=bgY`b]a 5i ZgWk k i b[. Ni ni ['Vf]b[h Zf]gWk Yb K]bX bUWk 6U`hfi a 'i bX 6cf_i a

a a Yf'a Y\f'A YbgW\Yb'n]Y\Yb'Ui Z'X]Y'cghZf]Yg]gW\Yb'±bgY`b" 6cf_i a 'i bX'6U`hfi a 'j YfnY]W\bYb'ghY][YbXY'Ni n∅[Yž'XcW\ K c\bfUi a 'k]fX'_bUdd"

GhUbXXUhia .'-"'5i[igh'&\$&("

6]`X. FUX]c 6fYa Yb

8]Y'cghZf]Yg]gWXYb'\dagY\b'Yf\YVYb'XYfnY]h'Y]bYb'VYa Yf_Ybgk YfhYb XYa c[fUZ]gWXYb'K UbXY\"'K À\fYbX']b'XYb'\YhnhYb'nY\b'\d\fYb'X]Y NU\`XYf'Ni nØ[Y'X]Y'XYf'K Y[nØ[Y'ØVYfghY][hz'k ÀWXgh'XUg \daghYfYggY'Ub'XYb'[fÒ»YfYb'\dgY\b'k]Y'6cf_i a 'XYi h`]WX'ghÀf_Yf U`g'Ub'XYb'_\Y]bYfYbz'k]Y'K Ub[Yfcc[Y"

< YfUi gZcfXYfi b['K c\bfUi a

8]Y'Ub\U`hYbXYb'Ni nØ[Y'ghY``Yb'Y]bY'<YfUi gZcfXYfi b['ZØf'X]Y

\dig gY`[Ya Y]bXYb'XUfž'XU'XYf'j YfZØ[VUfY'K c\bfUi a '_bUdd']gh"

8]Yg'gcf[h'b]W\h'bi f'ZØf'GW\k]Yf][_Y]hYb'VY]'XYf'I bhYfVf]b[i b[bYi Yf'6Yk c\bYfž'gcbXYfb'VYY]bZi ggh'Ui W\X]Y'`c_U`Y'K]fhgW\UZhi bX'X]Y'gcn]U`Y'\dig ZfUghfi _hi f"'6YgcbXYfg'Ui Z'XYb'[fÒ» YfYb'\dig gY`bk]fX'XYf'K c\bfUi a a Ub[Y`ni bY\a YbX'ni f'6Y`Ughi b["

$8]YFc^YbYiYf6YkcVbYf$

 $\pm gY^{0} = f(Y) + f(Y$

g]bX"'8]Y'bYi Y'6Yj Ò`_Yfi b[']gh'YbhgWXY]XYbX'ZØf'X]Y': i b_h]cbYbXYff'\dogY`]bZfUghfi _hi fž'Y]bgWX`]Y»`]WX': Yi Yfk Y\fž'GWXi `Yb'i bXUbXYfYf'ÒZZYbh`]WXYf'9]bf]WXhi b[Yb"' C\bY'bYi Y'; Yg]WXhYf _\ObbYb'k]f'XUg'\dogY``YVYb'b]WXh'Ui ZfYWXhYf\U`hYb ž'VYhcbh C`WXYfq"

; Ya Y]bgWX UZhii bX I bhYfghØhni b[j cf Cfh

I a 'XYb'BYi Ub_Òa a `]b[Yb'XYb'GhUfh'ni 'Yf`Y]W\hYfbž'\UVYb
Y]b][Y'⊕gY`bž'k]Y'BcfXYfbYm'i bX'@Ub[Ycc[ž'⊕gY``chgYb'YhUV`]Yfh"
8]YgY'DYfgcbYb'V]YhYb'I bhYfghØhni b[']b'XYf'; Ya Y]bk YgYbUfVY]h
i bX'Zi b[]YfYb'U`g'5bgdfYW\dUfhbYf'ZØf'Zf]gW\ni [Ync[YbY
6Yk c\bYf"'8]YgY'; Ya Y]bgW\UZhgghfi _hi fYb'g]bX'k YgYbh`]W\ž'i a
X]Y'⊕hY[fUh]cb'ni 'ZÒfXYfb'i bX'Y]b'\Ufa cb]gW\Yg
Ni gUa a Yb`YVYb'ni '[Yk À\f`Y]ghYb"

@Ub[Zf]gh][YDYfgdY_h]jYbZØfX]Y=bgY`b

8]Y`Ni_i bZh`XYf`cghZf]Yg]gW\Yb`\DgY`b`ghY\h`gca]h`]a``NY]W\Yb Y]bYf`6U`UbW\`nk]gW\Yb`XYf`5hhfU_h]j]hÀh`ZØf`BYi Ub_Òa a`]b[Y i bX`XYb`<YfUi gZcfXYfi b[Ybž`X]Y`Y]b`k UW\gYbXYg K c\bfUi a dfcV`Ya`a]h`g]W\`Vf]b[h"

EiY``Yb. Vi hYb'i b'V]bbYb'i bX'XdU"

 $8]YgYg'H\Ya~U']a~Dfc[fUa~a~.$

8 Y hU]`g

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'X]Y!bUWX f]WX hYb "b Yh