

6`i h][Yf'A YggYfUb[f]ZZ']b'Gc`]b[Yb. 'B Yi b CdZYf'XYf'< Ugg[Yk U`h°

9fZU\fYb'G]Y'a Y\f'ØVYf'XYb'5bgh]Y['fYWXhgYl hfYa Yf'; Yk U`h]b'8Yi hgWX`UbXž'dc`]h]gWXY'9bhk]W_`i b[Yb'i bX'fUgg]gh]gWXY Ghfi _hi fYb']a '划\f'&\$&)"



 $8 \ Yf'A \ YggYfUb[f]ZZ']b'Gc`]b[Ybž'XYf']a'5i[igh'&$&(`ghUhhZUbXžZØ\ YhY'ni'iaZUb[fY]WXYb'dc`]nY]`]WXYb'IbhYfgiWXib[Yb''@Uih'Dc`gUh'BYk g'ghY``hY'g]WX'XYf'&*!'A\f][Y'JYfXAWXh][Y'XYf'Dc`]nY]žk A\fYbX'Y]bY'nk Y]hY'DYfgcb']b'Y]bYa'bU\Y[Y`Y[YbYb:`ØWXh`]b[g\Y]a'ZYgh[YbcaaYb'kifXY''8]YgY': YghbU\aYb$

Zc`[hYb`Y]bYf`[fc» `Ub[Y`Y[hYb`dc`]nY]`]W\Yb`CdYfUh]cb`]b

8 ØggY`XcfZži a `X]Y`<]bhYf[fØbXY`XYg`JYfVfYW\Ybg`ni `_`ÀfYb"`6Y]

XYa `5b[f]ZZ`ghUfVYb`nk Y]`A ÀbbYf`ff* + `i bX`) * `\$U\fY`U`hŁ`gck]Y

Y]bY`) *!^À\f][Y`: fUi ž`k À\fYbX`UW\h`k Y]hYfY`DYfgcbYbž`XUfi bhYf
j]Yf`gW\k Yfž'j Yf`Yhnh`k i fXYb"`9]bY`J]Y`nU\``k Y]hYfYf`6Ygi W\Yf

XYg`GhUXhZYghYg`Yf`]hhYb`dgmW\]gW\Y`HfUi a UhU"

<]bhYf[fØbXY i bX A ch]j Y</pre>

 $8]Y `9fa]hh`Yf`[Y\Yb`XYa`Ach]j`XYg`5b[f]ZZg`bUW\ž`kcVY]`Y]b$ $a \ O[`]W\& hYffcf]gh]gW\& Yg`Ach]j`b]W\& h`Uig[YgW\&`cggYb`kYfXYb`_Ubb" 8 Yf`\sq`Ua]gW\& Y`GhUUh`VY_UbbhY`g]W\& `ni`hUh`ibX`VYnY]W\& bYhY`XYb JcfZU```U`g`FUW& Y`ZØf`Aig`]aY`]b`DU`Agh]bU`"8]Y`Dc`]nY] VYghAh][hYž`XUgg`XYf`HAhYf`U`g`Gc`XUh`XYg`\sq`VYgW&f]YVYb kifXYž`kUg`X]Y`8]g_igg]cb`ia`X]Y`IfgUW&Yb`jcb';YkU`h`ibX FUgg]gaig`]b`8YihgW&`UbX`YfbYih`YbhZUW&h`\Uh"$

FUgg]ga i gʻ]bʻ8 Yi hgWX`UbXʻYfa Ò[`]WXhʻYgʻYXcWXʻb]WXhʻbi fʻHÀhYfbž; Yk Uʻhʻni ʻʻY[]h]a]YfYbžʻgcbXYfbʻnY][h'Ui WXʻh]YZʻj Yfk i fnYʻhY
[YgY``gWXUZh`]WXYʻDfcV`Ya YʻUi Zʻʻ@Ui hʻA YX]YbX]Ybgh

-bhY[fUh]cbʻ\UhʻFUgg]ga i gʻ]bʻ8 Yi hgWX`UbXʻY]bYʻ`Ub[Y
; YgWX]WXhYžʻX]YʻghUf_ʻa]hʻXYa ʻBUh]cbUʻgcn]Uʻ]ga i gʻj YfVi bXYb
]ghžʻYXcWXʻ_Y]bʻGmbcbma ʻZØfʻFYWXhgYI hfYa]ga i gʻXUfghY``hʻʻ8]Y
[YgY``gWXUZh`]WXYbʻ8]g_i gg]cbYbʻØVYfʻFUWJU``DfcZ]`]b[ʻi bX
]g`Ua ZY]bX`]WXYʻGhfUZhUhYbʻ\UVYbʻ]bʻXYbʻ`YhnhYbʻXU\fYb
ni [Ybca a Ybʻi bXʻj YfXYi h`]WXYbž'k]Yʻghfi _hi fY``YfʻFUgg]ga i gʻ]b
j YfgWX]YXYbYbʻ@YVYbgVYfY]WXYbʻUi Zhf]hhʻ

5_hi Y``Y'[YgY``gWX UZh`]WX Y'9bhk]W_`i b[Yb

 $8]Y'K U `Yb']b'Dcfhi [U`'j YfXYi h`]WXYb'X]Y'dc`]h]gWXY'Gh]a a i b[']b 9i fcdU'''8]Y'_cbgYfj Uh]j Y'?cU`]h]cb'i bhYf'@i fgU'A cbhYbY[fc Yf\cV'' &ž+ı 'XYf'Gh]a a Ybž'k À\fYbX'X]Y'gcn]U`]gh]gWXY'DUfh]Xc GcW]U`]ghU'a]h'&' <math>\check{z}(\iota 'XYb'gWX'YWXhYghYb'K Yfh'gY]h'%-, + 'Yfn]Y`hY'' ; `Y]WXnY]h]['YffY]WXhY'X]Y'fYWXhgdcdi `]gh]gWXY'DUfhY]'7\Y[U'Y]b FY_cfXYf[YVb]g'j cb'&&ž*ı ''$

±0.6Yf`]b'ZcfXYfb'X]Y'; fØbYbžX]Y': Y]Yf`]WX_Y]hYb'ni a 'FUa UXUb

]a '[YgUa hYb'GhUXh[YV]Yh'Ub[Ya YggYb'ni 'i bhYfghØhnYbžk Ug YfbYi h'dc`]h]gWXY'8YVUhhYb'Ui g`ÒgYb'_ÒbbhY"'Ni [`Y]WX'gcf[h'Y]b < chY``]b' ₺[c`ghUXhžXUg']b'Y]b': `ØWXh`]b[g\Y]a 'ZØf'dgmWX]gWX VY`UghYhY'A][fUbhYb'i a [Yk UbXY`h'k i fXYž'ZØf'[fc»Y'Gcf[Y']b'XYf 5bk c\bYfgWXUZh"

±b`Y]bYa`kY]hYfYb`VYaYf_YbgkYfhYb`: U```kifXY'; ÅfUfX 8YdUfX]Yi`kY[Yb`gYliY``Yf`6Y`Àgh][ib[`gWki`X][`[YgdfcWkYb ibX`Yf\]Y`h'Y]bY`%, !acbUh][Y`6YkÀ\fib[gghfUZYž'kUg': fU[Yb`ni XYb`H\YaYb`AUWkh'ibX`A]ggVfUiWk`]bbYf\U`V`XYf`; YgY``gWkUZh UiZk]fZh"

8]Y'cVYb'[YbUbbhYb'JcfZÀ``Y'gd]Y[Y`b'X]Y'?cad`Yl]hÀh'XYf
U_hi Y``Yb'gcn]U`Yb'DfcV`YaY']b'8Yi hgW\`UbX'k]XYf"'8]Y'Ni bU\aY
j cb'fUgg]gh]gW\Yf'; Yk U`hž'X]Y'< YfUi gZcfXYfi b[Yb']a'6YfY]W\'XYf

\$\DhY[fUh]cb'gck]Y'X]Y'dc`]h]gW\Yb'GhfOai b[Yb'nY][Ybž'k]Y'gY\f
X]Y'; YgY``gW\UZh'[YZcfXYfh']ghž'Ub'Y]bYf'@Ogi b['ni 'UfVY]hYb"

8 YhU]`g	
J cfZU``	A YggYfUb[f]ZZ
I fgUWX Y	hYffcf]gh]gW\
Cfh	Gc`]b[Ybž'8Yi hgWX`UbX
J Y f`Y hnhY	,
: YghbU\a Yb	&
EiY``Yb	• k k k "i bgYf!a]hhY`Yi fcdU"Wca
	kkk"dc`gUhbYkg"d`
	a YX]YbX]Ybgh!]bhY[fUh]cb"XY

6Ygi WXYb G]Y i bg Ui Z b!U["XY