

I bhYfU``[Ài 'Yf`YVh'YI hfYa Y'<]hnY'a]h'HYa dYfUhi fYb'V]g'ni (\$'; fUX"'K YhhYfk Ufbi b[Yb'i bX'; Ygi bX\Y]hgh]ddg'Z \emptyset f 6 \emptyset f[Yf"



 $5b[Yg]Wkhg"XYf"ibYfhfÅ[`]WkYb" <]hnY" \ Uh"CVYfVØf[YfaY]ghYfGhYZUb"; ØbhYf"ni[Y[YVYbž"XUgg"Yf"($"; fUX"b]Wkh"UigghY\Yb_Ubb"" <math>\Rightarrow$ Wk"ZØ\`Y"a]Wk"VY]"&)"V]g" &"; fUX"Ua"kc\`ghYb ž"Åi » YfhYYf""5``YfX]b[q'V`Y]Vh'X]Y"\]hn][Y"Gh]aaib["b]Wkh"c\bY": c`[Yb""5a

5VYbX`XYg`&"`¬i``)`nc[Yb`\YZh][Y`IbkYhhYf`ØVYf`6UmYfbž'jcf`U``Ya]b`KY]»YbVif[ž'kc'?Y``Yf`ØVYfZihYh`kifXYb"

K Ufbi b[Ybii bX'9a dZY\\ii b[Yb

8]Y`\]hn][Yb`HU[Y`Vf]b[Yb`b]W\h'bi f`Yl hfYa Y`HYa dYfUhi fYb`a]h g]W\ž`gcbXYfb`Ui W\; YZU\fYb`k]Y`Ghi fa VÒYb`i bX`GhUf_fY[Yb" 8Yf`8Yi hgW\Y`K YhhYfX]Ybgh`f8K 8Ł`\Uh`k Y[Yb`XYf`<]hnY`VYfY]hg K Ufbi b[Yb`Ui g[Y[YVYbž`]bgVYgcbXYfY`ZØf`XYb`BcfXk YghYb 6UmYfbgž`k c`ØVYf`'\$; fUX`Yfk UfhYh`k YfXYb"`@Ui h`N8: `[]Vh`Yg nk Y]`K Ufbghi ZYb.`GhUf_Y`K Àfa YVY`Ughi b[`fGhi ZY`%Łž`X]Y VYgcbXYfY`Jcfg]W\hga U» bU\a Yb`Ya dZ]Y\`hž`i bX`Yl hfYa Y K Àfa YVY`Ughi b[`fGhi ZY`&Łž`X]Y`VYgcbXYfg`UbZÀ``][Y`A YbgW\Yb k]Y`À`hYfY`DYfgcbYb`i bX`JcfYf_fUb_hY`]a '6`]W_`\Uh"

5i » YfXYa 'fÀh'XYf'8 K 8 ž'g]W\ ']b 'XYf'A]hhU[g\]hnY 'b]W\ h']a ': fY]Yb Ui Zni \U`hYb'i bX'GcbbYbgW\i hn'a]h'@]W\ hgW\i hnZU_hcf'' \$'ni j Yfk YbXYb"'8]Y'I J!GhfU\`i b[']gh'XUVY]'i bUV\Àb[]['j cb'XYf HYa dYfUhi f'_fYVqYffY[YbX"

: c`[Yb'ZØfBUhifibX; YgibX\Y]h

8]Y'ghY][YbXYb'HYa dYfUhi fYb'i bX'X]Y'HfcW_Yb\Y]h'VY`UghYb
Ui WX'X]Y'BUhi f'Yf\YV`]WX"'8]Y'K U`XVfUbX[YZU\f'k]fX'`Ui h'8K 8']b
XYb'_ca a YbXYb'HU[Yb'ghUf_'UbghY][Yb"'5b'j]Y`Yb'CfhYb']b
6UmYfb'k]fX'X]Y'\OWXghY'Ghi ZY'YffY]WXh'''CZZYbYg': Yi Yf'cXYf
[`]a a YbXY'N][UfYhhYb'_ObbYb'ZUhU`Y': c`[Yb'\UVYb"'+b'i fVUbYb
; YV]YhYb'k]Y'BØfbVYf['a UWXh'g]WX'X]Y'<]hnY'VYgcbXYfg'bY[Uh]j
VYa Yf_VUf"'6Øf[Yfa Y]ghYf'7\f]gh]Ub'Jc[Y``fi Zh'X]Y'6Yj O`_Yfi b[
XUni 'Ui Zž'6Ài a Y']b'XYf'GhUXh'fY[Y`a À»]['ni '[]Y»Ybž'i a 'X]Y
\]hnYVYX]b[hYb'GWXÀXYb'ni 'a]b]a]YfYb"

8 Yf'6i bXYgi a k Y`ha]b]ghYf'7 UfghYb'GW\bY]XYf'ZcfXYfh'\]hnY!'i bX
_`]a U[YfYW\hY'l a VUi hYb']b'XYb'GhÀXhYbži a 'XYb': c`[Yb'XYg
?`]a Uk UbXY`g'VYggYf'Ybh[Y[YbhfYhYb'ni '_ObbYb"'8]Yg'VY]b\U`hYh
i bhYf'UbXYfYa 'a Y\f'6Ài a Y'i bX'k Yb][Yf'] Yfg]Y[Y`hY': `ÀW\Yb"

CUgYb XYf 9f\c`i b[

6UmYfb 'VYfY]hYhig]W igca]hiUi ZiY]bYik U\f\UZh][Yi<]hnYk Yiiyij cfž X]Yib]W hibi fiX]YiHYa dYfUhi fYbžigcbXYfb 'Ui Wii bgYfiJ Yf\UihYb i bXii bgYfY; Ygi bX\Y]hiUi ZiX]YiDfcVYighYiiYbik]fX"i6iY]VYbiG]Y _Ø\ižhf]b_YbiG]YiUi gfY]W YbXii bXigi WYbiG]YiGW i hnžik ci]a a Yf Ygia Ò[i]Wii]gh

8 Y hU]`g	
Cfh	KY]» YbVif[ž'8 YihgW\`UbX
EiY``Yb	k k k "cd!cb`]bY"XY
	• k k k "nXZ\Yi hY"XY
	• k k k "Vf"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z 'b U[!V UmY fb "X Y