

? OfdYf`]WX Y 5i gY]bUbXYfgYhni b['Ui Z 6Ui ghY``Y']b 5U`Yb a]h'J Yf`YhnhYb

5i Z'Y]bYf'6Ui ghY``Y']b'K U]V`]b[Yb'_Ua 'Yg'ni 'Y]bYf
[Yk U`hgUa Yb'5i gY]bUbXYfgYhni b[": ØbZ'DYfgcbYb'k i fXYb
j Yf`Yhnh"'9fa]hh`i b[Yb'`Ui ZYb"

&' "\$+"&\$&(` '%' .(&

Dc`]nY]dfÀg]X]i a '5U`Yb

; Yk U`hgUa Y'5i gY]bUbXYfgYhni b['Ui Z'XYf 6Ui ghY``Y']b'K U]V`]b[Yb

5a '8]YbghU[a cf[Ybž'[Y[Yb'%%) \$'I \fž'k i fXY'X]Y'Dc`]nY]'ni
Y]bYf'[Yk U`hgUa Yb'5i gY]bUbXYfgYhni b['Ui Z'Y]bYf'6Ui ghY``Y'Ua
5`hYb'Dcghd`Uhn']b'K U]V`]b[Yb'[Yfi ZYb'''6Y]'XYf'Ni gUa a Yb_i bZhž
X]Y'ni bÀW\gh']b'Y]bYa '6ØfcWcbhU]bYf'VY[Ubb'i bX'gdÀhYf'Ui Z'X]Y
: U\fVU\b'ØVYf[f]ZZž'k UfYb'gYW\g'6YgW\ÀZh][hY'Y]bYg
I bhYfbY\a Ybg'VYhY]`][h''GW\cW_]YfYbXYfk Y]gY'k i fXY'XUVY]'Ui W\a]h'9]gYbghUb[Yb'[YXfc\hi bX'Ub[Y[f]ZZYbž'k Ug'X]Y'GW\k YfY'XYf?cbZ]_hg]hi Uh]cb'XYi h`]W\a UW\h''

JYf`YhnhYibXdc`]nY]`]WXYAU»bU\aYb

± Zc`[Y'XYf'_ÒfdYf`]W\Yb'5i gY]bUbXYfgYhni b['ki fXYb'ZØbZ
DYfgcbYb'j Yf`Yhnh"G]Y'a i gghYb'i a [Y\YbX']b'i a `]Y[YbXY
?fUb_Yb\Ài gYf'hfUbgdcfh]Yfh'k YfXYbž'k cXi fW\'XUg'5i ga U» 'XYg
J cfZU``g'bcW\'XYi h`]W\Yf'k]fX"'8]Y'Dc`]nY]'k Uf'a]h'a Y\fYfYb
GhfY]ZYbVYgUhni b[Yb'j cf'Cfhž'k À\fYbX'XYf'FYhhi b[gX]Ybgh'a]h
g]YVYb': U\fnYi [Yb'ni f'I bhYfghØhni b['Y]`hY"'8]Y'VYhfcZZYbYb
A]hUfVY]hYf'_ca a Yb'Ui g'XYa '6Ui [Yk YfVYž'k Y`W\Yg']b'XYf

 $FY[\]cb'Y]bY'VYXYi\ hYbXY'Fc``Y'gd]Y`hž'k Ug'j YfXYi h`]WX hž'XUgg gc`WXY'?cbZ]_hY'b]WX h'bi f'X]Y' <math>\Rightarrow$ bX]j]Xi Ybž'gcbXYfb'Ui WX'X]Y VYhf]YV`]WXY'; Ya Y]bgWX UZh'VYhfYZZYb'_ObbYb"

I bhYfgi WXi b[Yb'i bX'6YXYi hi b['XYg JcfZU``g

8]Y '9fa]hhìi b[Yb 'XYf 'Dc`]nY] 'g]bX 'XYfnY]h']a '; Ub[Yži a 'X]Y <]bhYf[fØbXY 'X]YgYf 'hÀh`]WX Yb '5i gY]bUbXYfgYhni b['Ui Zni _`ÀfYb" Gc`WX Y 'J cfZÀ``Y 'k YfZYb': fU[Yb 'ØVYf 'X]Y 'G]WX Yf\Y]h'Ua 5fVY]hgd`Uhn'Ui Zi bX 'YfZcfXYfb'Y]bY '[YbUi YfY '6YhfUWX hi b['XYf ?cbZ]_h`Ògi b[']b 'XYf'6Ui]bXi ghf]Y" '9g'k]fX 'Yfk UfhYhž'XUgg'XUg 9f[YVb]g'XYf'9fa]hhìi b[Yb 'b]WX h'bi f'ni f'5i Z_`Àfi b['XYg gdYn]Z]gWX Yb 'J cfZU``g'VY]hfÀ[hž'gcbXYfb'Ui WX 'k]WX h][Y 9f_Ybbhb]ggY 'ØVYf'a Ò[`]WX Y'dfÀj Ybh]j Y'A U» bU\a Yb'ni f JYfa Y]Xi b['À\b`]WX Yf'9g_U`Uh]cbYb']b 'XYf'Ni _i bZh``]YZYfh"

8 Yf '6`]W_ 'Ui Z'X]Y '; Ya Y]bgW UZh'i bX ni _ØbZh][Y 'A U» bU\a Yb

8]Y J cfZÀ``Y]b K U]V`]b[Yb g]bX Y]b <]bk Y]g XUfUi Zž XUgg; Yk U`h Ua '5fVY]hgd`Uhn Y]b Yfbgh\ UZhYg [YgY``gW\ UZh`]W\ Yg DfcV`Ya XUfghY``h" I bhYfbY\a Yb g]bX 'Ui Z[YZcfXYfhž'b]W\ h'bi f 'ZØf d\mg]gW\ Y `G]W\ Yf\Y]h'ni 'gcf[Ybž'gcbXYfb 'Ui W\ 'Y]bY '?i `hi f XYf?ca a i b]_Uh]cb ii bX '?cbZ]_h`Ogi b['ni 'ZOfXYfb" 8]Y GYbg]V]`]g]Yfi b['ZØf X]YgYg 'H\Ya U'_ObbhY ``Ub[Zf]gh]['ni f J YfVYggYfi b['XYf 5fVY]hgVYX]b[i b[Yb ii bX 'XYg 6Yhf]YVg_`]a Ug]bbYf\U`V'XYf'; Ya Y]bgW\ UZh'VY]hfU[Yb" 8]Y F Y`Yj Ubn'Y]bYg [Yk U`hZfY]Yb I a ZY`Xg _Ubb b]W\ h'[Ybi ['VYhcbh'k YfXYbž]bgVYgcbXYfY]b '6Yfi ZYbž'X]Y a]h'_OfdYf`]W\ Yf '5fVY]h'j YfVi bXYb g]bX"

 $F \varnothing W_ZfU[Yb`V]hhY`Ub.$

Dc`]nY]dfÀg]X]i a '5U`Yb DfYggYghY``Y 6Ò\a Yfk U`XghfU» Y'&\$+ +' (' %'5U`Yb HY`YZcb.'\$+' * %#), \$!%\$* 9!A U]`.'UU`Yb"dd"ghg"cY4 dc`]nY]"Vk `"XY

Cf][]bU`!7cbhYbh'j cb. 'Dc`]nY]dfÀg]X]i a '5U`Ybž'ØVYfa]hhY`h'Xi fW\ bYk g'U_hi Y``

B5;

8 YhU]`g

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