

5`U]b'8Y`cb']a 'HJ.'9]b'H\Ya YbUVYbX j c``Yf'?`Ugg]_Yf'i bX'8c_i g

5fhY'k]Xa Yh'Y]bYb'H\Ya YbUVYbX'5`U]b'8Y`cb'a]h'8c_i g i bX'XYa'?f]a]'/ ei ch/@Ui h`cg'k]Y'X]Y'BUW\h' ei ch/'Ua A cbhU['i a '&\$.%) 'I \f"

8c_i g ØVYf XUg @YVYb j cb 5 `U]b 8Y `cb

8Yf'5VYbX'Ui Z'5fhY'k]fX'Ui WX'j cb'nkY]'8c_i a YbhUh]cbYb
VY[`Y]hYhž'X]Y'XYa 'Ni gWXUi Yf'Y]bYb'dYfgÒb`]WXYb'9]bV`]W_']b'XUg
@YVYb'j cb'5`U]b'8Y`cb'[YVYb"'8]Y'8c_i ' 5`U]b'8Y`cbž
dYfgÒb`]WX 'k]fX'YVYbZU``g'Ua 'A cbhU['Ui g[YghfU\`h'i bX'V]YhYh
Y]bY'ZUgn]b]YfYbXY'9fnÀ\`i b['ØVYf'gY]bY'?Uff]YfY'i bX'gY]bY
9fZU\fi b[Yb']a ':]`a [YgWXÀZh"'8]Y'8c_i a YbhUh]cb'VY`Yi WXhYh

b]W\h'bi f'8Y`cbg'9fZc`[Yž'gcbXYfb'Ui W\'X]Y'<YfUi gZcfXYfi b[Ybž XYbYb'Yf']a '@Ui ZY'gY]bYf'`Ub[Yb'@Ui ZVU\b'[Y[YbØVYfghUbX"

 $: \varnothing f :] `a \ Z U b g `] g h `X Y f `H \ Y a \ Y b U V Y b X `Y] b Y `[fc * U f h] [Y '; Y `Y [Y b \ Y] h `z X] Y `n Y] h `c g Y `5 b n] Y \ i b [g_f U Z h 'j c b `8 Y `c b `ni `Y f `Y V Y b z `X Y f `Ui `W\ `] b X Y b `g d A h Y f Y b `z U \ f Y b `g Y] b Y f `? U f f] Y f Y `g Y] b Y `D f A g Y b n `V Y k U \ f Y b _c b b h Y " K A \ f Y b X `g Y] b Y :] `a Y `c Z h 'j c b `Y] b Y a `a Y `Ub W c `] g W Y b H c b `[Y d f A [h `g] b X z `g d] Y [Y `h `g] W `] b `g Y] b Y b `:] [i f Y b `Ui `W `Y] b Y h] Y Z Y f Y `9 a c h] c b U `] h A h `k] X Y f " `8] Y g `a U W h `] \ b `ni `Y] b Y a `X Y f Z U g n] b] Y f Y b X g h Y b `G W U i g d] Y `Y f `X Y f `Z f U b n Òg] g W Y b `:] `a [Y g W X] W X h Y "$

8Yf'gdAhY'Gd]Y`Z]`a 'a]h'5`U]b'8Y`cb

Ni gàhn`]W\`ni `X]YgYb`Dfc[fUa a \O\Ydi b_hYb`k]fX`Ua `gdàhYb A cbhU[UVYbX`XYf`Gd]Y`Z]`a `K]Y`FUi V_UhnYb `Ui g[YghfU\`hž']b XYa `5`U]b`8Y`cb`bYVYb`XYf`dfca]bYbhYb`GW\Ui gd]Y`Yf]b`*JbY:cbXU`ni `gY\Yb`]gh"\8]YgYf:]`a `ghY``h`YfbYi h`X]Y`J]Y`gY]h][_Y]h j cb`8Y`cb`i bhYf`6YkY]g`i bX`nY][hž'k]Y`Yf`Yg`a Y]ghYf\UZh`gW\UZZhž Ya ch]cbU`Y`H]YZY`]b`gY]bY`Fc``Yb`ni `Vf]b[Yb"

8]Y?ca V]bUh]cb'Ui g'gY]bYa 'gW\Ui gd]Y`Yf]gW\Yb'HU`Ybh'i bX'XYb
Ui Z'5fhY'[YnY][hYb'K Yf_Yb'V]YhYh'XYb'Ni gW\Ui Yfb'Y]bY'k Yfhj c``Y
; Y`Y[Yb\Y]hž'a Y\f'ØVYf'X]YgYb']_cb]gW\Yb'?Øbgh`Yf'ni '`YfbYb
i bX'g]W\'Ub'gY]bY'gW\]``YfbXY'?Uff]YfY'ni 'Yf]bbYfb'''5`U]b'8Y`cbž
XYf'b]W\h'bi f'ZØf'gY]bY'Fc``Ybž'gcbXYfb'Ui W\'ZØf'gY]bY
dYfgÒb`]W\Yb'9fZU\fi b[Yb'VY_Ubbh']ghž'V`Y]Vh'Ui W\'bUW\'j]Y`Yb
\$J\fYb']a 'F Ua dYb`]W\h'Y]bY'ZUgn]b]YfYbXY'DYfgÒb`]W_Y]h''

Gc`WXY: YfbgY\YfY][b]ggY:g]bX:b]WXh:bi f:Hf]Vi hg:Ub:?Øbgh`Yf:k]Y5`U]b:8Y`cbž:gcbXYfb:g]Y:fY[Yb:Ui WX:7Øb[YfY; YbYfUh]cbYb:XUni Ubž:g]WX:a]h:gY]bYf::]`ac[fUZ]Y:Ui gY]bUbXYfni gYhnYb":8]Y J cfVYfY]hi b[:XYf:Ni gWX Ui Yf:Ui Z:XYb:H\Ya YbUVYbX:]gh:Y]b k]WXh][Yf:GWXf]hhž:i a:g]WXYfni ghY``Ybž:XUgg:X]Y:_i `hi fY``Yb 9ffi b[YbgWX UZhYb:XYf:JYf[Ub[Yb\Y]h:b]WXh:]b:JYf[YggYb\Y]h [YfUhYb":8]Y:5b_ØbX][i b[:XYg:9j Ybhg:Ui Z:5fhY:gcf[h:XUZØfž:XUgg XUg:9fVY:XYg:GWX Ui gd]Y`Yfg:kY]hYf`YVh:i bX:bYi Y:Ni gWX Ui Yf:XUni]bgd]f]Yfhž:gY]bY::]`aYi bX:gY]bY; YgWX]WXhYb:ØVYf:X]Y:@Y]bk UbX \]bUi g:ni 'YbhXYW_Yb"

6]c[fUZ]Y i bX ? Uff]YfY j cb 5 `U]b 8 Y `cb

a '@Ui ZY'gY]bYf'? Uff]YfY'\Uh'8Y`cb']b'ØVYf', \$::]`a Yb'a]h[Yk]f_hž XUfi bhYf'?`Ugg]_Yf'k]Y' 8Yf'@YcdUfX 'f⊨'; UhhcdUfXcŁ'j cb @ W\]bc'J]gWcbh]'i bX' Ncffc 'fNcffcŁ'Ui g'XYa '₺\\f'%-+) "'9f Yf\]Y`h'nU\`fY]W\Y'5i gnY]W\bi b[Ybž'XUfi bhYf'X]Y'DU`a Y'X Cf'ZØf gY]b'@YVYbgk Yf_'VY]'XYb':]`a ZYghqd]Y`Yb'j cb'7UbbYg"

5`U]b 8 Y`cbg 9]b Z`i gg Ui Z'X]Y :]`a]b Xi ghf]Y

5`U]b`8Y`cb`[]`h'U`g`GW\Ui gd]Y`Yfž`XYf`XYb`Gh]``XYg`Yi fcdÀ]gW\Yb?]bcg`]b`XYb`%-*\$Yf`i bX`%-+\$Yf`\J\fYb`a U»[YV`]W\`[YdfÀ[h'\Uh"A]h'gY]bYf`W\Uf]ga Uh]gW\Yb`5i gghfU\`i b[`i bX`gY]bYa `HU`Ybhž_ca d`Yl Y`Ya ch]cbU`Y`Ni ghÀbXY`XUfni ghY``Ybž`VYY]bZi gghY`Yfb]W\h'bi f`X]Y`:]`a _i bghž`gcbXYfb`Ui W\`a cX]gW\Y`HfYbXg`X]YgYfNY]h''`GY]b`Ni gUa a YbUfVY]h'a]h'5`ha Y]ghYfb`XYg`:]`a g`k]Y`\J\Ub!D]YffY`AY`j]``Y`i bX`@\W\]bc`J]gWcbh]`\YVh'gY]bY`J]Y`gY]h][_Y]h'i bXgY]bY`g][b]Z]_UbhY`Fc``Y`]b`XYf`Yi fcdÀ]gW\Yb`:]`a [YgW\]W\hY\Yfj cf"

Ni gàhn`]W\ni 'gY]bYf`GW\Ui gd]Y`_Uff]YfY`\Uh'8Y`cb'Ui W\'U`g
DfcXi nYbhi bX`FY[]ggYi f`[YUfVY]hYh"'9f`k Uf`Y]b'D]cb]Yfž`XYf`Yg
j YfghUbXž`g]W\']b'j YfgW\]YXYbYb':]`a [YbfYg'ni 'VYk Y[Ybž'j cb
XfUa Uh]gW\Yb'Fc``Yb'V]g'ni '5Wh]cbZ]`a Yb"'GY]b'9]bZi gg']gh'V]g']b
X]Y'; Y[Ybk Ufh'gdØfVUfži bX'j]Y`Y'\Yi h][Y'GW\Ui gd]Y`Yf'bYbbYb
]\b'U`g'\deltagd]fUh]cb"

8]Y Fc``Y j cb 5`U]b 8Y`cb]b XYf Dcd_i `hi f

5`U]b'8Y`cb'k]fX'cZh'Ui W\']b'XYf'8]g_i gg]cb'i a 'X]j Yfg]hm']b:
]`a Yb'h\Ya Uh]g]Yfhž'k Y]`'Yf']b'Y]bYa 'NY]hfUi a 'UfVY]hYhYž'XYf
ghUf_'j cb'ghYfYchmdYb'8UfghY``i b[Yb'[YdfÀ[h'k Ufž'YXcW\'Xi fW\
gY]bY'J]Y`gY]h][_Y]h'cZh'X]Y'; fYbnYb'X]YgYf'GhYfYchmdYb
ØVYfgW\fY]hYb'_cbbhY"8]Y'k]YXYf_Y\fYbXY'H\Ya Uh]g]Yfi b[
gY]bYf'@YVYbgYfZU\fi b[Ybž']bgVYgcbXYfY']b'XYb'`YhnhYb'\\J\fYbž
gd]Y[Y`h'Y]bY'h]YZYfY'[YgY``gW\UZh`]W\Y'6YhfUW\hi b['ØVYf'XUg'5`hYfi bX'X]Y'K U\fbY\a i b['j cb'GhUfg']b'XYf':]`a]bXi ghf]Y'k]XYf''

5_hi Y``Y`Dfc^Y_hY'i bX'5i gnY]W\bib[Yb

a '\\f'&\&\Yf\]Y`h'5`U]b'8Y`cb'XYb'9\fYbdfY]g'XYg': Ygh]j U``Xi:]`a ': fUb\Cd\cbY'X 5b[ci '\&a Y '\Z\Of'gY]bY'\YfUi gfU[YbXYb \\ \text{@Y]ghi b[Yb']a ':]`a \\'Hfchn'gY]bYg'Fi\YghUbXg'g\XY]bh'Yf'k Y]hYf\]bYb'i bUi g`\Og\X\`]\XYb'9]bXfi \\'Ui Z'XUg'Di V`]_i a 'i bX'X]Y \\:]`a \]bXi ghf]Y'ni '\]bhYf`UggYb\\''9]b][Y'gY]bYf``YhnhYb'5fVY]hYb\\Y]b\U`hYb'8c_i a YbhUh]cbYbž'X]Y'g]\X\`a \]h'gY]bYa '\text{@YVYb'i bX}gY]bYf'?UifgYfY'Ui gY]bUbXYfgYhnYb'i bX']b'XYbYb'Ui \X\'\Ob[YfY\\;YbYfUh]cbYb'j cb':]`a Ya U\X\Yfb'i bX'G\X\Ui gd]Y`Yfb'gY]bY\\6YXYi hi b['Yf_YbbYb''

8 Y hU]`g

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