

## K UggYfj YfVfUi W\ ']b'; ]Y » Yb'g]b\_h. 'Gc gdUfh'X]Y'GhUXh'VY]'< ]hnYk Y``Y°</pre>

8 Yf K UggYfj YfVfUi W ]b XYf I b]j Yfg]hÀhgghUXh; ]Y » Yb 'V `Y]Vh \_cbghUbhž k À\fYbX 'X]Y '9]bk c\bYfnU\` 'k Y]hYf 'ghY][ h° 'Hfchn XYf 'gWk k Y] » hfY]VYbXYb 'Gca a Yf\]hnY i bX 'XYf i bYbhVY\f`]W Yb '9fZf]gW i b[ Yb ]b : cfa 'j cb '8 i gW Yb i bX Dcc`g`nY][ h'X]Y 'GhUh]gh]\_ 'gdUbbYbXY '9bhk ]W\_`i b[ Yb''; ]Y » Yb ]gh'Y]bY 'GhUXhž'X]Y 'b]W h'bi f'k ÀW ghž gcbXYfb 'Ui W 'VYk i ggh a ]h']\fYa 'K UggYf'i a [ Y\h''9]bY 'U\_hi Y``Y '5bU`mgY 'XYg FY[ ]Yfi b[ qdfÀq]X]i a q'; ]Y » Yb cZZYbVUfh '=a '

8 Yf K UggYfj YfVfUi WX ]b XYf I b]j Yfg]hÀhgghUXh; ]Y » Yb V`Y]Vh \_cbghUbhžk À\fYbX X]Y 9]bk c\bYfnU\`k Y]hYf ghY][ h Hfchn XYf gWXk Y]» hfY]VYbXYb Gca a Yf\]hnY i bX XYf i bYbhVY\f`]WXYb 9fZf]gWXi b[ Yb ]b: cfa j cb 8 i gWXYb i bX Dcc`g`nY][ h X]Y GhUh]gh]\_ gdUbbYbXY 9bhk ]W\_`i b[ Yb"; ]Y » Yb ]gh'Y]bY GhUXhž X]Y b]WX h bi f k ÀWX ghž gcbXYfb 'Ui WX VYk i ggh'a ]h']\fYa K UggYf i a [ Y\h"

8]Y'K UggYfbi hni b[.'K]Y'j]Y`'Z`]Y» h'ZØf ? ÒfdYfdZ`Y[Y3

 $\label{eq:KuggYf']gh'Y]b'k Yfhj c``Yg'; i hž'i bX'k c'Z]Y*h'Yg'Ua '\Ai Z][ghYb3$ 

8]Y 5bhk cfhi]ghi\_`Uf. 'J cf'U``Ya ']b'X]Y'? ÒfdYfdZY[Y"'=a 8i fWk gWk b]hhij YfVfUi Wk Yb'X]Y'; ]Y» YbYf'fi bX'() '@hYf'hÀ[`]Wk'bi f ZØf'6UXYb'i bX'8i gWk Yb°'=a 'J Yf[ `Y]Wk'XUni 'Zc`[ Yb Hc]`YhhYbgdØ`i b[ Yb'a ]h'' ('@]hYfb"'9]b'\_`Y]bYf'6`]W\_']b'X]Y'NU\`Yb nY][ hž'XUgg'X]Y'? ÒfdYfdZY[ Y'X]Y'i bUb[ YZcWk hYbY'Bi a a Yf'Y]bg']b XYf'K UggYfbi hni b[']gh"

5VYf'b]W\h'bi f'X]Y'GhUXhVYk c\bYf'g]bX'ZØf'X]YgY'NU\`Yb
j YfUbhk cfh`]W\"8]Y'8]g\_fYdUbn'nk ]gW\Yb'XYa 'K UggYfj YfVfUi W\
]b'; ]Y»Yb'i bX'XYb'i a `]Y[YbXYb'; Ya Y]bXYb']gh'Ui Z'X]Y'\c\Yb
DYbX`YfnU\`Yb'ni fØW\_ni ZØ\fYb"'=a a Yf\]b'bi hnYb'Ui W\'j ]Y`Y
A YbgW\Yb'Ui g'XYb'BUW\VUf[Ya Y]bXYb'; ]Y»Ybg
K UggYffYggci fW'bž'k À\fYbX'g]Y'ni f'5fVY]h'dYbXY`b"'K c'ni a
6Y]gd]Y``]b'K YhhYbVYf['bi f'%&'@]hYf'dfc'?cdZ'j YfVfUi W\h
k YfXYbž'a ØggYb'X]Y'; ]Y»YbYf'ni gÀhn`]W\'X]Y'Hc]`YhhY'j cb
Dc\`\Y]a 'a ]hgdØ`Yb°

## K Ufi a 'gWk Ub\_Yb'X]Y'K YfhY3

8]Y'9bhk]W\_`i b['XYg'K UggYfj YfVfUi Wkg']b'; ]Y» Yb'nY][h'Y]b dcg]h]j Yg'6]`X°'GY]h'XYb'%- +\$Yf'\J\\fYb\Z'\U`g'\YXYf'bc\K'\%\\*\\$'\@]hYf dfc'\HU['j YfVfUi WkhY\Z'\Uh'g]\Wk'\XYf'\HfYbX'a Yf\_`]\Wk'[Yk Ub\XY\h'' < Yi hY'bi hnYb'a cXYfbY'; Yf\AhY'k]Y'K Ug\Wka Ug\Wk]bYb'i bX; Yg\Wk]ffgd\@\Yf'\XYi h\]\Wk'k Yb][Yf'K UggYf''\5i \Wk'\X]Y'k]Y\XYf [Ygh]Y[YbYb'B]YXYfg\Wk'\A[Y'\hfU[Yb'ni 'X]YgYa 'Yf\ZfYi \]\Wk\Yb \F\@\W\_[Ub['\Y]''\8\Ub\_'Y]bYf'j Yf\Ab\XYf\hYb'\6\Yj \O`\_Yfi b[gg\hfi\_hi f']gh Y]bY'\\O\\YfY'\GYbg]\V]\]h\Ah'[Y[Yb\@\VYf'\XYa '\Hf]b\_k UggYf' \ZYg\ni g\hY\`\Yb''\

8]Y'K UggYfj Yfgcf[ib[']b'; ]Y»Yb'YfZc`[h'\UidhgÀW\`]W\'ØVYf'X]Y GhUXhk Yf\_Y']b'EiYW\_Vcfb'ibX'X]Y'K UggYfk Yf\_Y'GhUXhU``YbXcfZ''9]b'fcVighYg'BYhn'jcb'@Y]hib[Ybž'X]Y'g]W\'ØVYf'&\$'?]`ca YhYf YfghfYW\_Ybž'gcf[h'XUZØfž'XUgg'XUg'K UggYf'ghYhg'jYfZØ[VUf']gh''8cW\'hfchn'XYf'dcg]h]jYb'9bhk]W\_`ib[Yb'V`Y]Vh'XYf'K UggYfVYXUfZ ZØf; UfhYbUfVY]h'ibX'5ihck ÀgW\Y'a]b]a U`''`YX][`]W\'UW\h'Vnk'' ZØbZ'@]hYf'dfc'HU[°

 $\pm$ 0; ]Y» Yb 'Z]Y» h'a Y\f'K UggYf'Xi fW\ 'X]Y 'F c\fY 'U`g' Y 'ni j cfž'i bX

 $X]Y`NU\ Yb`gdfYWXYb`ZØf`g]WX.`8]Y`GhUXhVYj`O`_Yfi b[`nY][ hž`XUgg bUWX\ U`h][ Yf`I a [ Ub[ `a ]h`K UggYf`a O[`]WX`]ghž`Ui WX`]a `5b[ Yg]WX h k Y]hYf`ghY][ YbXYf`NU\`Yb"'; ]Y<math>*$ Yb`[ Y\h`a ]h`[ i hYa `6Y]gd]Y``j cfUb `X]Y`Ni \_i bZh`XYf`K UggYfbi hni b[`gWXY]bh`[ Yg]WXYfh°

8 YhU]`g

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