

9\fYbUa h`]W\Y`<Y`XYb.`8]Y`fØ\fYbXY; YgW\]W\hY`\]bhYf`XYa `DYhYfgVYf[`]b BYYZ

9fZU\fYb`G]Yž'k Ufi a `g]W\`XUg`9\YdUUf`<Y]bnYb`gc Yb[U[]Yfh`ZØf`X]Y`DYhYfgVYf[_UdY``Y`]b`BYYZ`]a `?fY]g 7cW\Ya!NY``"@YgYb`G]Y`\]Yf`]\fY`VYkY[YbXY; YgW\]W\hY"

 $<]`XY'i bX` \approx UWX]a `<Y]bnYb```8]Y`<Y`XYb`XYg`BYYZYf`DYhYfgVYf[g]$

8]Y']Xm`]gW\Y'DYhYfgVYf[_UdY``Y']b'BYYZ'Ua 'AcgY`i ZYf'ghfU\`h']b
]\fYf'6YgcbXYf\Y]h"'5i Z'XYa 'a U`Yf]gW\Yb': f]YX\cZ'\cW\'cVYb'Ui Z
XYa '6Yf['[Y`Y[Ybž'k i fXY'XYf'DYhYfgVYf['j cf'Y`Z'*J\fYb'ni a
Xf]hhgW\\ObghYb': f]YX\cZ'8Yi hgW\`UbXg'[Y_Øfh"'8cW\'\]bhYf'X]YgYf
GW\\Ob\Y]h'ghYW_h'j]Y``9b[U[Ya Ybh'i bX': Øfgcf[Yž'X]Y'j cb'nk Y]
[Ubn'VYgcbXYfYb'A YbgW\Yb'ghUa a Yb"

 $<]`XY'ibX' \approx UWX]a `< Y]bnYb'g]bX'gY]h'%' ` *\J\fYb'X]Y'[ihYb'GYY`Yb XYg'DYhYfgVYf[g"`A]h'Y]bYf'VYk Y[YbXYb'; YgWX]WXhY']a <]bhYf[fibX'\UVYb'g]Y'g]WX'YbhgWX`cggYbž'g]WX'Y\fYbUah`]WX'ia X]Y'DZY[Y'XYf'5b`U[Y'ni'_Øa a Yfb"'BUWX'XYa `hfU[]gWXYb'JYf`igh]\fYg'Y]bn][Yb'Gc\bYg'jcf'%' ` <math>\J\$ \fYbž'XYf']a `5`hYf'jcb'') ` $\J\$ \fYb Ub'?fYVg'j YfghUfV'i bX'bib'Ui Z'XYa `: f]YX\cZ'fi\hž'ZUbXYb'g]Y Hfcgh'i bX'G]bb']b'XYf'5fVY]h'ZØf'X]Y'; Ya Y]bgWXUZh''

 $8 \ Ug' 9 \ Yd \ Uuf' < Y]bn Yb'g Yhnh'g] W \ 'a \]h' < Yfn V'i h' ZØf' X] Y'G W \ \dot{O}b \ Y]h X Yg': f] Y X \ c Zg' Y]b z' X Ua \]h' X Ug' 5 b X Yb _ Yb' Ub'] \ f Yb' Gc \ b'`Y V Yb X] [V`Y] V h'' 'G] Y' d z' Y [Yb' X] Y'; f À V Y f z' \ U`h Yb' X] Y' K Y [Y' Zf Y]'i b X' gc f [Yb X U ZØf z' X Ugg' X] Y' D Yh Y fg V Y f [_ Ud Y``Y'] a a Y f' Y] b' C fh' X Y f' Fi \ Y' i b X 6 Y g] b b i b ['ZØf' X] Y' 8 c f Z [Ya Y] b g W U Zh'] gh''$

 $8\,Ub_`]\backslash\,fYg`i\,\,bY][\,\,Ybb\,\emptyset hn][\,\,Yb\,\,^9]b\,gUhnYg\,^ghfU\backslash\,^h\,^XYf\,^B\,YY\,ZYf$

 $DYhYfgVYf[~]b~gY]bYf~GW. Ob~Y]hii~bX~k~]fX~ni~Y]bYa~C~fh~XYg~;~YXYb_Ybg~ii~bX~XYf~@]YVY"~8~]Y~6Yk~c~bYf~XYg~?~fY]gYg~7~cW.Ya~!~NY~~_ObbYb~g]W.~[~@W_~]W.~gW. AhnYb~z~gc~W.~Yb[~U[~]YfhY~A~YbgW.Yb~]b~]~fYf~A~]hhY~ni~k~]ggYb"~<~]~XY~ii~bX~<math>\approx$ UW.]a~~<~Y]bnYb~nY][~Yb~z~XUgg~k~U~fY~;~fO>Y~]a~Y~fYbUa~h~]W.Yb~9]bgUhn~~]Y[~hii~bX~XUgg~Ui~g~dYfgOb~]W.Ya~~@Y]X~\YfUi~g~Ui~W~Yhk~Ug~GW.ObYg~Yb~hghY~Yb~_Ubb"~

 $8]Y' < Y]bnYbg'g]bX'Y]b'`YVYbX][Yg'6Y]gd]Y``XUZØfž'k]Y dYfgÒb`]W\Yg'@Y]X']b'Y]bY'dcg]h]j Y'?fUZh'ZØf'X]Y'; Ya Y]bgW\UZh i a [Yk UbXY`h'k YfXYb'_Ubb'''=\f'9b[U[Ya Ybh'Ua 'DYhYfgVYf[']gh b]W\h'bi f'Y]bY'Y\fYbj c``Y'5i Z[UVYž'gcbXYfb'Ui W\'Y]b'NY]W\Yb'XYf A YbgW\`]W_Y]h'i bX' < c\ZZbi b[']b'Y]bYf'c\Zh'\Y_h]gW\Yb'K Y`h'''8]Y A YbgW\Yb'fi bX'i a 'XYb'BYYZYf'DYhYfgVYf['_\ObbYb'g]W\'[`\ØW_`]W\\gW\AhnYbž'gc`W\'k Ufa \Yfn][Y'i bX'Yb[U[]YfhY'A]hVØf[Yf']b']\fYf B\A\Y'ni '\UVYb''' 'B5;$

8 Y hU]`g

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