

8]Y'GWcfd]cbg'fcW_Yb'<Ubbcj Yf.'\(\frac{1}{2}\) VY` ni a '*\\$"'6UbX'i V]`\(\hat{A}\)i a ''

: Y]Yfb'G]Y'a]h'XYb'GWcfd]cbg']\f'*\$!'À\f][Yg'\$\text{V}`Ai a 'Ua '*" \$\text{`}\]b'<Ubbcj\Yfž'a]h'Gd\YW]U\'; i\Yghg'\$\text{XUg'Df]}\Ygh'i\bX 5\]WY'7ccd\Yf"



< Y]bn'j cb' < Y]XYb'5fYbUž' < Ubbcj Yfž'8 Yi hgW `UbX'! 5a '*"

i `]'&\$&) 'ZY]YfhYb'X]Y'GWcfd]cbg']b'XYf'Ui gj Yf_Ui ZhYb' < Y]bn'j cb

< Y]XYb'5fYbU']b' < Ubbcj Yf'Y]b'XYb_k ØfX][Yg'i V]`Ai a g_cbnYfhž

XUg'Ub`Agg`]W\']\fYg'* \$!'A\f][Yb'6YghY\Ybg'Ui g[Yf]W\hYh'k i fXY"

: Ubg'Ui g'U``Yf'K Y'hž'gc[Uf'Ui g'6fUg]`]Ybž'ZUbXYb'g]W\'ni gUa a Ybž

i a 'X]Y'FcW_`Y[YbXYb']b']\fYf' < Y]a UhghUXh'ni 'Yf`YVYbž'k c'U``Yg

VY[Ubb"'8Yf'5VYbX'ghUfhYhY'X]fY_h'a]h'Y]bYa '?bU``.'i a '&%.) \$

I \f'VYhfUh'XYf'GAb[Yf'?`Ui g'A Y]bY'X]Y'6Ø\bYž'XYf'bUW\'Y]bYf

K]fVY`gAi `YbcdYfUh]cb'j cfg]W\'h]['Ui ZhfYhYb'a i gghYž'UVYf

XYbbcW\'gY]bY'Gh]a a _fUZh'VYk]Yg"</pre>

8]Y'GWcfd]cbgž'[Y[fØbXYh'%-*)'jcb'FiXc`Z'GWXYb_Yf']b'GUfghYXhž q]bX'Y]bY'XYf'YfZc`[fY]WXghYb'FcW_VUbXq'XYf'KY`h'a]h'ØVYf'%\$\$ A]``]cbYb'j Yf_Ui ZhYb'HcbhfÀ[Yfb"'8 Ug'¾ V]`Ài a 'nÀ\`hY'ni 'XYb <][\`][\hg']\fYf``Ui ZYbXYb' FcW_'6Y`]Yj Yf'K cf`X'Hci f ž'X]Y'gY]h &\$&\X]Y': Ubg'VY[Y]ghYfh"'6YgcbXYfg']b'9f]bbYfi b['V`Y]VYb k YfXYb'X]Y'?`Ugg]_Yf'k]Y' H\Y'Ncc 'i bX' K]bX'cZ'7\Ub[Y ž'X]Y XUg'GYh`]gh'dfÀ[hYb"'Ni 'XYb'VYgcbXYfYb'; ÀghYb'[Y\ÒfhYb'¾ XUg Df]Ygh'i bX'5`]WY'7ccdYfž'X]Y'ZØf'ni gÀhn`]WXY'9f\Y]hYfi b['gcf[hYb'i bX'XYa '5VYbX'Y]bYb'ni gÀhn`]WXYb'; `Ubn'j Yf`Y]\Yb'_cbbhYb"

9]b 5VYbX j c ``Yf 9f]bbYfi b[Yb

8 Ugʻ?cbnYfhʻk Ufʻb]Wkhʻbi fʻY]bʻ: YghʻZØfʻX]YʻU_hi Y``Yʻ6YgYhni b[ž'ni XYfʻ?`Ui gʻA Y]bYžʻFi XcʻZʻGWkYb_YfžʻA Uhh\]Ugʻ>JVgžʻDUk Y A áW]k cXUʻi bXʻA]__Ymʻ8YYʻ[Y\ÒfYbžʻgcbXYfbʻUi WkʻZØfʻX]Y Y\Ya U`][YbʻA]h[`]YXYfʻ'8Yfʻ9I!8fi a a Yfʻ<Yfa UbʻFUfYVY``k Uf Ubk YgYbXʻi bXʻghY``hYʻgY]bYʻA Ya c]fYbʻj cfžʻYXcWkʻk i fXYʻYfʻi bX UbXYfYʻ9I!6UbXa]h[`]YXYfʻb]Wkhʻni fʻ6Ø\bYʻY]b[Y`UXYbʻ'8]YgY 9bhgWkY]Xi b[ʻZ]Y`žʻXUʻX]Yʻ6UbXʻUbʻY]bYa ʻbYi Ybʻ@j Y!5`Vi a UfVY]hYhž'XUgʻbcWkʻj cfʻK Y]\bUWkhYbʻYfgWkY]bYbʻgc``'

8]Y'GYh`]gh'Vch'Y]bYb'Vi bhYb'A]I'Ui g'<]hgž'X]Y'_Y]bYf']a 'Di V`]_i a a]ggYb'k c``hY"'8Yf'5VYbX'[]dZY`hY']b'i bj Yf[Ygg`]W\Yb'Gcb[g'k]Y Gh]``'@cj]b['Mci 'i bX' FcW_'Mci '@]_Y'5'<i ff]WUbY "'?`Ui g'AY]bY k]XaYhY' GYbX'AY'5b'5b[Y` 'gY]bYa 'j YfghcfVYbYb': fYi bX K c`Z[Ub['6YgYaYfž'kÀ\fYbX'XUg'?cbnYfh'a]h'Y]bYa gdY_hU_i `ÀfYb': Yi Yfk Yf_'YbXYhY"

B]WX h'bi f'A i g]_ž'gcbXYfb'Ui WX '; YgWX]WX hY

I a 'XUg' ⅓ V]`Ài a '[YVØ\fYbX'ni 'ZY]Yfbž'ghY``hY'X]Y'8Yi hgW\Y'Dcgh GcbXYfgW\U`hYf'ZØf'6f]YZa Uf_Yb'ni a '6UbX'\V]`Ài a 'Ui Z''9]b NY]W\Yb'XUZØfž'k]Y'k]W\h]['X]YgYg'9j Ybh'Ui W\'ZØf'X]Y'FY[]cb $< Ubbcj\ Yf'k\ Uf'''K\ Yf'g]WX'nk\]gWXYb'XYb'Gcb[\ g'YbhgdUbbYb'k\ c``hYž\ XYf'_cbbhY'VY]a\ 'GWX\emptysethnYbZYgh']b'XYf'BÀ\Y'j\ Yfk\ Y]`Yb'''Y]b\ dYfZY_hYf'5i\ g_`Ub[\ 'Y]bYf'i\ bj\ Yf[\ Ygg`]WXYb'BUWXh''$

8 YhU]`g	
Cfh	< Y]bn'j cb'< Y]XYb'5fYbUž'< Ubbcj Yfž
	8Yi hgWX`UbX
EiY``Yb	• k k k "bXf"XY
	• \!`]j Y"XY
	Yb"k]_]dYX]U"cf[

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'X]Y!bUWX f]WX hYb "Wca