

: 7 6UmYfb 6Ug_YhVU``. 5i ZhU_hg]Y[i bhYf BYi!7cUW < YfVYfh VY[Y]ghYfh : Ubg

: $7.6 \text{ UmY fb.} 6 \text{ Ug_Y hV U} 2Y]Yfh YfghYb G]Y[i bhYf 7 c UWX ; cfXcb'< YfVYfh'a]h'-(., ('[Y[Yb'G<math>\neq$ 'GhfU» Vi f[']b'XYf GU]gcbj cfVYfY]hi b["

±0 'XYf``Ui ZYbXYb'GU]gcbj cfVYfY]hi b['XYf'6Ug_YhVU``!6i bXYg`][U _cbbhY'XYf': 7 '6UmYfb'A ØbWXYb'YbX`]WX'Y]bYb'YfghYb'G]Y['i bhYf XYa 'bYi Yb'7\YZhfU]bYf'; cfXcb'<YfVYfh'ZY]Yfb"'5a 'GUa ghU[ž'XYb &* "'5i [i gh'&\$&(ž'VYg]Y[hY'X]Y'A UbbgWXUZh']a 'nk Y]hYb'HYghgd]Y` XYb'ZfUbnÒg]gWXYb'7`i V'G ≑ 'GhfU» Vi f['a]h'-(., ('Di b_hYb"'8]YgYf 9fZc`['ZUbX'`Ui h'6Yf]WXhYb'c\bY'Ni gWXUi Yf'ghUhhi bX'ghY``h'gca]h Y]bYb'j]Y`j YfgdfYWXYbXYb'5i ZgWXki b['[Y[YbØVYf'XYf i cf\Yf][Yb'B]YXYf`U[Y'[Y[Yb'6Ua VYf['XUf"

6Y]a 'YfghYb': fYi bXgW\UZhggd]Y`i bhYf'< YfVYfhž'XUg'j cf'nk Y]
K cW\Yb'ghUhhZUbXž'a i gghYb'g]W\'X]Y'A ØbW\bYf'bcW\'a]h',).- &
[YgW\`U[Yb'[YVYb''K À\fYbX'X]YgYg'YfghYb'Gd]Y`g'k UfYb'X]Y
B Uh]cbU`gd]Y`Yf'bcW\'UVk YgYbXž'XU'g]Y'g]W\'bUW\']\fYa
5i ZYbh\U`h'VY]'XYb'C`ma d]gW\Yb'Gd]Y`Yb']b'Y]bY'DUi gY'VY[YVYb\UhhYb''8cW\'bi b'g]bX'X]Y'GW\`ØggY`gd]Y`Yf'k]Y'5bXfYUg'C Vghž
B]Y`g';]ZZYmž'CgWUf'XU'G]`j U'i bX'B]W_'K Y]`Yf!6UVV'Ui g'XYa
I f`Ui V'ni fØW_[Y_Y\fh'i bX'\UVYb'gcZcfh'Y]bYb'a Yf_`]W\Yb
I bhYfqW\]YX'[Ya UW\h'

8YfYbhgWXY]XYbXYG]Y[

⇒a 'HYghgd]Y`'[Y[Yb'GhfU» Vi f['nY][hYb'j cf'U``Ya '8 Yj]b'6cc_Yf
i bX'7UfgYb'9Xk UfXg'ghUf_Y'@Y]ghi b[Yb'i bX'Yfn]Y`hYb'ni gUa a Yb
X]Y'a Y]ghYb'Di b_hY'XYg'Gd]Y`g"'8]YgY'VY]XYb'Gd]Y`Yf'_cbbhYb
XUa]h']\f'HU`Ybh'i bX']\fY': À\][_Y]hYb'i bhYf'6Yk Y]g'ghY``Ybž'k Ug

ZØf'X]Y'_ca a YbXYb'66@Gd]Y`Y'j cb'[fc»Yf'6YXYi hi b['gY]b _ObbhY"8Yf'_UbUX]gWXY'HfU]bYf'; cfXcb'<YfVYfh'Ài »YfhY'g]WX dcg]h]j 'ØVYf'X]Y'9bhk]W_`i b['gY]bYg'HYUa g.' 8]Y'YfghYb'nk Y] K cWXYb'XYf'JcfVYfY]hi b['']Y[Yb'bi b'ZUgh'\]bhYf'i bg"'8]Y'Gd]Y`Yf g]bX']bg[YgUa h']b'Y]bYf'[i hYb'JYfZUggi b['Ub[Y_ca a Ybž'gY]h A cbhU['g]bX'Ui WX'X]Y'BUh]cbU`gd]Y`Yf'XU"

<YfVYfh']gh'VY_Ubbh'XUZØfž'Y]b'YZZY_h]j Yg'GmghYa 'Ui Zni VUi Ybž
XUg'U``Y'Gd]Y`Yf']b'X]Y'VYgha Ò[`]W\Y': cfa 'Vf]b[h'''9f'\Uh
ni [Y[YVYbž'XUgg'X]Y'6Y]bY'gY]bYf'Gd]Y`Yf' bcW\'gW\k Yf 'g]bXž
g]Y\h'YXcW\'XYb'HfU]b]b[gdfcnYgg'cdh]a]gh]gW\.' 9g']gh'Y]b
DfcnYggž'U``Y']b'Y]b'GmghYa 'ni 'Vf]b[Ybž'YXYb'_YbbYbni `YfbYb
i bX']b'6Ug_YhVU``!: cfa 'ni '_ca a Yb'''5VYf'k]f'g]bX'gY\f
ni j Yfg]W\h']W\ž'XUgg'k]f']b'nk Y]ž'XfY]'K cW\Yb'Xcfh'gY]b'k YfXYbž
k c'k]f'gY]b'a ØggYb''</pre>

8]Y VYj cfghY\YbXYb < YfUi gZcfXYfi b[Yb

8]Y`NY]h`XfÀb[hžXYbb`]b`Yhk U`XfY]`K cWkYb`ghUfhYh`X]Y`fY[i`ÀfYGU]gcb`XYf`6Ug_YhVU``!6i bXYg`][U"`5a `&\$"`GYdhYa VYf`&\$&(`k]fXXUg`HYUa`]a `6A K!DUf_`[Y[Yb`X]Y`B]bYfg`7\Ya b]hn`UbhfYhYb"8]YgYg`5i ZhU_hgd]Y``]gh`YbhgWkY]XYbXži a `X]Y`KY]WkYb`ZØf`X]Y[YgUa hY`GU]gcb`ni `ghY``Yb"

8]Y J YfUbhk cfh`]W\Yb XYg: 7 '6UmYfb '6Ug_YhVU```g]bX 'ZYgh YbhgW\`cggYbž'X]Y 'J cfVYfY]hi b[gnY]h'cdh]a U``ni 'bi hnYbž'i a ZfØ\nY]h]['Ub']\fY'; fYbnYb'ni '[Y\Yb"'HfU]b]b['i bX'ghfUhY[]gW\YD`Ubi b[Yb'ghY\Yb'bi b']a 'J cfXYf[fi bXž'i a 'Y]bY'gW\`U[_fÀZh][Y A UbbgW\UZh'Ui Zni ghY``Ybž'X]Y 'VYfY]h']ghž'X]Y K YhhVYk YfVgVYX]b[i b[Yb']b'XYf'6i bXYg`][U'ni 'a Y]ghYfb"

8]Y: UbgʻXØfZYbʻg]WX·Ui ZY]bYʻgdUbbYbXYʻGU]gcbʻZfYi Ybžʻ]bʻXYf X]Yʻ6UmYfbʻ6Ug_YhVU``Yfʻ]\fʻ? ÒbbYbʻnY][Ybʻi bXʻa Ò[`]WXYfk Y]gY i a ʻXYbʻA Y]ghYfh]hY``_Àa dZYbʻk c``Yb"'8]YʻF ØW__Y\fʻXYf BUh]cbU`gd]Y`Yfʻ]bʻXUgʻHYUa ʻ]ghʻg]WXYfʻY]bYʻYbhgWXY]XYbXY ?ca dcbYbhYžʻX]YʻXUgʻHYUa ʻUi ZʻX]YʻbÀWXghYʻGhi ZYʻ\YVYbʻ_Ubb i bXʻXYbʻHfU]bYfʻ]bʻgY]bYfʻ5fVY]hii bhYfghØhnh"'8]YʻYfghYbʻGd]Y`Y k YfXYbʻnY][Ybž'k]Yʻg]WXʻX]YgYʻJ YfÀbXYfi b[YbʻUi ZʻX]YʻU``[Ya Y]bY

8 Y hU]`c

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["X Y