9i fcdÀ]gWXY'AcV]`]hÀhgkcWXY'&\$&).'Gh" =b[VYfh'gYhnh'UiZ'=b_`ig]cb°

Gh" ⇒ [VYfh ZY]Yfh X]Y 9i fcdÀ]gWXY A cV]`]hÀhgk cWXY j ca '%* "V]g '&&" GYdhYa VYf '&\$&) 'a]h j]Y `ZÀ`h][Yb 'J YfUbghU`hi b[Yb ni f 'bUWX \ U`h][Yb 'A cV]`]hÀh"



Gh" = b[VYfhž:8Yi hgW `UbX'! Gh" = b[VYfh'k]fX']a * J\f'&\$&)
YfbYi h; Ugh[YVYf'XYf'9i fcdÀ]gW\Yb'AcV]`]hÀhgk cW\Y'f9A K Ł'gY]bž
Y]bYf']bhYfbUh]cbU`Yb'? Ua dU[bY'XYf'9I!? ca a]gg]cbž'X]Y'gY]h
&\$\$&'bUW\\U`h][Y'AcV]`]hÀh']b'Yi fcdÀ]gW\Yb'? ca a i bYb'ZÒfXYfh"
8]Y'AcV]`]hÀhgk cW\Y'Z]bXYh']b'X]YgYa * J\f'j ca *%* "'V]g'&&"
GYdhYa VYf'ghUhh'i bX'k]fX'Ua * %&"'GYdhYa VYf'a]h'Y]bYf
:]`a j cfZØ\fi b[']b'XYf'?]bck Yf_ghUhh'YfÒZZbYhž'k]Y'gh!]b[VYfh"XY
a]hhY]`h" 8]Y'GhUXh'\Uh'VYfY]hg'j]Yfa U`'Ub'X]YgYf'VYXYi hYbXYb
J YfUbghU`hi b['hY]`[Ybca a Yb"

8]Y'9AK'\Uh'&\$&) 'XUg'\J\fYgh\YaU' AcV]`]hÀh'ZØf'U``Y "'N]Y`
X]YgYf'\Djh]Uh]j Y']gh'Ygž'X]Y'5i Za Yf_gUa _Y]h'Ui Z'X]Y
AcV]`]hÀhgVYXØfZb]ggY'U``Yf'AYbgW\Yb'ni '`Yb_Ybž']bgVYgcbXYfY

\]bg]W\h`]W\6Uff]YfYZfY]\Y]hž\=b_`ig]cbiibX'bUW\\U`h][Yf`AcV]`]hÀh" \DX]YgYa '?cbhYlh`k]fX'UiW\XYf`Ni[Ub[iniiakY`hZfYibX`]W\Yb JYf_Y\fga]hhY`b'U`g'YbhgW\Y]XYbX'ZØf'X]Y'9ffY]W\ib[XYf ?`]aUn]Y`Y'\Yfjcf[Y\cVYbž'VYf]W\hYh`acV]`]hUYhgkcW\Y"Uh"

JYfUbghU`hi b[Yb']b'Gh"'=b[VYfh

 $8]Y'Jc_g\cWkgWki Y'fJ < GŁV]hhYhii a 'Y]bY'JcfUba Y'Xi b['ZØf'X]Y : Ø\fi b[Yb'Xi fWk'XUg'?YhhYfk Yf_ž'XU'X]Y'HY]'bY\a YfnU\`VY[fYbnh']gh'' <math>\Rightarrow$ hYfYgg]YfhY'_ObbYb'k Y]hYfY' \Rightarrow Zcfa Uh]cbYb'Ui Z'XYf \Rightarrow hYfbYhgY]hY'XYf'J < G'i bhYf'k k k "j\g!][V"XY'Yf\U'hYb'''?cbhU_h ZØf'FØW_ZfU[Yb']gh': fUb_'9\fa UbhfUi hj cb'XYf'6]cgd\AfYb!J < G Gh'' \Rightarrow [VYfhž'YffY]WkVUf'i bhYf'XYf'HY'YZcbbi a a Yf'\$*, - (#%' '+&* cXYf'dYf'9!A U]''Ub'j \g4 gh!]b[VYfh"XY''

: c_i g'Ui Z'6Uff]YfYZfY]\Y]h'i bX'gcn]U`Y
; YfYWXh][_Y]h

8 UgʻIJ\fYgh\Ya Uʻ A cV]`]hÀhʻZØfʻU``Y ʻVYhcbhʻX]YʻBchk YbX][_Y]hž A cV]`]hÀhʻVUff]YfYZfY]žʻni [Àb[`]WXʻi bXʻg]WXYfʻni ʻ[YghUʻhYb"·8]Yg gWX`]Y» hʻUi WXʻX]Yʻ6YfØW_g]WXh][i b[ʻXYgʻ5`hYfgžʻ; YgWX`YWXhgʻi bX a Ò[`]WXYfʻ_ÒfdYf`]WXYfʻ9]bgWXfÀb_i b[YbʻY]b"ʻK]WXh][Y A U» bU\a Ybʻi a ZUggYbʻVY]gd]Yʻgk Y]gYʻVfY]hYʻK Y[YʻZØf?]bXYfk U[Ybʻi bXʻFc``ghØ\`YžʻhU_h]`Yʻ@Y]hgmghYa Yʻgck]Y j YfghÀbX`]WXYʻ6YgWX]`XYfi b[Ybʻi bXʻ5VgYb_i b[YbʻXYf6cfXghY]b_UbhYb"

9]b 'k Y]hYfYf'nYbhfU`Yf'5gdY_h']gh'X]Y'9fgW\k]b[`]W_Y]h bUW\\U`h][Yf'A cV]`]h\Ah"'JYf[Øbgh][hY'HUf]ZY'i bX'Gcn]U`h]_Yhg _\ObbYb'\\Y`ZYb\Z'XYb'Ni [Ub['ni '\OZZYbh`]W\Yb'JYf_Y\fga]hhY`b'ni Yf\\O\Yb\Z'\k\A\fYbX'\\&\h]_Yhg'j cb'5fVY]h[YVYfb'X]Y'\OZZYbh`]W\Y 5bfY]gY'Z\OfXYfb'_\ObbYb'': `YI]V]`]h\Ah'i bX'5bgW\`i gga \O[`]W_Y]hYb]a '\OZZYbh`]W\Yb'JYf_Y\f'g]bX'YVYbZU``g'YbhgW\Y]XYbX\Z]bgVYgcbXYfY']b'`\AbX`]W\Yb'FY[]cbYb''

5VgWX`]Y» YbX``Àggh'g]WX`gU[Ybž'XUgg'X]Y`9ifcdÀ]gWXY

A cV]`]hÀhgk cWXY`]b`Gh"' \(\delta\) [VYfh'b]WXh'bif'nU\`fY]WXY

J YfUbghU`hi b[Yb`V]YhYhž'gcbXYfb`Ui WX`Y]bYb`k]WXh][Yb`FU\aYb
gWXUZZhž'i a 'ØVYf'ni_i bZhgZÀ\][Y'i bX`[YfYWXhY

A cV]`]hÀhg`Ògi b[Yb`bUWXni XYb_Yb"'8]Y`9]bVYn]Y\i b['XYf
6Yj Ò`_Yfi b[']b`X]Y`D`Ubi b['i bX`I a gYhni b['bYi Yf'?cbnYdhY`k]fX
U`g`VYgcbXYfg`k]WXh]['YfUWXhYhž'i a 'X]Y`i bhYfgWX]YX`]WXYb
6YXØfZb]ggY`U``Yf`6Øf[Yf'ni 'VYfØW_g]WXh][Yb"

8 YhU]`g	
Cfh	Gh":±b[VYfhž:8YihgW\`UbX
EiY``Yb	k k k "gh!]b[VYfh"XY
	k k k "a cV]`]hUYhgk cWXY"Uh

6Ygi WXYb G]Y i bg Ui Z a Y]b!k]Yb bYh