

## 6`i h][ Yf'GhfY]h']b'K ]Yb. HYYbU[ Yf VYXfc\h'Gh]YZj UhYf'a ]h'? `Udda YggYf°

⇒ : `cf]XgXcfZžK ]YbžYg\_U`]YfhY`Y]b`GhfY]h`i a `Y]bYi bVYnU\`hY`HUI]!FYW\bi b[ž'U`g'Y]b'%,!À\f][Yf'gY]bYb Gh]YZj UhYf'a]h`Y]bYa `?`Udda YggYf'VYXfc\hY"



: `cf]XgXcfZřK ]Ybž'² ghYffY]WX ! '\\ TYb `ZfØ\Yb `A cf[Ybghi bXYb XYg `&&" \dark b] `\&\$&) `\_Ua `Yg `]b `Y]bYf `K c\bi b[ `]b `K ]Yb!: `cf]XgXcfZ ni `Y]bYa `\YZh][Yb `J cfZU``nk ]gWXYb `Y]bYa `\%, ! '\A\f][Yb \dark f][Yb \dark f][Yb \dark f][Yb `\dark f][Yb `\dark

;  $\hat{W}_{j}WXYfkY]gYV^{j}YVXYf'($!A\f][Y'ibjYfYhnhžXcWXX]Y^Dc^]nY]$  a i gghY'i bjYfnØ[`]WX^\UbXY`b"^8Yf'%, !A\f][Y'k i fXY'j cf`Ai Z][

ZYgh[Ybca a Ybii bXig]Y\hig]W\ibi b Yfbgh\UZhYb 5bgW\iiX][ib[Yb [Y[YbØVYf.iibhYf'UbXYfYa k Y[Ybi[YZÀ\fi]W\Yf'8fc\ib[ibX j Yfgi W\hYf'gW\k YfYf'? OfdYfj Yf`Yhni b["BYVYb XYf": YghbU\a Y k i fXYb Ui W\iA U» bU\a Yb k]Y Y]b 6YhfYhi b[g! ibX 5bbÀ\Yfi b[gj YfVchigck]Y Y]b j cf`Ài Z][Yg K UZZYbj YfVch Ui g[YgdfcW\Yb"8Yf'\$ [YbX`]W\Y'k i fXY Ui Z'5bcfXbi b[ XYf GhUUhgUbk U`hgW\UZh`]b Y]bY \$\frac{1}{2}\$ gh]nUbghU`h'ØVYfghY``hž'k]Y gck c\`` ) a ]b "Uh'U`g'Ui W\i< Yi hY VYf]W\hYb"

## $i = (YbX_f]a bU^hhh'b'K Yb'a c_i g$

8]Y \*\* [YbX\_f]a ]bU`]hÀh`]gh'Y]b \*j ]Y`gWX]WX h][Yg`H\Ya Už`XUg`Ui WXXYb`dc`]h]gWXYb`8]g\_i fg`VYY]bZi ggh" \*\*b`K ]Yb`gh]Y[`X]Y`NU\``XYf 5bnY][Yb`&\$&'`i a `ØVYf`%\$ž,i `]a `JYf[`Y]WX`ni a `Jcf'U\f" Dc`]h]gWXY`JYfhfYhYfž`k]Y`XYf`K]YbYf`: D²!7\YZ'8ca]b]\_`BYddž VYhcbYb`X]Y`BchkYbX][\_Y]h`Y]bYf`FYZcfa `XYf`GhfUZa ØbX][\_Y]h`i bX`ZcfXYfb`Y]bYb`\ÀfhYfYb`?i fg`]b`XYf`Ni kUbXYfi b[gdc`]h]\_"?Uf``AU\fYfž`XYf`²JD!7\YZ']b`K]Ybž`\_f]h]g]Yfh`X]Y`U\_hi Y``Yb Gcn]U``Y]ghi b[Yb`U`g`5bfY]n`ZØf`?f]a]bU`]hÀh`i bX`gYhnh`g]WX`ZØf dfÀj Ybh]j Y`AU» bU\aYb`Y]b"

8]Y'GhUh]gh]\_Yb'nY][Yb'XYi h`]W\ž'XUgg'X]Y'< YfUi gZcfXYfi b[ž'j cf XYf'X]Y'GhUXh'ghY\hž'b]W\h'bi f'Xi fW\'9]bnY`Z\``Y'k]Y'XYb'[Yghf][Yb J cfZU``'[Ydf\[h']gh"'9]b'YbhgW\Y]XYbXYg'H\Ya U'V`Y]Vh'X]Y Df\[harrow] Ybh]cbž'i a '\h'b[Y'A YbgW\Yb'j cb'GhfUZhUhYb'UVni \U`hYb'i bX X]Y'; YgY``gW\UZh'ni 'gW\ØhnYb"

 $8 ]Y'k Y]hYfYb'9bhk ]W_ib[Yb'fibX'ia'X]Y'5b_iU[Yb'[Y[Yb'XYb', !\wideta\cdot f]] yb'ibX'X]Y'dc']h]gWXYb'FYU_h]cbYb'UiZ'X]Y'k UWXgYbXY <math display="block"> \Rightarrow [YbX_f]a]bU']hAh']b'K]Yb'V'Y]VYb'gdUbbYbX'ibX'jcb'[fc\wideta Ya\wideta hYfYggY'ZØf'X]Y'OZZYbh']WXYb'8]g_igg]cbYb'XYf'_caa YbXYb K cWXYb''$ 

8 Y hU]`g	
Cfh	: `cf]XgXcfZžK ]Ybž <sup>2</sup> ghYffY]WN
EiY``Yb	• k k k ") a ]b"Uh
	• k k k "\ Yi hY "Uh
	• _i f]Yf"Uh

6Ygi WXYb G]Y i bg Ui Z. a Y]b!k ]Yb bYh