

A Uf]gU'6i f[Yf'j Yf`Àggh'X]Y'FcgYb\Y]a! 7cdg.'9]b'GW\cW_'ZØf'X]Y': Ubg°

A Uf]gU'6i f[Yf'j Yf`Àggh'/ ei ch/8]Y'FcgYb\Y]a !7cdg/ ei ch/]a '< YfVgh'&\$&) 'bUW\'ØVYf'&\$'\\J\fYb'U`g'A]f]Ua 'GhcW_`" BYi Y': c`[Yb'UV'< YfVgh'&\$&) "



FcgYb\Y]a ž8Yi hgW `UbX'!'8]Y'K Y``Yb'gW\`U[Yb'\cW\']a
? Ob][ggYYžXYbb'Yg'[]Vh'BYi][_Y]hYb'Ui g'XYa '<Ui gY' 8]Y
FcgYb\Y]a !7cdg "GW\Ui gd]Y`Yf]b'A Uf]gU'6i f[YfžX]Y'gY]h'XYf
YfghYb': c`[Y'U`g'Dc`]nY]gY_fYhÀf]b'A]f]Ua 'GhcW_`'Y]b'HY]`'XYf
9fZc`[ggYf]Y']ghž'\Uh'VY_Ubbh'[Y[YVYbž'XUgg'g]Y']a '<YfVgh'&\$&)
Ui g'XYf'GYf]Y'Ui ggW\Y]XYb'k]fX"'8]YgY'9bhgW\Y]Xi b['k]fX'a]h
[Ya]gW\hYb'; YZØ\`Yb'Ui Z[Ybca a Ybž'XYbb'6i f[Yfž'X]Y'b]W\h'bi f
ZØf']\fY'gW\Ui gd]Y`Yf]gW\Yb': À\][_Y]hYb'[YgW\Ahnh'k]fXž']gh'Ui W\
ZØf']\fY'\Yfn`]W\Y'5fh'VY_Ubbh''; YfØW\hY'i a ']\fYb'5i ggh]Y[
\UVYb'VYfY]hg'X]Y': Ub[YaY]bXY']b'5i ZfY[i b['j YfgYhnh''

A UI 'A Ø``Yfž'XYf'U`g'Dc`]nY]\Ui dha Y]ghYf'A]W\]'A c\f'YVYbZU``g ni a 'ZYghYb'9bgYa V`Y'XYf'GYf]Y'[Y\Òfhž']gh'gY]h'i b[`Ui V`]W\Yb'&'

*J\fYb 'HY]` 'XYg': cfa Uhg" '9f' VYhcbhž XUgg']\a 'X]Y '5fVY]h'Ub 'XYf GYf]Y 'bUW 'k]Y j cf'[fc» Y': fYi XY 'VYfY]hYhži bX 'XUgg'Yf'b]W h j cf\Uhž X]Y 'GYf]Y 'ni 'j Yf`UggYb' 'ni a]bXYgh'gc`Ub[Y'Yg'b]W h `Ub[kY]`]['k]fX" '\DY]bYa '\DYf]Yk 'Yf_`AfhY'A Ø``Yfž XUgg'gY]bY Fc``Y'U`g'A]W J'A c\f'ZØf']\b' XUg'[fÒ» hY'VYfi Z]W Y'; YgW Yb_XUfghY``h" KYbb'G]Y'V]hhY'a]h_ca aYb'a ÒW hYb' 'X]YgYf?i`hgdfi W ibX'X]Y'9f]bbYfib['Ub'X]Y'?c``Y[]U`]hAh'Ua'GYh'`UggYb]\b'b]W h`cg"

A Uf]gU'6i f[Yfg'5VgWX]YX'i bX'X]Y <]bhYf[fØbXY

A]h']\fya '5VgW\]YX'bUW\'XYf'&) "'GhUZZY``k]fX'6i f[Yf'b]W\h'bi f
Y]bY'VY`]YVhY':][i f'ni fØW_`UggYbž'gcbXYfb'Ui W\'X]Y'\Yfn`]W\Y
; Ya Y]bgW\UZh'Ua 'GYh'j Yfa]ggYb"'\DgVYgcbXYfY'A Ø``Yf'\YVh
\Yfj cfž'k]Y'k]W\h]['XUg'ZfYi bX`]W\Y'A]hY]bUbXYf'ZØf'X]Y'[YgUa hY
7fYk ']gh"' 8]Y'Y\f`]W\Y'<Yfn`]W_Y]h']gh'Y]b'[fc\"Yg'H\Ya U'\]bhYf
XYb'?i\]ggYb\ZYf_`Afh'A\Ø``Yf"'8]YgY'dcg]h]j Y'5ha cgd\AfY'hfA[h
ni f': fYi XY'Ub'XYf'5fVY]h'VY]'i bX'ghY``h'g]W\YfZ'XUgg'\@'Zh'fUi g
XYZ]b]h]j 'b]W\h'U_nYdhUVY`']gh"

K Ybb'a Ub'X]Y; YgdfÀWXY'Ua 'GYh'j YfZc`[hž'gdØfh'a Ubž'XUgg'X]Y GWXUi gd]Y`Yf'[fc» Yb'K Yfh'Ui Z'GdUbbi b['i bX': fYi XY'`Y[Yb" 8 Ybbc WX 'a UWXh'XYf'VYj cfghY\YbXY'J Yf`i gh'j cb'6i f[Yf'Y]bYb k]WXh][Yb'HY]``XYf' FcgYb\Y]a !7cdg 'gWXa Yfn`]WX'gdØfVUf"'=\fY :][i fž'X]Y'XYb'Ni gWXUi Yfb'Ubg'< Yfn'[Yk UWXgYb']ghž'k]fX'bUWX XYb'8 fY\UfVY]hYb'ni f'&) "'GhUZZY``\]ghcff]gWX'k YfXYb"'I bX k À\fYbX'g]Y'bYi Y'K Y[Y'gi WXhž'V`Y]VYb']\fY'j]Y`Yb': Ubg'Ui Z'XYf Gi WXY'bUWX'k Y]hYfYb'=\DZcfa Uh]cbYb'ØVYf']\fY'Ni _i bZh"

6`]W_]b X]Y Ni _i bZh

5_hi Y```]gh'X]Y`N8:!GYf]Y`]b`XYf`Gca a YfdUi gYž'XcW\`bYi Y`: c`[Yb XYf`&) "'GhUZZY``k YfXYb'j cfUi gg]W\h`]W\`UV`<YfVgh'&\$&) Ui g[YghfU\`h"\=b`XYf`Nk]gW\YbnY]h`nY][h`XUg`N8: 'K]YXYf\c`i b[Yb j cb`GhUZZY``&%ž'X]Y`X]YbghU[g`i a '%-.&) 'I\f`Ui g[YghfU\`h`k YfXYb" 6Yf[Yf`i bX`A Ø``Yf`\UVYb`XYa 'Di V`]_i a 'j]Y``[Y[YVYbž'i bX`X]Y

Ni _i bZhXYf*GYf]Y*k]fX*Yg*nY][Ybž*k]Y*g]WX*X]Y*8 mbUa]_*c\bY*g]Y j YfÀbXYfb*k]fX**K]Y*\Y]» h*Yg*gc*gWX Òb3*8]Y*G\ck*a i gg k Y]hYf[Y\Ybž*i bX*k]f*XØfZYb*[YgdUbbh*gY]bž*k Y*WXY , VYffUgWXi b[Yb*i bg*X]Y*_ca a YbXYb*9d]gcXYb*Vf]b[Yb*k YfXYb*

6YfY]hg'Yhnh'V`Y]Vh'i bg'X]Y'J cfZfYi XY'Ui Z'X]Y'F ØW__Y\f'XYf VY`]YVhYb'?f]a]gYf]Yž'VY[`Y]hYh'j cb'XYa 'V]hhYfgØ» Yb'K]ggYb'ØVYf XYb'_ca a YbXYb'5VgWX]YX'j cb'A Uf]gU'6i f[Yf"

K Y]hYfY' \pm bZcfa Uh]cbYb' \emptyset VYf'X]Y'9bhk] \underline{W} i b[Yb'fi bX'i a '8]Y FcgYb\Y]a !7cdg 'Z]bXYb'G]Y']b'XYb'5fh]_Y`b'j cb' \times cmb'i bX' 5VYbXnY]hi b['A \emptyset b WX Yb"

8 YhU]`g	
Cfh	FcgYb\Y]a ž'8Yi hgWX`UbX
Ei Y``Yb	• kkk"^cmb"XY
	• k k k "UVYbXnY]hi b[!
	a i YbWXYb"XY

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