

: 7'6UmYfb'c\bY'8Uj]Yg. GWxcW_jYf`Yhnib['_ifn'jcf'?`iV!K A'

: 7 '6 UmYfb 'A ØbWXYb 'VYfY]hYh'g]WX 'Ui Z'X]Y '? `i V!K A 'j cfž k À\fYbX'5 `d\cbgc'8 Uj]Yg'k Y[Yb'Y]bYg'?fYi nVUbXf]ggYg Ui gZÀ ``h"

I G5 !!: 7 '6 UmYfb 'A ØbWX Yb '\ Uh'g]WX ']b 'XYb '`YhnhYb 'K cWX Yb]bhYbg]j 'Ui Z'X]Y '_ca a YbXY '? 'i V!K Y 'ha Y]ghYfgWX UZh'j cfVYfY]hYhž X]Y 'A]hhY '> b] ']b 'XYb 'I G5 'ghUhhZ]b XYb 'k]fX" '8 Ug 'Yf_ `AfhY 'N]Y '`XYg J YfY]bg ']gh 'Ygži a 'XYb 'H]hY '`ni '_Aa d ZYb" '8 c WX 'Y]bY 'V]hhYfY B UWX f]WX h'hfØVh'X]Y 'J cfZfYi XY. '5 'd\cbgc '8 Uj]Yg 'k]fX 'Ub 'XYa dfYgh][YhfAWX h][Yb 'Hi fb]Yf 'b]WX h'hY] 'bY\a Yb '_ObbYb" '8 Yf _UbUX]gWX Y 'B Uh]cbU 'gd]Y 'Yf 'nc['g]WX '9bXY 'A Afn 'VY] 'Y]bYa @AbXYfgd]Y '`[Y[Yb 'X]Y 'I G5 'Y]bY 'gWX k YfY '? b]Yj Yf 'Yhni b['ni ž'X]Y U'g'? fYi nVUbXf]gg 'X]U[bcgh]n]Yfh'k i fXY" 'K]Y 'XYfk YghYb"XY VYf]WX hYhž 'ZA` 'h'8 Uj]Yg 'j cfUi gg]WX h']WX 'X]Y [YgUa hY' <]bfi bXY 'Ui g"

± XYf'%&"A]bi hY XYg'7CB7575: !BUh]cbg!@YU[i Y!Gd]Y`g
j Yf`YhnhY 'g]WX '8 Uj]Ygž'k Ug'X]Y '8]U[bcgYghY``i b['XYg': 7'6UmYfb
bUWX 'g]WX 'nc["'9f'k]fX'a]h'Y]bYf'5i gZU``XUi Yf'j cb'fi bX'gYWXg
A cbUhYb'fYWXbYb'a ØggYbž'k ca]h'ZØf']\b'X]Y'[YgUa hY'U_hi Y``Y
GU]gcb'Y]bgWX`]Y»`]WX 'XYf'7\Ua d]cbg'@YU[i Y'i bX'XYf'?`i V!K A
VYYbXYh']gh"'GY]b'6YfUhYf'BYXU``<i cgY\'Ài »YfhY'_Øfn`]WX
J cfk ØfZY'[Y[Yb'XYb'_UbUX]gWXYb'J YfVUbX'gck]Y'BUh]cbU`hfU]bYf
≯ggY'A UfgWXž'XU'8 Uj]Yg'Ub[YV']WX'b]WXh'\ÀhhY'gd]Y`Yb'gc``Ybž'XU
Yf'VYfY]hg'Ub[YgWX`U[Yb'k Uf"'8]YgY'G]hi Uh]cb'k]fZh'Y]b'@]WXh'Ui Z
X]Y'<YfUi gZcfXYfi b[Ybž'a]h'XYbYb'XYb'Gd]Y`Yfb'i bX
hfU]b]YfYbXYb'J YfVÀbXYb'_cbZfcbh]Yfh'q]bX"

JYf`Yhni b[ggcf[Yb VY]a : 7 6UmYfb

8]Y J Yf Yhni b['j cb'8 Uj]Yg ']gh'b]W h'X Ug 'Y]bn][Y 'a YX]n]b]gWX Y DfcV 'Ya z'a]h'XYa 'X]Y 'A ØbWX YbYf'_Aa dZYb"'Gc'k]fX 'Ui WX '8 Umch I dUa YWUbc'k Y[Yb'Y]bYg'? bcfdY 'gWX UXYbg']a '? b]Y '`Àb[YfY 'NY]h Ui gZU``Ybz'k À\fYbX'A Ubi Y``BYi Yf'Ui Z[fi bX'Y]bYf K UXYbj Yf 'Yhni b['X]Y 'YfghYb'6i bXYg`][U!Gd]Y 'Y 'bUWX 'XYf @AbXYfgd]Y 'dUi gY'i bX 'a O[`]WX Yfk Y]gY 'XUg'7\Ua d]cbg!@YU[i Y! <]bgd]Y``]a 'J]YfhY 'Z]bU'Y '[Y[Yb'+bhYf'A U] 'UbX'j YfdUggYb'a i gg" Ni XYa 'k Uf'Ui WX 'xbUg'I fV][z'XYf'J YfhfYhYf'j cb'BYi Yfž Ub[YgWX 'U[Yb"'A UI '9VYf'z'Gdcfhj cfghUbX 'XYg': 7 '6UmYfbz'\Uh'g]WX ni 'XYb'[fUj]YfYbXYb'J Yf Yhni b[Yb'[YÀi »Yfhi bX 'VYhcbh'X]Y GhÀf_Y 'XYg'? UXYfgz'gck]Y 'X]Y 'Bchk YbX][_Y]hz ni gUa a Ybni \U`hYbz'i a 'X]YgY'? f]gYbg]hi Uh]cb'ni 'VYk À'h][Yb"'K]Y Vf"XY 'VYf]WX hYhz'\YffgWX h']bbYf\U`V 'XYg'J YfY]bg'[fc » Y 'Gcf[Y ØVYf'X]Y '5i gk]f_i b[Yb'X]YqYf'5i qZÀ``Y"

JYf`Yhni b[gdfÀjYbh]cb']a :: i » VU``

 $\label{eq:continuous} J Y f Y hni b [Yb'k]Y'X]Y'j cb'5 d cbgc'8 Uj] Y g' \ UVYb']b' XYf \\ : i > VU ``[Ya Y]bgW UZh'Y]bY Ybcfa Y'?c \ AfYbn'''6YfY]hg']b'Y]bYf \\ Ghi X]Y'ni f'J Y f Yhni b [gj cfVYi [i b [']a '@Y]ghi b [gZi > VU ``k i fXYb Ui gZØ\f`]W Y'5 b U`mgYb'ØVYf'J Yf`Yhni b [gi fgUW Yb'i b X DfAj Ybh]cbgghfUhY []Yb'Xi fW [YZØ\fh''8]YgY'nY][Ybž'k]Y'k]W h]['Yg]ghž'[i hY'dfAj Ybh]j Y'A U > bU\a Yb'ni Ybhk]\w_Y`b''K YfZYb'G]Y [YfbY'Y]bYb'6`]\w_Ui Z'X]Y'XYhU]``]YfhYb'9f[YVb]ggY']b'XYf' <math display="block"> FY[YbgVi f[!Ghi X]Y'z'i a 'a Y f'ØVYf'X]Y'U_hi Y``Yb'9f_Ybbhb]ggY Ui Z'X]YgYa '; YV]Yh'ni 'YfZU\fYb''$

± XYf Nk]gW YbnY]h'd`Ubh'5`d\cbgc'8 Uj]Ygž']a 'Bcj Ya VYf'k]YXYf]bg'A UbbgW UZhghfU]b]b['ni fØW_ni _Y\fYb"'C V 'XYf'bYi Y J YfhY]X][Yf'≈bUh\Ub'HU\ž'XYf'j YfdZ]W hYhY'Gd]Y`Yf'XYg': 76ž'Ub XYf'?`i V!K A 'hY]`bY\a Yb'_Ubbž'V`Y]Vh'UVni k UfhYbž'XU'6UmYf @Yj Yf_i gYb'Y]bY'\c\Y'5V`ÒgY'ZcfXYfh"': Øf'XYb': 7'6UmYfb'g]bX X]YgY'DYfgcbU`YbhgWXY]Xi b[Yb'i bX'J Yf`Yhni b[Yb'YbhgWXY]XYbX ZØf'X]Y'bÀWXghYb'< YfUi gZcfXYfi b[Yb'Ui Z'bUh]cbU`Yf'i bX]bhYfbUh]cbU`Yf'6Ø\bY"

8 Y hU]`g	
J c f ZU``	? ÒfdYfj Yf`Yhni b[
I fgUWX Y	?fYi nVUbXf]gg
Cfh	I G5
J Y f`Y hn hY	%
EiY``Yb	• k k k "XYfk YghYb"XY
	• k k k "Vf"XY
	• k k k "XZV"XY

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