&&"": YVfi Uf"&\$&'



$J cfgWX f]ZhYb ZØfGhUV YWc]bgZUghZYfh][. 6 cW_WX U]b 5ggcW]Uh]cb$



Fi ZY'bUW\'a Y\f'HfUbgdUfYbn']a 'DfcnYgg'XYf'?fmdhc!FY[i`]Yfi b[]b'XYb'l G5'k YfXYb'`Ui hYf"'8Yf'bYi YghYž'XYf'q]W\'XYa 'HfYbX

5a '&&": YVfi Uf'gU[hY'?f]gh]b 'Ga]h\ž79C 'XYf'6`cW_W\U]b
5ggcW]Uh]cbž'[Y[YbØVYf'6`cca VYf[ž'XUgg'X]Y 'F Unn]U'Y]bY
CdYfUh]cb \]bhYf'j YfgW\`cggYbYb 'HØfYb '[Yk YgYb'gY]ž'X]Y'i bhYf
VYgh]a a hYb'l a ghÀbXYb'Ui Z'VYgh]a a hY'l bhYfbY\a Yb'UVn]Y`hY"

K Ugʻk]fʻk]f_`]WX 'VfUi WX Ybž']ghʻY]bʻc ZZYbYfYfʻDfcnYggž'VY]'XYa k]fʻXYbʻ[YgUa hYbʻA Uf_hi a ZUggYbX 'VYhfUWX hYb"'Œ Y[i `Uhcfg bYYX 'hcQ:]bXYbʻG]Yʻ\YfUi gžʻk]YʻG]Yʻj YfgWX]YXYbYʻ5_hYi fY]bbYf\U`VʻXYgʻ?fmdhc!² _cgmghYa gʻUb[Ya YggYbʻfY[i `]YfYb _ObbYbži bX`[Y\YbʻG]Y`]bʻY]bYa 'cZZYbYbʻDfcnYggʻj cfUbžʻUbʻXYa YXYfʻhY]`bY\a Ybʻ_Ubb"

8]Y'6`cW_WXU]b'5ggcW]Uh]cb']gh'X]Y'_c``Y_h]j Y'Gh]a a Y'XYf?fmdhc]bXi ghf]Y'a]h'fi bX'\i bXYfh'A]h[`]YXYfbž'XUfi bhYf'X]YZØ\fYbXYb'=bj YghcfYbž'I bhYfbY\a Ybž': Ø\fi b[g_fÀZhY'i bXDfcY_hY'XYf'6fUbWXY"

K Ugʻk]fʻVfUi WXYbžʻ]ghžʻXUggʻXYfʻ?cb[fYggʻ; YgYhnYʻa UWXh"

?f]gh]b Ga]h\ž79C XYf6`cW_W\U]b 5ggcW]Uh]cbžYf_`Àfhž'k Ufi a 'g]Y [fc»Y'<c \mathbb{Z} bi b['Ui Z'X]Y'?fmdhc!; YgYhn[YVi b['\Uhž'k À\fYbX'g]Y a]h'6`cca VYf['gdf]W\h'4 _U]`Ym`Y]bn'\hhdg.##h"Wc# X;]7Wlej 5 'd]Whk]hhYf"Wca #Y?fhZ@V; ?6

'6'cca VYf['7fmdhc'f4 WfmdhcŁ'&%": YVfi Uf'&\$&'

GhUV`YWc]bg a ØggYb UXfYgg]Yfh k YfXYb

G]Y 'ZØ[hY '\]bni ž'XUgg'XYf'?cb[fYgg'; YgYhnY 'Yf`UggYb'a ØggYž'XYf DfcnYgg'YXcW\ 'gY\f'`Ub[gUa 'gY]'i bX'FY[i `]Yfi b[gVY\ÒfXYb'k]Y X]Y 'G97 'Y]b[fY]ZYb'i bX']\fY'Y][YbYb'A U» bU\a Yb'Yf[fY]ZYb k ØfXYb"'8]Y '5[Ybhi f'\Uh'_Øfn`]W\ 'GhUV`YWc]bg']bg'J]g]Yf [Ybca a Ybž'XU'g]Y'j Yfgi W\hž'U``Ygž'k Ug'a]h'?fmdhc'ni 'hi b'\Uhž'U`g G]W\Yf\Y]h'ni '_YbbnY]W\bYb"

Ga]h\`k ØfX][hY`XYb`bYi Yb`l bhYfUi ggW\i gg`XYg

FYdfÀgYbhUbhYb\Ui gYg`ZØf`X][]hU`Y`J Yfa Ò[Ybgk YfhYž
:]bUbnhYW\bc`c[]Y`i bX`\b_`i g]cbž`XYf`A]hhY`\Jbi Uf`Ub[Y_ØbX][h
k i fXYž`i bX`ZØ[hY`\]bni ž`XUgg`g]Y`ni j Yfg]W\h`]W\`]b`6Yni [`Ui Z
GhUV`YWc']bg`gY]"

8]Ygʻ]ghʻY]bʻH\Ya Užʻa]hʻXYaʻg]W\ʻXYfʻ?cb[fYggʻgY]hʻ&\$%-VYZUgghžʻi bXʻYgʻ[UVʻ5b\Òfi b[Ybʻgck c\``]a ʻFYdfÀgYbhUbhYb\Ui g U`gʻUi W\ʻ]a ʻGYbUh žʻgU[hYʻg]YžʻVYj cfʻg]Yʻ\]bni ZØ[hY.' @YhnhYgʻ\\f k UfYbʻk]f_\`]W\ʻbU\ʻXfUbžʻY]b][YʻØVYfdUfhY]`]W\Yʻ; YgYhnYʻni j YfUVgW\]YXYb"

8]Y '5fVY]h'Ub 'XYf'GhUV`YWc]b!; YgYhn[YVi b['gY]'UV[YgWX`cggYbi bX'Y]bgUhnVYfY]hž'gU[hY'Ga]h\"'8Yf'?cb[fYgg'aigg'bif UVXfØW_Ybž'UVYf']b'XYb'VØfc_fUh]gWXYb'N]f_Y`b'XYf UaYf]_Ub]gWXYb'Dc`]h]_'dUgg]Yfh'gWXbY``'b]WXhg"

la[Ub[a]hfY[i`Uhcf]gWXYb6YXYb_Yb

8 Yf' < Ui dhj cfk i fZ'XYf'I G!Ua Yf]_Ub]gW\Yb'fI bX'[`cVU`YbŁ 5i Zg]W\hgVY\ÒfXYb']ghž'XUgg'?fmdhc'ZØf'; Y`Xk ÀgW\Y'i bX HYffcf]ga i gZ]bUbn]Yfi b['j Yfk YbXYh'k]fX"'Ga]h\'Uf[i a Ybh]YfhYž XUgg'X]Y'a Y]ghYb'nYbhfU`]g]YfhYb'6ÒfgYb'VYfY]hg'ØVYf'gc`]XY'5A @fbh]!; Y`Xk ÀgW\YŁ'i bX'?M7!'fP.bck'Mci f'7i ghca YfŁ 6Ygh]a a i b[Yb'j YfZØ[Yb"

G]Y ZØ[hY \]bni ž XUgg Yg gd Yn]U`]g]YfhY 5bU`mgY Z]fa Yb []Vhž X]Y a]h GhfUZJ YfZc`[ib[gVY\OfXYb ibX nYbhfU`]g]YfhYb 6OfgYb nigUaa YbUfVY]hYbžia \YfUigni Z]bXYbž kc g]WX X]Y ?? f]a]bY``Yb UiZ\U`hYb ibX kc\]b X]Y ; Y`XYf Z`]Y » Yb"

 $\label{eq:continuity} \mbox{$O7$ fmd hc Q]gh'hUhgÀW\`]W\'j]Y``hfUbgdUfYbhYf'U`g'k]f'Yg']a hfUX]h]cbY``Yb':]bUbnX]Ybgh`Y]ghi b[ggmghYa'gY\Yb'ž$

K]f'[`Ui VYb'b]W\hž'XUgg'Yg'\]Yf'Y]b'DfcV`Ya '[]Vh ž'gU[hY'Ga]h\ž XU'l G!8c``Uf'X]Y'YfghY'K U\``ZØf'?f]a]bY``Y'i bX'; Y`Xk ÀgW\Yf'g]bX" 8]Y'; YgYhn[YVi b['gY]'Ui Z'XYf'GhUV`YWc]b!'i bX'A Uf_hgY]hY YfZcfXYf`]W\ž'gW\`cgg'g]Y"

8 Y hU]`g

6 Y gi W Y b 'G]Y 'i b g 'Ui Z '_fmd hc!b Y k g "Uh