

@i ZhUa Vi`Ubn!5Vghi fn`]b`D\]`UXY`d\]U. GYWXg'HchY'bUWX HfU[OX]Y°

D\]`UXY`d\]Už'I G5'!:5a :: fY]hU[UVYbXž'XYa '%":: YVfi Uf'&\$&) ž
_Ua 'Yg']b'D\]`UXY`d\]U'ni 'Y]bYa 'hfU[]gWXYb': `i [nYi [UVghi fnž'U`g
Y]b'@ ZhUa Vi `UbnZi [nYi [ž'XUg'Y]b 'ZØbZ'À\f][Yg'?]bX'bUWX
a YX]n]b]gWXYf'6Y\UbX`i b['hfUbgdcfh]YfhYž']b'Y]bYa 'K c\b[YV]Yh
nYfgWXY``hY"'8 Ug'I b[`ØW_'YfY][bYhY'g]WX'i ba]hhY`VUf'bUWX'XYa
GhUfh'i a '%, 'I \f'f&' .\$\$'; A HŁ"'9]b'J]XYc'nY][h'X]Y'@YUfYh')) ž'X]Y
UVfi dh'Ui Z'Y]b'K c\b[YV]Yh'ni ghYi Yfhž'[YZc`[h'j cb'Y]bYf
9I d`cg]cbž'X]Y' < Ài gYf'i bX': U\fnYi [Y']b'XYf'I a [YVi b['YfZUgghY''
@Ui h'6Yf]WXhYb'j cb'5``\UnYYfU'g]bX'U``Y'gYWXg'\DgygYbž
XUfi bhYf'XUg'?]bXž']\fY'A i hhYf'i bX'X]Y'7fYk ž'a YI]_Ub]gWXY
GhUUhgVØf[Yf"</pre>

 $8]Y @ ZhUa Vi `Ubn`k i fXY'j cb'*Yh'FYgW'Y'5]f'5a Vi `UbWW'VYhf]YVYbž'X]Y `U``YfX]b[g'_Y]bY', VYf`YVYbXYb'XYg'l b[`\ØW_g VYghÀh][Yb'_cbbhY''8 Ug'?]bX'k Uf'bUWX'XYa '5i ZYbh\U`h']a G\f]bYfg'7\]`XfYb g'<cgd]hU`']b'D\]`UXY`d\]U'Ui Z'XYa 'K Y['ni f\ØW_bUWX'H]'\f UbUž'A Yl]_cz'bUWX'Y]bYa 'Nk]gWXYbghcdd']b'A]ggci f]'' <math display="block">6 \emptyset f[Yfa Y]ghYf]b'7\YfY``Y'DUf_Yf'VYf]WXhYhY'j cb'a Y\fYfYb VfYbbYbXYb'<Ai gYfb'i bX': U\fnYi [Yb']b'XYf'BA\Y'XYg 5Vghi fncfhYgz'k A\fYbX'; ci j YfbYi f'&g\'G\Ud]fc'XUfUi Z'\]bk]Ygz XUgg'Yg'j cfUi gg]WXh`]WX'JYf'i ghY']b'XYf'FY[]cb'[YVYb'k YfXY''$

FYU_h]cbYbUiZX]YHfU[OX]Y

I G!DfÀg]XYbh'8cbU`X'Hfi a d'Ài »YfhY'g]WX']b'gcn]U`Yb'A YX]Yb'i bX

XfØW_hY gY]b '6YXUi Yfb 'ØVYf'XYb 'J cfZU```Ui gž'k À\fYbX'Yf

[`Y]W\nY]h]['XYb 'YfghYb '9]bgUhn_fÀZhYb '8 Ub_'nc ``hY" '8]YgYg

I b[`ØW_'Zc `[h'Ui Z'Y]bY 'k Y]hYfY 'HfU[ÒX]Y ']b 'K Ug\]b[hcbž'8 "7"ž'k c

Y]bY '? c ``]g]cb 'nk]gW\Yb 'Y]bYa 'DUggU[]YfZi [nYi ['i bX'Y]bYa

A]`]hÀf\i VgW\fUi VYf']b 'X]YgYf'K cW\Y'ghUhhZUbX'i bX'* +

A YbgW\Yb `YVYb 'ZcfXYfhY" '8]YgY '? c ``]g]cb 'k]fX'U`g'XUg'gW\k YfghY

: `i [nYi [i b[`ØW_']b 'XYb 'I G5 'qY]h'ZUgh'&) '\$\J\fYb 'Y]b[Yghi Zh"

±0 K Ug\]b[hcb k UfY]b 6ca VUfX]Yf 7F → \$\$ 'j cb 5a Yf]WUb 5]f`]bYg Ui g'K]W]hUž'? UbgUgž'a]h'* ('A YbgW Yb Ub 6cfX']b Y]bYb 6`UW_ < Uk _' < i VgW fUi VYf'_c``]X]Yfhž'XYf'XfY] 'Gc`XUhYb 'hfUbgdcfh]YfhY" 8 Yf 5 Vghi fn']a 'Dchca UWF]j Yf ZØ\fhY 'V]g\Yf'ni f'6Yf[i b['j cb a]bXYghYbg' (% @Y]W bUa Ybž'k]Y 'HU[YggW Ui 'VYf]W hYh" I bhYf XYb 'C dZYfb 'VYZ]bXYb 'g]W 'i "U"'9]g_i bgh`Ài ZYf'i bX 'XYfYb 5b[Y\Òf][Y"

9fa]hh`i b[Yb i b X 5i gk]f_i b[Yb

8]Y: YXYfU``5j]Uh]cb`5Xa]b]ghfUh]cb`fl 55£`\Uh`Ub[Y_ØbX][hž ni gUa a Yb`a]h`XYa `BUh]cbU``HfUbgdcfhUh]cb`GUZYhm`6cUfX fBHG6Ł'9fa]hh`i b[Yb`ni a `5Vghi fn`]b`D\]`UXY`d\]U`Y]bni `Y]hYb"; `Y]W\nY]h][`k]fX`X]Y`² ZZYbh`]W_Y]h`ØVYf`X]Y`A Ò[`]W_Y]h ni gÀhn`]W\Yf`6cXYbcdZYf`]bZcfa]Yfhž`XU`NYi [Yb`VYf]W\hYhYbž`HY]`Y j cb`@Y]W\bUa Yb`]b`XYf`BÀ\Y`XYg`K fUW_g`[YgY\Yb`ni `\UVYb"`8Ug HfU[ÒX]Y`]b`D\]`UXY`d\]U`i bX`X]Y`j cfUb[Y[Ub[YbY`?c``]g]cb ghY``Yb`YfbghY`: fU[Yb`ni f`G]W\Yf\Y]h`]a `@ Zhj Yf_Y\f`i bX`XYf BchZU``a YX]n]b`]b`XYb`I G5`XUf"

8]Y '9fY][b]ggY 'XYf'`YhnhYb 'HU[Y '\UVYb 'X]Y 'B Uh]cb 'ghUf_'VYhfc ZZYb i bX 'XUg '6Yk i gghgY]b 'ZØf'X]Y 'F]g]_Yb 'XYg'@ Zhj Yf_Y\fg'[YgW\ÀfZh'' 8]Y 'HfUi Yf'i bX '6Ygcf[b]g 'XYf'6Øf[Yf'g]bX 'Ybcfa ž'k À\fYbX'g]Y Ui Z'BYi][_Y]hYb 'ØVYf'X]Y '9fa]hh`i b[Yb 'i bX 'X]Y 'a O()']W\Y \Rightarrow Ybh]Z]n]Yfi b['XYf'CdZYf'k UfhYb''' \Rightarrow b 'X]YgYf'Ub[YgdUbbhYb 'NY]h k]fX 'XUg'5i [Yba Yf_'Ui Z'X]Y 'G]W\Yf\Y]h`]a '@ Zhj Yf_Y\f'[Y`Y[h''

J cfZU``	: `i [nYi [UVghi fnž'?c``]g]cb
I fgUWX Y	D]`chZY\`Yfž'hYW\b]gW\Y'GhÒfib[
Cfh	D\]`UXY`d\]Už'I G5
EiY``Yb	• k k k "U`^UnYYfU"Wca
	• k k k "XU]`m[UnYhhY"Wca
	• kkk"hU[YggWXUi"XY

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