUfUXYVY]gd]Y`gY]bYg'9b[U[Ya Ybhg']gh'XUg'&\$\$, '[Y[fØbXYhY?i`hi fnYbhfi a '65? A ']b'6Yf[YXcfZž'XUg'Yf'a]h'; `Y]WX[Yg]bbhYb]bg'@YVYb'f]YZ''8c[Ubž'XYf'V]g'&\$&&'Jcfg]hnYbXYf'k Ufž'gYhnh'g]WX\]Yf'j]Y`gY]h]['ZØf'X]Y'6Y`Ub[Y'XYf'A][fUbhYb'Y]b'''9f'g]Y\h'X]YY][YbYb'K i fnY`b'i bX'X]Y'6Y]VY\U`hi b['XYf'_i `hi fY``Yb'=XYbh]hÀh

U`g`YggYbn]Y```ZØf`Y]bY`[Y`i b[YbY`±bhY[fUh]cb"'6Y]gd]Y`gk Y]gY
i bhYfghØhnh`XUg`65? A 'j YfgW\]YXYbY`gcn]U`Y`Dfc Y_hYž`k]Y`X]Y
±bhY[fUh]cb'j cb'K U]gYb_]bXYfb'bUW\`XYa '9fXVYVYb']b'XYf'HØf_Y]
]a '₺\\f`&\$&' "'; `Y]W\nY]h]['ZÒfXYfh`XUg`NYbhfi a 'X]Y
: fUi YbVYk Y[i b['i bX`V]YhYh'; YZØW\hYhYb'<]`ZYž`i a '5fVY]h'i bX
5i gV]`Xi b['ni 'Z]bXYb"

: ØfigY]b'9b[U[Ya Ybhik i fXY'5`dYf'8c[Ub'_Øfn`]W\'ZØf'XYb
6Yf[YXcfZYf'6Øf[YfdfY]g'bca]b]Yfhž'XYf'a]h'*\$\$\$'9i fc'Xch]Yfh']gh"
8]YgY'5i gnY]W\bi b['k]fX'j cb'XYf'Ofh`]W\Yb'NY]hi b[']b
Ni gUa a YbUfVY]h'a]h'XYf'6Yf[YXcfZYf'Jc`_gVUb_'j Yf`]Y\Yb"'5a
%*"'C_hcVYf'Z]bXYh'X]Y'DfY]gj Yf`Y]\i b[']a 'FUh\Ui g'ghUhhž'i bX'Y]bY
i bUV\Ab[][Y'\$i fm'k]fX'X]Y'9bhgW\Y]Xi b['ØVYf'XYb'cXYf'X]Y
DfY]ghfA[Yf'hfYZZYb"

8cW. 8c[Ubg'K Y['ni f'+bhY[fUh]cb'k Uf'b]Wkh']a a Yf'`Y]Wkh''
BUWXXYa 'Yf'U`g'* [YbX`]WXYf'bUWX '8Yi hgWX`UbX'_Ua ž'Yf`YVhY'Yfž
k]Y'X]Y'\]Yg][Yb'6Y\ÔfXYb']\b'VYbUWXhY]`][hYb"'Hfchm'gY]bYf
VYghÀbX][Yb'6Ya Ø\i b[Ybž'8Yi hgWX'ni '`YfbYb'i bX'g]WX'ni
]bhY[f]YfYbž'Yf\]Y`h'Yf''U\fY`Ub['_Y]bY'5fVY]hg[YbY\a][i b[ž'k Ug]\b'ni a ']``Y[U`Yb'5fVY]hYb'nk Ub["'8]YgY'9fZU\fi b['dfÀ[hY']\b'i bX'a ch]j]YfhY']\b'XUni ž'gY`Vgh'U_h]j 'ni 'k YfXYb"

⇒W. `\ÀhhY `b]Y `[YXUW\ hž`XUgg`X]Y `5 fVY]h`]a `J Z@`@c\VfØ[[Y`a]f`gc j]Y`Y`HØfYb`ÒZZbYb`k ØfXY"'<]Yf`ZUbX`]W\ `?cbhU_hYž`X]Y`a]f`\U`ZYbž Y]bY`bYi Y`<Y]a Uh`ni `Z]bXYb ž`fYZY_h]Yfh`8 c[Ub`i bX`gdf]W\ h'j cb XYf`NY]hž`U`g`Yf`U`g`?]bXYf!`i bX`≯ [YbXhfU]bYf`]a `J YfY]b`hÀh][k i fXY"'8]YgY`DfUl]g`YVbYhY`]\a `XYb`K Y[`ni `: fYi bXgW\UZhYb`a]h XYi hgW\Yb`: Ua]`]Ybž`X]Y`V]g`\Yi hY`VYghY\Yb"

JcfgY]bYf +bhY[fUh]cb ``]hh'8c[Ub'i bhYf'8]g_f]a]b]Yfi b['i bX 5i g[fYbni b["8Yf"; YXUb_Yž"]b XYf'bYi Yb'< Y]a Uh'YbX`]WX U_nYdh]Yfh'ni 'k YfXYbž'k Uf'ZØf']\b'Y]bY'hfY]VYbXY'?fUZh"'9f'ZcfXYfh XU\Yf'Ui WX'j cb XYf'XYi hgWXYb'; YgY``gWXUZh'a Y\f'9b[U[Ya Ybh]a 'I a [Ub['a]h'XYb'A][fUbhYb"' 8Yf'5i ghUi gWX'a i gg ghUhhZ]bXYbž'i bX'X]Y'Gcf[Yb'U``Yf'6YhY]`][hYb'gc``hYb'[Y\Òfh k YfXYb ž'Vf]b[h'Yf'Yg'Ui Z'XYb'Di b_h"

Dc`]h]_']a ': c_i g

8c[Ubg'_f]h]gWXY'6YhfUWXhi b['[]'h'b]WXh'bi f'XYf

\[DY \[fUh]cbgdc']h]_\(\frac{z}'X]Y'Yf'U'g' \[YgWXY]hYfh'Ya dZ]bXYh''5i WX'X]Y

6Yf \[YXcfZYf'dc']h]gWXYb'5_hYi fY'a U\bh'Yfz'XYb'8]U'c \['a]h'XYf

hØf_]gWXYb'; Ya Y]bXY'ni 'gi WXYb'' K Ufi a '[]Vh'Yg'_Y]bY

6Øf \[YfVØfcg']b'GhUXhhY]'Yb'a]h'\c\Yf'A] \[fUbhYbei chY3'8]Y

Dc']h]_Yf'n]Y\Yb'Yg'j cfz'g]WX'Ui Z'XYb'K cWXYba Af_hYb'ni 'nY] \[Ybz'\UbghUhh'Xcfh\]b'ni '[Y\Ybz'k c'g]WX'X]Y'A YbgWXYb']b']\fYf': fY]nY]h

hUhgAWX']WX'Ui Z\U'hYb z'_f]h]g]Yfh'Yf''

Ni gUa a YbZUggYbX``Àggh'g]W\`gU[Ybž'XUgg'5`dYf'8c[Ub'b]W\h'bi f j cb'gY]bYf'Y][YbYb'; YgW\]W\hY'[YdfÀ[h']ghž'gcbXYfb'Ui W\`gY]bYb A]ha YbgW\Yb'\Y`ZYb'a ÒW\hY'''GY]bY'DYfgdY_h]j Y'Ui Z'X]Y'bcW\VYghY\YbXYb'<]bXYfb]ggY'XYf'\DhY[fUh]cb']gh'cZZYb'i bX'Y\f`]W\žibX'Yf'gi W\h'ghYhg'bUW\'K Y[Ybž'k]Y'VY]XY'GY]hYb'Ui ZY]bUbXYfni [Y\Yb'_ObbYb'''\D\X'a OW\hYž'XUgg'Ui W\'UbXYfY'X]Y'7\UbW\\UVYbž'g]W\'gc'ni']bhY[f]YfYbž'k]Y']W\'Yg'Xi fZhY\Z'Yf_`Àfh'Yf'''

8 YhU]`g

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