

 $8]Y'6Ub_cZ'9b[`UbX'k]fX'jcfUigg]Wkh`]Wk'] kfY'[fÔ*hYN]bgYf\O\i b['gY]h'a Y\f'U`g'&) \dangle U\fYb']b'6YhfUWkh'n]Y\Ybž'X]Y'9I ibX'; fc*Vf]hUbb]Yb'`cW_Yfb'X]Y'figg]gWkYb'^2 `VYgWkfÀb_i b[Ybži a 'ni 'j Yf\]bXYfbž'XUgg'X]Y'; UgdfY]gY']b'X]Y'<O\Y'gWk]Y*Ybž'ibXY]b][Y'\dangle jYghcfYb'ghY][Yb'bUWk'Y]bYa 'ZfØ\YfYb'7fUg\'k]YXYf']bXYb'?fmdhca Uf_h'Y]b'X]YgYg'\dangle J\f''5i *YfXYa 'j Yfgi Wkh'7\]bUžY]bYb'FYhhi b[gZcbXg']b'<O\Y'j cb'%(, 'A]``]UfXYb'I G!8c``UfUi Zni Vf]b[Ybž'i a 'Ub[Yg]Wkhg'XYf'6Ygcf[b]g'ØVYf'gcn]U`YIbfi \Yb'XUVY]'ni '\Y`ZYbž'X]Y']bg'GhcW_Yb'[YfUhYbYbd'a cV]`]YbYbhk]W_`i b[Yb'UVni gWk`]Y*Yb''$

5 V c b b] Y f Y b 'G] Y 'X U g ': H 'B Y k g '6 f] Y Z] b ['U i Z '5 d d `Y ! D c X W U g h g ' c X Y f 'G d c h] Z m

⇒b X]YgYa DcXWUgh Yfk À\bh.

K Ygh``cW_Yfh'² `VYgWkfÀb_i b[Ybž'XU' ⊕Z'Uh]cbg!'i bX 9bYf[]YÀb[ghY'ni bY\a Yb

8]Y'?fmdhcdfY]gY'ghY][Ybž'k Ybb'< $\dot{A}bX`Yf'k$]YXYf']b'XYb'A Uf_h'ZØf X][]hU`Y'5ggYhg'Y]bhUi W\Yb

7\]bUg`NYbhfU`VUb_'j Yfgi W\hž'FYhhi b[gdU_YhY']b'< \dot{O} \Y'j cb'%(, A]``]UfXYb'8c``Uf'ZØf'=a a cV]`]Ybdfc'Y_hY'ni 'a cV]`]g]YfYb

8 Ug: H'BYk g'6f]YZ]b['k]fX'j cb:]cbU'Gma cbž'Gcb'U'<i hgcb'i bX A UfW:]`]dd]bc'dfcXi n]Yfh"'<YfUi g[YVYf'XYf'G\ck']gh'*ygg'Ga]h\"Ni gÀhn`]W\Y'<]`ZY'j cb'DYhYf'6UfVYfž'A]W\UY`'@Y``cž'8Uj]X'XU'G]`j Ui bX'; Uj]b'?U``a Ubb"'8Yf'H]hY`gcb['XYf'G\ck'ghUa a h'j cb A YhUd\cf'A i g]W'Hcd\Yf': cf\YWh']gh'XYf'Ui gZØ\fYbXY'DfcXi nYbh XYf': H"'8]Y'k Y`hk Y]hY'5i X]c`Y]hYf]b'XYf': H']gh'7\Yfm`'6fi a `Ym''

@YgYbG]YY]bY5VgWXf]ZhX]YgYf9d]gcXYUiZ: H"Wca

``G]Y\Y`UWUgh"Wca #df]j UWm`ZØf`8 UhYbgW\i hn!`i bX`Cdh!ci h! ±bZcfa Uh]cbYb"

EiY``Y.:]bUbWJU``H]a Yg

8 Y hU]`c

6Ygi WXYb G]Y i bg Ui Z. _fmdhc!bYk g"Uh