

Nk Y]'A ÀXW\Yb'ghY\Yb']b'NY``U!A Y\`]g'i bhYf'A cfXj YfXUW\h" 5_hi Y``Y' \Rightarrow Zcfa Uh]cbYb'i bX'8YhU]`g'ni f' \Rightarrow gh]n`U[Y'Z]bXYb'G]Y\]Yf"



9fZi fhž·8 Yi hgWX `Ub X '!' ⇒ `NY``U!A Y\`]gʻghY\Ybʻnk Y]ʻA ÀXWXYbʻ]a J YfXUWX hž·UbʻXYa `HcX'Y]bYgʻ&'! → A\f][Yb 'VYhY]`][h'ni ʻgY]b"'8]Y VY]XYbʻHYYbU[Yf]bbYbʻk i fXYbʻUi Z[fi bX'Yf\Ò\hYf: `i WXh[YZU\f]bʻI bhYfgi WXi b[g\UZh`[Ybca a Yb"'@Ui hʻ ⇒ Zcfa Uh]cbYbʻj cbʻ Gd]Y[Y``\UVYbʻg]WX`X]YʻA ÀXWXYbʻ]b`Y]bYfʻ5fhʻ?cbZ]_h'a]hʻXYa 'I b[YbʻA UbbʻVYZ bXYbžXYfʻgWX`]Y» `]WX`hfU[]gWX`YbXYhY''

8]Y'<]bhYf[fØbXY'XYf'HUh'g]bX'bcW'i b_`Ufž'UVYf'X]Y GhUUhgUbk U`hgW\UZh'Yfa]hhY`h']b'U``Y'F]W\hi b[Yb"'NYi [Ybž'X]Y'ni f 5i Z_`Àfi b['VY]hfU[Yb'_ÒbbhYbž'k YfXYb'[YVYhYbž'g]W\ni 'a Y`XYb" 8]Y'9fa]hh`i b[Yb'g]bX'VYfY]hg']b'j c``Ya'; Ub[Yž'i a 'X]Y'[YbUi Yb I a ghÀbXYž'X]Y'ni 'X]YgYa'J cfZU```ZØ\fhYbž'ni '_`ÀfYb"

9fghY 9f[YVb]ggY XYf 9fa]hh`i b[Yb

BUWW. 'YfghYb'9f_Ybbhb]ggYb'k UfYb'X]Y'A ÀXWW.Yb'i bX'XYf &'!À\f][Y']b'XYf'['Y]WW.Yb'gcn]U'Yb'; fi ddY'i bhYfk Y[gž'k Ug'Ui Z Y]bYb'GhfY]h'cXYf'Y]b'A]ggj YfghÀbXb]g'\]bXYi hYhž'XUg'Yg_U`]Yfh']gh'' K Y]hYfY'8YhU]`g'V`Y]VYb'YXcWW'j U[Yž'XU'X]Y'9fa]hh`Yf'U``Y A Ò[`]WW_Y]hYb'UVk À[Yb"

8]Y'VY]XYb'A ÀXWXYbž'X]Y']a '5`hYf'j cb'%) 'i bX'%* '\$J\fYb'g]bXž gc``Yb'VYfY]hg']b'XYf'JYf[Ub[Yb\Y]h'kY[Yb'_`Y]bYfYf'8Y`]_hYUi Z[YZU``Yb'gY]bž'XcWX'bi b'ghY\Yb'g]Y'j cf'Y]bYa 'Yfbgh\UZhYbJcfk i fZ''Gd]Y[Y`'\YVh'\Yfj cfž'XUgg'X]Y'9bhgWXY]Xi b['ni fUbhYfgi WXi b[g\UZh'b]WXh'`Y]WXhZYfh]['[YhfcZZYb'k i fXY"'8]YF]WXhYf]b'g]Y\h'Ui Z[fi bX'j cb': `i WXh[YZU\f'i bX'XYa '9fbgh'XYf'HUhX]Y'Bchk YbX][_Y]h'ZØf'XYb'<UZhYYZY\``U`g'[Y[YVYb"

8]Y 6YXYi hi b['XYf'5i Z_`Afi b[

8 Yf'J cfZU```k]fZh: fU[Yb'Ui Zž'X]Y'ØVYf'XYb'Y]bnY`bYb': U```\]bUi g [Y\Yb"K Ug'a i gg']b'XYf'; YgY``gW\UZh'[YgW\Y\Ybž'XUa]h'Yg'[Uf b]W\h'Yfgh'ni 'gc`W\Yb'9g_U`Uh]cbYb'_ca a h3'K]Y'_ObbYb \$\frac{1}{2} \] [YbX`]W\Y'i bhYfghØhnh'k YfXYbž'VYj cf'?cbZ]_hY']b'; Yk U`h a ØbXYb3'9I dYfhYb'VYhcbYb'X]Y'K]W\h][_Y]h'j cb; Yk U`hdfÀj Ybh]cb'i bX'gcn]U`Yf'5fVY]hž'i a 'gc`W\Y'HfU[OX]Yb']b Ni _i bZh'ni 'j Yfa Y]XYb"

8]Y; YgWXY\b]ggY;]b;NY``U!AY\`]g;g]bX;nk Uf;gWX;cW_]YfYbXž;nY][YbYXcWX;Y]ba U``aY\f'X]Y;6YXYi hi b['j cb'[YgY``gWXUZh`]WXYf JYfUbhk cfhi b['i bX;XYf;Bchk YbX][_Y]hž;?cbZ`]_hY;Zf]YX`]WX;ni `ÒgYb":8]Y;6YgWXÀZh][i b['a]h;X]YgYb;H\YaYb;_ÒbbhY;i bX;gc``hYni f'DfÀjYbh]cb;ni _ØbZh][Yf;HfU[ÒX]Yb;VY]hfU[Yb"

8 YhU]`g	
Cfh	9fZifhž8YihgWX`UbX
EiY``Yb	k k k "gd]Y[Y`"XYgi ddcfh"a]WfcgcZh"Wca

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