

9b[U[Ya Ybh!DfY]g`GhYfbY`XYg`\\fYg &\$&(``ZØf`HfYdhck!?ÒdYb]W_

8 Ug 6 Yn]f_gUa hij cb HfYdhck!? Od Yb]W a OW hY XUfUi Z \]bk Y]gYbžXUgg XUg GH9FB9B: \pm G7 < 9F : fY]k]``][YbnYbhfi a [Ya Y]bqUa 'a]h'XYa 'Gcn]U'Ua h'HfYdhck!? ÒdYb]W 'XYb / Ua d/ , &&&/GhYfbY'XYg'\\fYg'\&\\$\((/ Ua d/ , &&\\$/) 9b[U[Ya YbhlDfY]q'Ui q`cVh"8]YqYf'DfY]q'f]W\hYh'q]W\'Ub 9|bnY`dYfgcbYb'i bX'Cf[Ub|gUh]cbYbž'X|Y'g|W\']b'VYgcbXYfYf ? OdYb]W 'Y]bgYhnYb'i bX'g]WX'[Y[Yb'FYWXhgYI hfYa]ga i gž FYW hqdcdi `]qa i q'i bX'a YbqW Ybj YfUW hYbXY 9]bghY``i b[Yb'Yb[U[]YfYb"'6Yk YfVi b[Yb'_ObbYb'V]g'ni a '%"'AU]'&\$&('ØVYf'XUq'Cb`]bY!: cfa i `Uf'Ui Z'XYf'K YVq]hY'XYf GH9FB9B: 47 < 9F 'Y]b[YfY]W\h'k YfXYb"'Cf[Ub]qUh]cbYb a ØggYb [Ya Y]bbØhn][ibXdUfhY]bYihfU`gY]b gck]Ya]h : fY]k]``][Yb ni qUa a YbUfVY]hYbži a 'q]W ni 'ei U`]Z]n]YfYb" 9]bY'\(\frac{1}{2}\) fmz\(\frac{1}{2}\) YbX'\Ui\q'\X\frac{1}{6}\)n]f_qqhUX\(\frac{1}{2}\)hf\(\hrac{1}\)hf\(\hrac{1}2\)hf\(\hrac{1}2\)hf\(\hrac{1}2\)hf\(\hrac{1}2\)hf\(\hrac{1}2 ; $YgibX\Y]hž5fVY]hibXHY]`\UVY7Ufc`]bKY]b[UfhžXYf$ @Y] $hYf]b'jcb'/Uad\Lambda Y``]d/$

6Yk YfVi b[Yb'_ObbYb'V]g'ni a '' %"'A U]'&\$&('ØVYf'XUg'C b`]bY! : cfa i `Uf'Ui Z'XYf'K YVg]hY'XYf'GH9FB9B: \pm 67 < 9F'Y]b[YfY]W\h k YfXYb"'Cf[Ub]gUh]cbYb'a ØggYb'[Ya Y]bbØhn]['i bX'dUfhY]bYi hfU` gY]b'gck]Y'a]h': fY]k]``][Yb'ni gUa a YbUfVY]hYbž'i a 'g]W\'ni ei U`]Z]n]YfYb"'9]bY' \Rightarrow fmž'VYghY\YbX'Ui g'XYf'6Yn]f_gghUXhfÀh]b'ZØf Gcn]U`Ygž'; Ygi bX\Y]hž'5fVY]h'i bX'HY]`\UVY'7Ufc`]b'K Y]b[Ufhž'XYf@Y]hYf]b'j cb'GH9FB9B: \Rightarrow 7 < 9F'i bX'Y]bYf'DYfgcb'Ui g'XYa 9b[U[YaYbh!FUh'XYg'6Yn]f_gž'k]fX'ØVYf'X]Y'DfY]ghfÀ[YfYbhgW\Y]XYb"'8Yf'DfY]g'k]fX'b]W\ha cbYhÀf'Ui g[YgW\ØhhYhž gcbXYfb'X]Y'; Yk]bbYf'Yf\U`hYb'Y]bY'G_i `dhi fž'Y]bYb'G]YVXfi W_i bX'Y]bY'I f_i bXY''

A Ò[`]WXY``c_U`Y`5i gk]f_i b[Yb`_ÒbbhYb`gY]bž'XUgg`XUg
9b[U[Ya Ybh'j cb'9]bnY`dYfgcbYb`i bX`Cf[Ub]gUh]cbYb`]b`HfYdhck!
? ÒdYb]W_`UbYf_Ubbh'i bX`[Yk ØfX][h'k]fX"'8]Yg'k]YXYfi a `_ÒbbhY
ni f`GhÀf_i b['XYg`gcn]U`Yb`Ni gUa a Yb\U`hg'i bX`ni f`JYfVfY]hi b[
j cb'dcg]h]j Yb`K YfhYb`]b`XYf'; Ya Y]bgWXUZh`VY]hfU[Yb"

<]ghcf]gWk [YgY\Yb '_ObbhY 'XYf'DfY]g'Y]bY 'HfUX]h]cb 'XYg
Y\fYbUa h`]Wk Yb '9b[U[Ya Ybhg'i bX 'XYf'K YfhgWk Àhni b['j cb
VØf[YfgWk UZh`]Wk Ya '9]bgUhn']b 'HfYdhck!? OdYb]W_ 'ZcfhgYhnYb'i bX
ghÀf_Yb"'<]Yfni '_ObbhY'Y]bY 'HUVY``Y'a]h'XYb'; Yk]bbYfb
j Yf[Ub[YbYf'*J\fY'i bX']\fYb'9ffi b[YbgWk UZhYb'Y]b']bhYfYggUbhYf
i bX']bZcfa Uh]j Yf'Ni gUhn'gY]b"</pre>

9gʻ]ghʻni `\cZZYbžʻXUggʻXYf` GhYfbY`XYgʻ¾\\fYgʻ&\$&(`'9b[U[Ya Ybh!DfY]gʻXUni 'VY]hfÀ[hžʻX]Yʻ6YXYi hi b['j cbʻGc`]XUf]hÀhžʻJ]Y`ZU`hʻi bXXYa '9]bgUhnʻ[Y[Ybʻa YbgWXYbj YfUWXhYbXYʻ9]bghY``i b[Ybʻ]bHfYdhck!?ÒdYb]W_`ni 'VYhcbYb'i bX`ni 'ZÒfXYfb"

EiY``Y. kkk "VYf`]b"XY

8YhU]`g

6 Ygi W Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!VYf`]b "bYh