

6Ui UfVY]hYb 'Ui Z'XYf'G!6U\b. '5i gZÀ``Y i bX'9fgUhnVi ggY']b 'GW\ ObYk Y]XY°

G!6U\b'6Yf`]b'_ØbX][h'6Ui UfVY]hYb'j ca '("'V]g'+"'\$\;`]'&\$&) Ubž'X]Y'XYb'Ni [jYf_Y\f'Ui Z'ZØbZ'@]b]Yb'VYY]bhfÀW\h][Yb" 9fqUhnVi qqY'qhY\Yb'VYfY]h"



GWN Obyk Y]XYž8Yi hgWN `UbX '! + XYb'_ca a YbXYb'K cWNYb a ØggYb'g]WN X]Y': U\f[AghY XYf'G!6U\b'6Yf`]b'Ui Z'Y]b][Y YbXYfi b[Yb']a 'Ni [j Yf_Y\f'Y]bghY``Yb''5V': fY]hU[ž'XYb'("' * ` `) i a &% () 'I \f'V]g'A cbhU[ž'XYb'+"'* i `]'i a '% ' \$ 'I \fž'k YfXYb'Ui Z[fi bX j cb'6Ui UfVY]hYb'Ui Z'ZØbZ'G!6U\b!@]b]Yb'Yf\YV`]WN Y 9]bgWN fAb_i b[Yb'Ui ZhfYhYb''8]Y'A U» bU\a Yb'_cbnYbhf]YfYb'g]WN Ui Z'XYb'6YfY]WN 'XYg'G!6U\b\cZg'GWN ObYk Y]XYž'k c'Y]b'bYi Yg Y'Y_hfcb]gWN Yg'GhY``k Yf_']bghU``]Yfh'k]fX'''8]Yg'i a ZUggh'X]Y 9ff]WN hi b['j cb': i bXUa YbhYb'ZØf'G][bU`Yž'? UVY`j Yf`Y[i b[Ybž'; `Y]gei Yfi b[Yb'gck]Y'XYb'9]bVUi 'j cb'K Y]WN YbgWN `Y]ZYbž'k]Y' VYf`]b!`]j Y''XY VYf]WN hYh"

 $: \varnothing f^*X]Y^*VYhfcZZYbYb^*G!6U\b!@]b]Yb^*G()\check{z}^*G(*\check{z}^*G,\check{z}^*G,)^*ibX^*G-^*]gh$

 $Y]bY'j c``ghÀbX][Y'l bhYfVfYWi b['XYg'Ni [j Yf_Y\fg'nk]gW.Yb GW.ObYk Y]XY'i bX'; fØbUi 'gck]Y'; fØbVYf[U``YY'bchk YbX]["'l a XYb'DUggU[]YfYb'XYbbcW. 'Y]bY'A O[`]W._Y]h'ni 'V]YhYbž']\fY'N]Y'Y ni 'YffY]W.Ybž'k i fXY'Y]b'9fgUhnj Yf_Y\f'a]h'6i ggYb'Y]b[Yf]W.hYh'' Gc'j Yf_Y\fh'Y]bY'9fgUhnVi g`]b]Y'ZØf'X]Y'G(* 'nk]gW.Yb GW.ObYk Y]XY'i bX'; fØbUi "'8UVY]'\U`hYb'X]Y'6i ggY'Ub'XYb <U`hYghY``Yb'GhYfbXUa a 'fG!6U\b\cZ'GW.ObYk Y]XYŁŽ'K U[bYf! FÅ[Ybm!5``YY'fk:\Ubb]gh\U`ŁŽ'Fi Xck Yf'7\Ui ggYY'fbX`Yfg\cZŁ'i bX F]W.hYfghfU» Y'fl fØbUi Ł'': Øf'X]Y'G- '[]Vh'Yg'ni gÀhn`]W.' < U`hY']b'XYf 9k U`XghfU» Y'i bX'5`h[`]Yb]W_Y''$

⇒b Zcfa Uh]cbYb ni a '9fgUhnj Yf_Y\f

8]Y: U\f[AghY:g]bX:Ui Z[YZcfXYfhž:g]WX:j cfUV:ØVYf:X]Y:Fci hYb:]b XYf:G!6U\b!5dd:cXYf:Xi fWX:5i g\Ab[Y:ni:]bZcfa]YfYbž:XU:ni a NY]hdi b_h:XYf:6Yf]WX hYfghUhhi b[:_Y]bY:U_hi U`]g]YfhYb : U\fd`UbXUhYb:]b:XYf:: U\fd`UbUi g_i bZh;j cf\UbXYb:g]bX":H]W_Yhg ZØf:X]Y:9fgUhnVi ggY:a ØggYb:j cf:: U\fhUbhf]hh:[Y_Ui Zh:k YfXYbž:XU]b:XYb:6i ggYb:_Y]bY:: U\fgWXY]bY;j Yf_Ui Zh:k YfXYbž:k]Y:Ui Z:gVU\b"VYf`]b:ni :`YgYb:]gh"

Ni gàhn`]W\ni `XYb`cVYb`[YbUbbhYb`9]bgW\fàb_i b[Yb`g]bX k Y]hYfY`6Ui ghY``Yb`]a `BYhn`XYf`6Yf`]bYf`G!6U\b`VY_Ubbh"I bhYf UbXYfYa `_ca a h`Yg`YVYbZU``g`ni `JYfgdàhi b[Yb`i bX`ŸbXYfi b[Yb nk]gW\Yb`K UfgW\Ui Yf`GhfU»Y`i bX`K Ygh_fYi nž`gck]Y`]a `5VgW\b]hh HY`hck `GhUXh`V]g`@Ub_k]hn"I bX`Ui W\`]b`UbXYfYb`6YfY]W\Yb`k]fX Ygžj cf`U``Ya `nk]gW\Yb`XYa `("'*\`]`i bX`XYa `+"'*\`]ž`ni j YfgW\]YXYbYb`9]bgW\fàb_i b[Yb`_ca a Ybž`X]Y`X]Y`: U\f[AghY VYfØV_g]W\h][Yb`gc``hYbž'k]Y`j VV"XY`VYf]W\hYh"

8]Y; VYfg]WkhrØVYf'U``Y'6Ui a U» bU\a Yb'XYf'_ca a YbXYb'%\$
K cWkYb']gh'Ui Z'XYf'K YVg]hY'ghfYW_Yb!]bZc"XY'j YfZØ[VUf"'8cfh
Z]bXYh'a Ub'U``Y'k]Wkh][Yb'\delta Zcfa Uh]cbYb'ni 'NY]hfUi a ž'5fh'XYf
9]bgWkfÀb_i b[Yb'i bX'j]Y`Yb'k Y]hYfYb'8YhU]`gž'X]Y'ZØf'X]Y
Bi hni b['XYg'J Yf_Y\fg'k]Wkh]['g]bX"'8]YgY'A U» bU\a Yb'g]bX'HY]`
XYf'_cbh]bi]Yf`]WkYb'6Ya Ø\i b[Yb'XYf'G!6U\bž'X]Y'\delta ZfUghfi _hi f
ni 'a cXYfb]g]YfYb'i bX'ni 'j YfVYggYfbž'Ui Wk'k Ybb'g]Y'a ca YbhUb
Y]b][Y'I bUbbY\a`]Wk_Y]hYb'ZØf'X]Y': U\f[ÀghY'a]h'g]Wk'Vf]b[Yb

8 Y hU]`g	
Cfh	GWX ÒbYk Y]XYž'8Yi hgWX`UbX
EiY``Yb	• k k k "VYf`]b!`]j Y"XY
	• gVU\b"VYf`]b
	• k k k "j VV"XY

 $6\,Y\,gi\ W\!\!X\,Y\,b\,{}^*\!G\,]Y\,{}^*\!i\ b\,g\,{}^*\!Ui\ Z.\,{}^*\!b\,!\,U\,[\,\,"b\,Y\,h\,]$