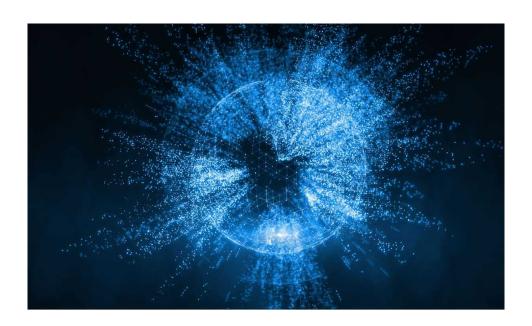


; Y\h'Yg'i a ': fY]\Y]h'cXYf', VYfk UWXi b[3' fCd!9XŁ

9g'k Uf'Y]bY'[fc»Y'K cWXY'ZØf'K cf`XVc]bžX]Y'6`cW_WXU]b! \Rightarrow XYY j cb CdYb5 \pm 79C GUa '5 ha Ub" 8 Ug 6 cW_WX U]b! 6]ca Yhf]Ydfc Y h'gWX`]Y» h'Y]bYb':]bUbn]Yfi b[qi YfhfU['ØVYf %\$\$ "A]``]cbYb "I G!8c``Uf'UV"'Ni 'XYb '=b| YghcfYb 'X]YgYf FibXY'nÀ\`Yb'bYVYb'XYb'V]g\Yf][Yb'UiW\'bYiY I bhYfghØhnYf" 8]Y '%\$\$!A]``]cbYb!8c``Uf!GYYX!Fi bXY'j cb K cf`XWc]b Ni XYb ZfØ\YfYb GYYX!Fi bXYb! =bj YghcfYb j cb K cf`XWc]b [Y\OfYb U%* n fbbXfYYggYb < cfck]hnŁž X]Y $F[g]_c_Ud[hU`UVhY]`ib[ijcb.7c]bVUgYž?\cg`U`JYbhifYg`ibX$ gc[Uf'GUa '6Ub_a Ub!: f]YX"'f8Yf']b'l b[bUXY'[YZU``YbY': HL! ; $f\emptysetbXYf''$ | $YfhY[X][h'q]WX'XYfnY]h'[Y[Yb'a Y\fYfY]$ GhfUZUbnY][YbiibXi8ifWxqYhnib[qa U»bU\a Ybi]biXYbil G5"Ł : cfhi bY!6Yf]WXhY. 8]Y:]bUbn]Yfi b[gbUWXf]WXhYb g]bX'Y]b @|WX hV`|W_'|b'Y|bYa 'X@ghYfYb'\J\\f'Z\@f'?fmdhc!\b|Ygh]h]cbYb" @Ui h'7fi bW\VUqY'qUb_'X]Y'F]q]_cZ|bUbn]Yfi b['ZØf KYV'!Ghufhidgijcb'- ž%'A]``]ufXYb'lG!8c``Uf']a'YfghYb / Ua d/Y``]d/



8]Y'%\$\$!A]``]cbYb!8c``Uf!GYYX!FibXY'jcb Kcf`XWc]b

Ni `XYb`ZfØ\YfYb`GYYX!FibXYb! ±j YghcfYb`jcb`Kcf`XWc]b [Y\ÒfYb`U%*n`fБbXfYYggYb`<cfck]hnŁž'X]Y`F]g]_c_Ud]hU`UVhY]`ib[jcb`7c]bVUgYž'?\cg`U`JYbhifYg`ibX`gc[Uf`GUa`6Ub_aUb!:f]YX"

f8 Yf']b'l b[bUXY'[YZU``YbY': HL!; fØbXYf'j YfhY]X][h'g]W\'XYfnY]h [Y[Yb'a Y\fYfY'GhfUZUbnY][Yb'i bX'8i fW\gYhni b[ga U»bU\a Yb']b XYb'l G5"Ł

: cfhi bY!6Yf]WMhY.

6]ca Yhf]gW\Y'GW\`ØggY`.': fY]\Y]h'cXYf . VYfk UW\i b[3 $K cf`XWc]b`\Uh'Y\f[Y]n][Y`5aV]h]cbYbž`X]Y`V]caYhf]gWXY \\ = XYbh]Z]n]Yfib[`]b`XUg`KYV`' "$`ni`]bhY[f]YfYb"$

8 Ugʻ?fmdhck À\fi b[gdfcY_hːXYgʻCdYb5±; fØbXYfgʻn]Y`hːXUfUi Z UVžʻI bhYfghØhni b[ˈZØfʻX]Yʻ=8!5i h\Ybh]Z]n]Yfi b[ˈZØfʻFYh]bU!GWUbg ni ˈgUa a Y`bʻi bXʻni 'Ybhk]W_Y`b"'8]Y 'VY[Y]ghYfhYʻI bhYfghØhni b[XYgʻDfcY_hgʻXi fWXʻJ 7 'VYXYi hYhž'XUggʻg]Yʻa Ò[`]WXYfk Y]gYʻ]bʻXYf @U[Yʻg]bXž'Y]bYbʻgcʻa i h][YbʻD`Ubʻi a ni gYhnYb"

 $5VYf']gh'K\ cf'XWc]b'Y\Yf'XUni''[YY][\ bYhz'X]Y'J\ cfhY]'Y'XYf \\ 6`cW_WXU]b!:\ fY]\Y]h'cXYf'XYg'Cfk Y``gWXYb'<][\!HYWX! \\VYfk UWXi\ b[\ g_Ud]hU`]ga\ i\ g'ZfY]ni\ gYhnYb3'GY]h'\\J\\fnY\\bhYb\ VYhfUWX\hYb'6\Øf[\ YffYWX\h'Yf'X]Y'8][\]hU`]g]Yfi\ b[\ 'j\ cb'?\ fUb_YbU_hYb\ U`g'a\]h'fYWX\h`]WXYb'i\ bX'\i\ a\ Ub]h\AfYb';\ YZU\\fYb'j\ YfVi\ bXYb''$

8]Y'JYfk YbXi b['V]ca Yhf]gW\Yf'8UhYb'U`g'G]W\Yf\Y]hg!'i bX
5i h\Ybh]Z]n]Yfi b[gghUbXUfX'_Ubb'X]Y'Df]j Uhgd\ÀfY'j cb'A YbgW\Yb
j Yf`YhnYb"'8Ug'N]Y``j cb'K cf`XWc]b'k ÀfY'Ygž'Y]bY'K Y`h'ni
gW\UZZYbž'X]Y'`YhnhYbX`]W\'j cb'XYb'A YbgW\Yb'j Yf`Ub[hž']\fY
6]ca Uf_Yf'Ui Zni [YVYbž'i a '5ddg'ni 'bi hnYb'i bX'; YgW\ÀZhY'ni
a UW\Yb"

8]Ygʻ]ghʻYxcW\'b]W\hʻXUgʻi bj Yfa Y]X`]W\Yʻ9f[YVb]gʻj cb
K cf`XWc]b"8UgʻJ YfgW\]YVYbʻV]ca Yhf]gW\Yfʻ8UhYbʻ]bʻX]Y
6`cW_W\U]bʻi bXʻXYfʻ9]bgUhnʻj cbʻK YV!'!HYW\b]_Ybʻni fʻJ Yfk Uʻhi b[df]j UhYfžʻdYfgÒb`]W\']XYbh]Z]n]YfYbXYfʻ\bZcfa Uh]cbYbʻZØf
\bYfbYhbi hnYfʻ_ObbhYʻXYfʻg]W\YfghYžʻZU]fghYʻi bXʻ_cghYb`cgghY
K Y[ʻgY]bžʻX]Ygʻni hi b"ʻK YVʻ'ʻ_UbbʻN?!DfccZgʻi bX
A Y\fdUfhY]YbVYfYW\bi b[Ybʻj Yfk YbXYbžʻi a 'X]YgY'8UhYbʻdf]j Uh
ni `\U`hYbʻi bX`[`Y]W\nY]h][`XYbʻGYfj YfbžʻX]Yʻg]YʻUbZcfXYfbžʻni
VYk Y]qYbž'XUqqʻXYfʻ6Ybi hnYfʻXYfʻ]qhžʻZØfʻXYbʻYfʻq]W\`Ui q[]Vh"

 $e^{-\epsilon}$