

H]gWX hYbb]g!GhUf'5bbU'K U`hYf'Ui g =b[c`ghUXh.'8cddY`!6fcbnY'Yf_Àa dZh°

5bbU'K U`hYf'j ca 'A HJ '\(\pi\)[c`ghUXh'Yfn]Y`h'VY]'XYb'8Yi hgW\Yb A Y]ghYfgW\UZhYb'6fcbnY'i bX'k]fX'ZØf'X]Y'I %)!9A'bca]b]Yfh"



=b[c`ghUX hž8Yi hgWX`Ub X !!8]Y 'i b[Y'H]gWX hYbb]ggd]Y`Yf]b '5 bbU
K U`hYf'j ca 'A HJ '\(\frac{1}{2}\)[c`ghUXh`\Uh']b '9fZ fh'VY]'XYb 'XYi hgWXYb
A Y]ghYfgWX UZhYb 'XYf'5`hYfg_`UggY 'A ÀXWXYb '%) 'ZØf': i fcfY'[Ygcf[h"A]h'nk Y]'A YXU]``Yb ']b 'XYf'HUgWXY' 'Y]ba U``6fcbnY']a '9]bnY``i bX
Y]ba U``6fcbnY']a '8cddY`` '_Y\fhY'g]Y'Ua '%* "'\(\frac{1}{2}\) b]'&\\$\&\) 'bUWX
<Ui gY'ni f\(\textit{\textit{0}W_\textit{\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0}H\textit{0}Y_\textit{0

 $= 8 \ cddY \ 'hfUh'5bbU'Ub'XYf'GY]hY'j \ cb'9j \ U'L \]bh]Ub'; \ Uc'Ubžk \ c'g]Y \ U'g': \ Uj \ cf]hYb']bg'FYbbYb'[]b[Yb''] \Rightarrow fY'YfghYb'; \ Y[bYfž'@UfU'? O'b][i bX'5bbU'? Ø\ b'Ui g'H\ Øf]b[Ybž'\ UhhYb'b]W\ hg'Ybh[Y[Ybni gYhnYb i bX'gc'g]Y[hYb'K U'hYf'i bX'; \ Uc'_\Uf'a]h'' .$"'5i W\ ']a 'J]YfhY`Z]bU'Y [Y[Yb'N]I]'A]'U'B]i 'i bX'J U'Yf]]U'? cfni b'Ui g'< YggYb'gYhnhYb'g]Y g]W\ 'a]h'' .%'Xi fW\ ''@Y]XYf'YbXYhY'Ui W\ ']\ fY'8cddY`fY]gY']a < U`VZ]bU'Yž'k c'g]Y'XYb_VUf'_bUdd'Yfk Ufhi b[g[Ya \(A\)\) 'a]h'\\.' [Y[Yb'5a Y`]Y'; i n]'\ \\]U'i bX'?]fU'5YVYf\ UfX'Ui g'< YggYb i bhYf`U[Ybž'X]Y'gd\(A\)hYf'XYb'H]hY`'[Yk]bbYb'_cbbhYb''$

9f[YVb]ggYibX'9fZc`[Y

8cW. '5bbU'K U`hYf'[UV'g]W. 'b]W. h'a]h']\fYb'A YXU]``Yb'ni Zf]YXYb"
5i W. ']a 'A]I YX!K YhhVYk YfV'hfUh'g]Y'Ub'XYf'GY]hY'j cb'&bUg
F]bXYfYf'Ui g'Fi\a UbbgZY`XYb'Ub"'BUW. 'nk Y]'G]Y[Yb'a i gghYb'g]Y
]a 'J]YfhY`Z]bU`Y'[Y[Yb'@chhU'Fch\Zi » 'i bX'H]Yb'B[\]U'D\cb['Ui g
6UXYb!K ØfhhYa VYf['Y]bY'_bUddY'&.' 'B]YXYf`U[Y'\]bbY\a Yb"
Ni XYa 'k Uf'5bbU'Ui W. ']b'XYf'5`hYfg_`UggY'\$! [YbX'%-'Ua 'GhUfhž k c'g]Y'g]W. 'YVYbZU``g'j Yfgi W. hYž'YXcW. 'c\bY'bYbbYbgk YfhY
9fZc`[Y"

Ni gUa a Yb[YZUggh'Ui g'XYb'9f[YVb]ggYb.

| K YhhVYk YfV | D`Um]Yfi b[|
|--------------|--------------------|
| 9]bnY` | 6fcbnY |
| 8cddY` | 6fcbnY |
| A]I YX | J]Y fhY `Z]b U `Y |

Bca]b]YfhZØfX]Y 9i fcdUaY]ghYfgWXUZh

 $\pm g[YgUa h nY][h 5bbU'K U nYf'Ui Z'VYY]bXfi W_YbXY'K Y]gYž'XUgg XYf'H]gWX hYbb]ggdcfh']b'8 Yi hgWX `UbX'b]WX h'bi f'HfUX]h]cb'\ Uhž gcbXYfb'Ui WX''A b[Y'HU YbhY'\Yfj cfVf]b[hž'X]Y'a]h'@Y]XYbgWX UZh i bX'HU nYbh'Ui Z']bhYfbUh]cbU na 'DUf_Yhh'[`AbnYb'a OWXhYb''' \DY Y]bYf'NY]hž']b'XYf'8 Yi hgWX `UbX'a]h'g]b_YbXYb'A]h[`]YXYfnU\ `Yb']a H]gWX hYbb]ggdcfh'_Aa dZhž'k]Y']b'H]gWX hYbb]g%$$'h\ Ya Uh]g]Yfhž]gh'Yg'j cf'U``Ya 'XYf'BUWX k i WXgž'XYf'X]Y' < cZZbi b['Ui Z'bYi Y 9fZc`[Y'i bX'Ub\ U`hYbXYg'\DhYfYggY']b'X]YgYa 'ZUgn]b]YfYbXYb Gdcfh'k YW_h''$

| 8 YhU]`g | |
|----------|----------------------------|
| Cfh | ±0[c`ghUXhž'8Yi hgW\`UbX |
| EiY``Yb | • k k k "XcbUi _i f]Yf"XY |
| | • k k k "a hj !]b"XY |
| | • h]gW\ hY b b]g%\$\$"X Y |

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'bU[!VUmYfb "XY