: `cf]XU': UWYg'<i ff]WUbY'GYUgcb I bdfYdUfYX.': YXYfU`'7i hg'FU]gY'5`Ufa

91 d`cfY`\ck`ZYXYfU``Wingthc`BC55`UbX': 9A5']a dUWh\iff]WUbY'dfYdUfYXbYgg']b'6fYj UfX'7ci bhm'Ua]X'Ub'UWh]j Y &\$&) 'gYUgcb"



6fYj UfX:7ci b hmž: `cf]XUž'I G5!!H\Y'\i ff]WUbY'gYUgcb']g
cZ]WJU``mi dcb'i gž'UbX: `cf]XU g'WcUghU``Wca a i b]h]Yg'UfY'VfUWJb[
h\Ya gY`j Yg'Zcf'k\Uh g'Ubh]WJdUhYX'hc'VY'Ub'UWh]j Y'gYUgcb''
<ck Yj Yfž'`cca]b['W' hg'hc'ZYXYfU``m'Zi bXYX'U[YbW]Yg'`]_Y'h\Y
BUh]cbU``CWYUb]WUbX'5ha cgd\Yf]W5Xa]b]ghfUh]cb'fBC55Ł'UbX
h\Y': YXYfU``9a Yf[YbWm'A UbU[Ya Ybh'5[YbWm'fl 9A 5Ł'\Uj Y'fU]gYX
dfYgg]b['WcbWYfbg'UVci h': `cf]XU g'\i ff]WUbY'dfYdUfYXbYgg'''5g
DfYg]XYbh'8cbU`X'Hfi a d'ghYYfg'g][b]ZJWUbh'Vi X[Yh'W' hg'h\fci [\
X]fYWh]j Yg'hc'9`cb'Aig_'UbX'h\Y'8YdUfha Ybh'cZ'; cj Yfba Ybh
9ZZJWJYbWm'fBC; 9Łž'k cff]Yg'UVci h'h\Y']a dUWh'cb'ZcfYWUgh]b['UbX
Ya Yf[YbWm'fYgdcbgY'UfY'[fck]b['`ci XYf''': `cf]XU'HcXUm'fYdcfhg
h\Uh'h\YgY'W' hg'h\fYUhYb'hc'Wca dfca]gY'h\Y'UWW' fUWm'cZ
\i ff]WUbY'hfUYWhcfm'dfYX]Wh]cbgž'`YUj]b['a Ubm'k cbXYf]b['UVci h

@cWU``k YUh\Yfa Ybž']bWi X]b['h\cgY']b'Gci h\:`cf]XUž'\Uj Y'WUgh Xci Vhg'cj Yf'h\Y]f'UV]`]hm'hc']bZcfa 'h\Y'di V`]WUWW fUhY`mž'[]j Yb h\Y'dchYbh]U``fYXi Wh]cb']b'Wf]h]WU``k YUh\Yf'XUhU'Xi Y'hc'ghUZZ]b[g\cfhU[Yg'fYgi `h]b['Zfca 'h\YgY'W' hg"'BC55'\Ug'U`fYUXm'U`YfhYX h\Y'di V`]Whc'Ub'Ygh]a UhYX'%\$'\i ff]WUbYg'cf][]bUh]b['Zfca 'h\Y5h`Ubh]Wh\]g'gYUgcbž'mYh'h\Y'bYWYggUfm'XUhU'hc'a U_Y'dfYW]gY dfYX]Wh]cbg'a Um'bch'VY'Uj U]`UV`Y"'H\Y'U[YbWng'WUdUV]`]h]Yg'\Uj YU`fYUXm'VYYb'gYj YfY`m'W\U``Yb[YXž'Ug'bchYX']b'MU`Y'7`]a UhY7cbbYWh]cbgž'k\YfY'ghUZZ]b['`cggYgž']bWi X]b['Z]f]b[g'UbXfYh]fYa Ybhgž'\Uj Y'fYbXYfYX'Uh'`YUgh'Y][\h'cZ'h\Y'%&&'BUh]cbU`KYUh\Yf'GYfj]W'fBK GŁ'cZZ]WYg'cdYfUh]cbU``m']a dU]fYX"

$GhUZZG\cfhU[YgUbXHY]f=ad]WUh]cbg$

GhUZZ]b['g\cfhU[Yg`\Uj Y`fYUW\YX`U`Wf]h]WU``dc]bh`Uh`BC55žk]h\
fY[i`Uf`i ddYf`U]f`VU``ccb`gci bX]b[gž'j]hU``Zcf`UWW fUhY`k YUh\Yf
ZcfYWUghgž`fYXi WYX`Uh`%, i `cZ'i ddYf`U]f`ghUh]cbg"'Gca Y``cWUh]cbg
UfY`Xck b`hc`WcbXi Wh]b['cb`mcbY`VU``ccb``Ui bW\`dYf`XUmcf`bcbY
Uh`U``"'H\Y`A]Xk Ygh`]g`dUfh]W'`Uf`m`gi ZZYf]b['Zfca 'XUhU``cggž'k\]W\
WUb`gYf]ci g`m`]a dUWh`ZcfYWUghg`Zcf`Vch\`h\Y`; i`Z`UbX`5h`Ubh]W
WcUghg"'H\]g`]g`XYYd`m`hfci V`]b['Ug`\i ff]WUbY`gYUgcb`cZZ]W]U``m
_]W_YX`cZZ`cb'\$bY`%`Ua]X`dfYX]Wh]cbg`cZ`UVcjY!UjYfU[Y`UWh]j]hm"

- A]Ua]ž:: @. '&) ı 'i bXYfqhUZZYX
- $\bullet \ ? \ Y \ m \ K \ Y \ g \ h \ \check{z} \ : \ @ \ `\%- \ \iota \ ' i \ b \ X \ Y \ f \ g \ h \ U \ Z \ Y \ X$
- HUa dU 6Umž: @ &-ı i bXYfghUZZYX
- \lumbda \www.gcbj]``Yz`: @ -ı i bXYfghUZZYX
- $\bullet \ \ 7 \setminus Uf`Yghcbž`G7.`\&\&\iota \quad i \ bXYfghUZZYX\\$
- K]`a]b[hcbžB7.'&% iibXYfghUZZYX
- BYk dcfhžB7. %(ı i bXYfghUZZYX
- 6cghcbž'A 5. '%-ı 'i bXYfghUZZYX
- BYk $^{\circ}$ Cf $^{\circ}$ YUbgž $^{\circ}$ @5. $^{\circ}$ cbY $^{\circ}$ YUXYfg $^{\circ}$]d $^{\circ}$ dcg]h]cb $^{\circ}$ ib $^{\circ}$ J $^{\circ}$ YX
- $\bullet @U_Y `7 \setminus Uf`Ygž'@5. `%) \ \iota \ `i \ b \ XYfghUZZYX \\$
- $7 cfdig'7 \f]gh]ž'HL.''% ibXYfghUZZYX$
- 6fck bgj]``Yž'HL.'-ı 'i bXYfghUZZYX
- $\bullet \ \mathsf{GUb} \ "\exists \ \mathsf{Ub} \ \underline{\mathsf{z}} \ "\mathsf{DF} . "\&\% \quad "\mathsf{i} \ \ \mathsf{b} \ \mathsf{XYfghU} \ \underline{\mathsf{ZZY}} \ \mathsf{X}$

5XX]b['Zi Y``hc`h\Y`Z]fYž: 9A 5`\UgʻgYYb`UʻghU[[Yf]b['' \$1 fYXi Wh]cb']b`Zi ``!h]a YʻghUZZž'Ugʻh\Ym'[fUdd`Y`k]h\`h\Y`]a d`]WUh]cbg cZ'UʻfYgW]bXYXʻghfUhY[]Wd`Ub`Zcf`X]gUghYfʻfYgdcbgY"'H\Y g][b]Z]WUbh`YI cXi gʻcZ'YI dYf]YbWXXʻdYfgcbbY``fU]gYgʻU`Ufa gʻUVci h h\Y`U[YbWmgʻUV]`]hm`hc`VY\Uj Y`YZZYWh]j Y`m`]b`Ya Yf[YbW]Ygž YgdYW]U``m`Ugʻh\Y`UWh]b[`W\]YZž'8Uj]X`F]W\UfXgcbž``UW_gʻUʻgc`]X VUW_[fci bX`]b`X]gUghYfʻa UbU[Ya Ybh"'\#b`Uʻa cj Y`h\Uh`\UgʻWUi gYX cb[c]b[`WcbWYfbž': 9A 5`\UgʻfYgW]bXYX`gYj YfU``hfU]b]b[`dfc[fUa g YggYbh]U``Zcf`YZZYWh]j Y`Ya Yf[YbWma UbU[Ya YbhifYgdcbgYg"

$H\setminus Y \cdot F \in UX \cdot 5 \setminus Y \cup X$

K]h\ 'h\ Y 'ZYXYfU`'[cj Yfba Ybh'dcg]h]cb]b['ghUhYg'hc'VYUf'a cfY fYgdcbg]V]`]hm']b'X]gUghYf'fY`]YZž'a Ubm'ghUhYg'Z]bX'h\ Ya gY`j Yg i bdfYdUfYXž'`UW_]b['h\ Y 'Vi X[YhUfm'U``cWUh]cbg'bYWYggUfm'hc \UbX`Y'h\ YgY'g\]Zhg"'5g'h\ Y 'X]gUghYf'XYWUfUh]cb'dfcWYgg'[fck g]bWfYUg]b[`m'Wca d`]WUhYXž'dfYX]Wh]cbg'cZ'XY`UmYX'cf'XYb]YX fYei Yghg'dc]bh'hc'gYf]ci g'j i `bYfUV]`]h]Yg']b'fYgdcbgY'ghfUhY[]Yg"

8YhU]`g	
Cfh	6fYj UfX 7ci bhmž: `cf]XUžI G5
EiY``Yb	• kkk"Z`cf]XUhcXUm"Wca
	mU`YW]a UhYWcbbYWh]cbg"cf[
	• UdbYk g"Wca

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