

## 5gm`nU\`Yb`]b`XYf`CVYf`Ui g]hn. '9]b FØW\_[Ub['a]h'?cbgYei YbnYb°



6Ui hnYbži8Yi hgW `UbX'! K Ugʻ[Y\ha ca YbhUb']bʻXYf
CVYf`Ui g]m3' ± XYb``YhnhYbʻA cbUhYbʻ\Uhʻg]W X]YʻG]hi Uh]cbʻfi bX
i a '5gm`VYk YfVYfʻ]bʻGUW gYbžii bXʻ]bgVYgcbXYfYʻ]bʻXYb
@UbX\_fY]gYbʻ6Ui hnYbʻi bXʻ; Òf`]hnžYbhgWXY]XYbXʻj YfÀbXYfh''8]Y
NU\`YbʻnY][YbʻY]bYbʻ\_`UfYbʻFØW\_[Ub[XYf`Ub\_ca a YbXYb
5gm`VYk YfVYfž'k UgʻX]Yʻ@UbXYgX]fY\_h]cbʻGUW gYbʻf@8GŁUi W
VYghÀh][h''8]Ygʻ]ghY]bʻ9f[YVb]gʻXYf`UVʻC\_hcVYf`&\$&'
Y]b[YZØ\fhYbʻ; fYbn\_cbhfc``Ybʻ]bʻ8Yi hgWX`UbXžX]YʻUbʻj ]Y`Yb
GhY``YbʻgdØfVUfYʻ5i gk ]f\_i b[Ybʻ\]bhYf`UggYb`\UVYb''`@Ui h`
GÀWX g]gWX Y''XY``YVhYbʻ]a 'Jbi Ufʻ&\$&) `bcWX`&'' , &ʻ5gm`VYk YfVYf
]bʻXYbʻgÀWXg]gWXYbʻ5i ZbU\a YY]bf]WXhi b[Ybžk À\fYbX`YgʻXYfnY]h
bi f`bcWX`%''-) + g]bX''

## I bhYfVf]b[i b[gg]hi Uh]cb

K ]Y g]Y\h'Yg'U\_hi Y```a ]h'XYf'I bhYfVf]b[i b[ 'XYf'5gm`VYk YfVYf Ui g3'8]YgY'k YfXYb'[fÒ» hYbhY]`g']b; Ya Y]bgW\UZhgi bhYf\_ØbZhYb i bX'XYnYbhfU``]b'K c\bi b[ Yb'i bhYf[ YVfUW\h''' \deq b'VY]XYb @UbX\_fY]gYb'ghY\Yb'a Y\fYfY'<i bXYfh'D`ÀhnY'`YYfž'k Ug'VYXYi hYhž XUgg'Yg'hUhgÀW\`]W\'F Ui a '[ ]Vh''5``YfX]b[ g'\Uh'XYf'@UbX\_fY]g 6Ui hnYb'VYfY]hg'XUg'5gm`\Y]a ']b'B]YXYf[i f][ '[ YgW\`cggYb'i bX d`Ubhž'XUg'GdfYY\chY`']a '<YfVgh'&\$&) 'Ui Zni `ÒgYb''5i W\'X]Y; Ya Y]bgW\UZhgi bhYf\_i bZh'6cl VYf[']a '@UbX\_fY]g'; Òf`]hn'gc```]a 5df]`#\U]'&\$&\* [ YgW\`cggYb'i bX'j Yf\_Ui Zh'k YfXYb'''9]b'k Y]hYfYg 5gm`\Y]a ']b'K Y\fgXcfZ'k i fXY'VYfY]hg'Ui g'\m[ ]Yb]gW\Yb'; fØbXYb [ YgW\`cggYb''

 $8 ]Y ; fØbXY ZØf X]YgY GWX `]Y * i b [Yb 'g]bX 'i bØVYfgY \ VUf. '8 Yf @UbX_fY]g'; Õf `]hn 'd `Ubh'_Y]bY '9fk Y]hY fi b ['XYf 'D`ÀhnY ']b 'XYf 5gm `i bhYf_i b Zh']b 'B ]Yg_m `XU 'XYf 'fØW_ `Ài Z][Y 'HfYbX 'XYf 5gm `VYk YfVYfnU\ `Yb 'g]WX 'ghUV] `]g]Yfh `\ Uh'' '9]b 'XYi h `]WX Yf <math display="block">FØW_[Ub[']b 'XYf 'XYnYbhfU `Yb 'I bhYfVf]b[i b[gei chY']b 'GUWXgYb]gh YVYbZU ``g'ZYghni ghY ``Yb Z']b '6Ui hnYb 'VYhfA[h'X]YgYf 'bi f' &$Z'+1 Z k Ug'XYf 'GWX `i gg`]WX hd `Uhn']b 'GUWXgYb 'VYXYi hYhZ'k À\fYbX 'XYf 9fn[YV]f[g_fY]g'bc WX 'U'g'@]WX hV`]W_'[]`hZ'k ]Y 'X]Y '\DZcfa Uh]cbYb XYg' GÀWX g]gWX Yb': `ØWX h`]b [gfUhg'nY][Yb''$ 

## Dc`]h]gWXY'<U`hi b[Yb'i bX'DYfgdY\_h]jYb

 $\label{eq:decomposition} Dc`]h]gWX`[\ ]Vh`Yg`YVYbZU``g`i\ bhYfgWX\ ]YX`]WXY`5bg]WX\ hYb`ni\ f$ 

: Øf'X]Y Yb][ Ybž'X]Y X]Y NU\ Yb'i bX'GhUh]gh]\_Yb']a '< ]bhYf[ fi bX j YfZc`[ Yb'k c``Ybž'j YfnY]W\bYh'XUg'6i bXYgUa h'ZØf'A ][ fUh]cb i bX': `ØW\h`]b[ Y'f65A: Ł'Y]b][ Y']bhYfYggUbhY'HfYbXg"'K À\fYbX ]a 'YfghYb'E i UfhU`'&\$&( 'X]Y'5VgW\]YVi b[ Yb'k ]YXYf'Ub[ Ygh]Y[ Yb g]bXž'a i gg'Ui W\'Ui Z'X]Y'gcn]U`Y'G]hi Uh]cb'XYf'5gm`VYk YfVYf [ YUW\hYh'k YfXYb. '&\$&' 'k i fXYb', 'Xc\_i a Ybh]YfhY'Gi ]n]XY'i bhYf ; YZØW\hYhYb'j YfnY]W\bYhž'k Ug'U`Ufa ]YfYbX']gh'i bX'Ui Z'X]Y XfÀb[ YbXYb'< YfUi gZcfXYfi b[ Yb'\]bk Y]ghž'j cf'XYbYb'j ]Y`Y'X]YgYf A YbgW\Yb'ghY\Yb"

8 YhU]`g	
Cfh	6UihnYbž'8YihgW\`UbX
Ei Y``Yb	<ul> <li>k k k "gUYWX g]gWX Y"XY</li> </ul>
	<ul><li>k k k "gUYWX g]gWX Yf!</li></ul>
	Z`i YWX h`]b[ gfUh"XY
	• k k k "VUa Z"XY

6 Ygi W Yb 'G]Y 'i bg 'Ui Z 'b!U[ "bYh