

JYf_Y\fgÀbXYfi b[Yb']b'≯bU. 5b_ØbX][i b['bYi Yf'6Ui ghY``Yb'i bX GdYffi b[Yb

8]Y'GhUXh'¥bU'a Y`XYh'XfY]'bYi Y'6Ui ghY``Yb.'Jc``gdYffi b[YbibX'la`Y]hi b[Yb'UV'XYa'&*"'5i [i gh'k Y[YbGb]Yfi b[gUfVY]hYb"

<code>XbU""+D"XYf"_ca a YbXYb"K cW\Y'ghY\Yb"ZØf"X]Y"GhUXh"*\bU"Y]b][Yk]W\h][Y"6Ui ghY"Yb"Ubž"X]Y"XYb"JYf_Y\f"Yf\YV"]W\"VYY]bZi ggYb
_ObbhYb""8]Y"ni ghAbX][Yb"6Y\OfXYb"\UVYb"VYfY]hg"VY_Ubbh
[Y[YVYbž"XUgg": i » [Ab[Yf"i bX"FUXZU\fYf"]b"XYb"a Y]ghYb": A"Yb
X]Y"6Ui ghY"Yb"dUgg]YfYb"_ObbYbž"YXcW\"k]fX"Y]bY
JYf_Y\fgi a "Y]hi b["ZØf"?fUZhZU\fnYi [Y"bOh]["gY]b"</code>

9]bY'XYf'[fÒ» hYb'6Ui ghY``Yb'VYhf]ZZh'X]Y'6fØW_YbghfU» Yž'k c'X]Y GhfU» Y'Ua'&+"'5i [i gh'nk]gW\Yb'+"'\$'i bX'%('I\f'j c```[YgdYffh k]fX"'8Yf'; fi bX'ZØf'X]YgY'GdYffi b['g]bX'k YgYbh`]W\Y'5fVY]hYb'Ub XYb'? UbU`XYW_Y`bž'X]Y'ZØf'X]Y'GhfU» Yb]bZfUghfi _hi f'j cb'[fc» Yf 6YXYi hi b['g]bX"'8]Y'YbhgdfYW\YbXYb'A U» bU\a Yb'g]bX bchk YbX][ži a 'X]Y'G]W\Yf\Y]h'XYf': U\fVU\bXYW_Y'ni [Yk À\f`Y]ghYb'i bX'_ØbZh][Yb'DfcV`Ya Yb'j cfni VYi [Yb"

8 YhU]`g`ni XYb 6Ui UfVY]hYb

9]b k Y]hYfYg VYXYi hYbXYg 6Ui dfc Υ _h]gh X]Y : U\fVU\bgUb]Yfi b[]b XYf 6Yfhc h 6fY W h GhfU» Y " 5 V XYa & * " 5i [i gh V]g j cfUi gg]W h]W &, " GYdh Ya VYf k]fX XYf 6YfY]W nk]gW Yb XYb < Ui gbi a a Yfb & i bX % * _ca d Yhh [Ygd Yffh 8]YgY A U» bU\a Y]gh bchk YbX][ži a X]Y \Rightarrow ZfUghfi _h f ni 'j YfVYggYfb i bX XYb : U\f_ca Zcfh ni 'Yf\O\Yb "8]Y J Yf_Y\fghY]`bY\a Yf k YfXYb = X]Y 6Yfh\c`X!6fYW h GhfU» Y]a '5 VgW b]hh j cb < Ui gbi a a Yf %, 'V]g

'&ia [Y`Y]hYh"8]YgY`la`Y]hib[`VYhf]ZZh`gckc\``XYb ±bX]j]XiU`jYf_Y\f`U`g`UiW\`6ig`]b]Ybž`X]Y`Ub[YdUggh`kYfXYb a ØggYbž`gcXUgg`X]Y`DYbX`Yf`[ih`]bZcfa]Yfh`g]bX"

Ni gàhn`]W\ 'XUni 'k]fX']a 'A ØbW\YbfcXUYf'; fi bX'Y]bY'\U'VgY]h][Y GdYffi b['Ub'XYf'9W_Y'ni f'A ØbW\YbfcXUYf'GhfU\(\) Y'j ca '\&*'' 5i [i gh'V]g'\&\+\"'GYdhYa VYf'Y]b[Yf]W\hYh\"'\<]YfVY]'\UbXY\hYg'g]W\ia ': Y\`gg]W\Yfi b[gUfVY]hYb\z'\X]Y'YVYb\ZU\`g'i bYf\\Agg\`]W\'g]b\X\z'i a X]Y'J\Yf_Y\fgg]W\Yf\Y]h']b'\X]YgYa '6YfY]W\'ni '[Yk\A\f\Y]ghYb\"'\9]bY a cV]\Y'5a dY\`k]fX'\XYb'J\Yf_Y\f'k \A\fYbX'\XYf'GdYffi b['fY[Y\b' i bX'g]W\YfghY\`Yb\z'\XUgg'\X]Y': U\fn\Yi [Y'k\YW\gY\gY]h]['Ub'\X\Yf 6Ui ghY\`Y'j cfVY]\ZU\fYb'_\ObbYb\"8]\YgY'@\Ogi b['\]\'Zh\z'\Yb J\Yf_Y\fgZi gg'gc'[i h'k]\Y'a \O[\]\W\'Ui \ZfYW\hni \Yf\U\hYb'i bX'GhUi g ni 'j\Yfa\Y]\X\b"

8]Y'GhUXhj Yfk U`hi b[']gh'g]W\'XYf'I bUbbY\a`]W_Y]hYbž'X]Y'Xi fW\X]YgY'6Ui ghY``Yb'YbhghY\Yb'_ÒbbhYbž'VYk i ggh'i bX'V]hhYh'X]Y
5bk c\bYf'gck]Y'X]Y'8i fW\fY]gYbXYb'i a 'J YfghÀbXb]g"'8]Y
5fVY]hYb'g]bX'Ui Z'Y]b'A]b]a i a 'XYf'NY]h'VYgW\fÀb_hž'i a 'X]Y
6Y`Ughi b[Yb'ZØf'U``Y'6YhfcZZYbYb'gc'[Yf]b['k]Y'a Ò[`]W\'ni\U`hYb"

$K \]WX h][\ \underline{Y}]h \ XYf \ 6Ui \ a \ U > b U \setminus a \ Yb$

 $8] Y G] W Y f g h Y ``i b ['Y] b Y f Z b _ h] c b] Y f Y b X Y b * b Z f U g h f i _ h i f '] g h Z Ø f Y X Y G h U X h j c b ``U i g g W ``U [[Y V Y b X Y f `6 Y X Y i h i b [" '8] Y `[Y b U b b h Y b D f c Y _ h Y 'g] b X `X U f U i Z `U i g [Y `Y [h z X] Y `@ U b [`Y V] [_ Y] h `X Y f `G h f U » Y b i b X `X] Y `G] W X Y f \ Y] h `U ``Y f J Y f _ Y \ f g h Y] `b Y \ a Y f `n i ` [U f U b h] Y f Y b " ; Y f U X Y X] Y `F Y d U f U h i f `i b X `K U f h i b ['j c b `? U b U `X Y W _ Y `b `g] b X `c Z h `] b X Y f : c ` [Y 'j c b `K] h h Y f i b [g V Y X] b [i b [Y b `i b X `X Y a `U `` [Y a Y] b Y b J Y f g W X `Y] » `b O h] [" `8] Y `G h U X h ` X b U `j Y f Z c ` [h `a] h `X] Y g Y b `A U » b U \ a Y b X U g `N] Y `z `X] Y `@ Y V Y b g e i U `] h A h `] \ f Y f `6 Ø f [Y f `X i f W `Y] b Y `g] W Y f Y `i b X [i h `Y f \ U `h Y b Y `J Y f _ Y \ f g] b Z f U g h f i _ h i f `n i ` j Y f V Y g g Y f b "$

 $Yfa \ \grave{O}[\ `]W\&h\check{z}'g]W\&hY]h][\ `Ui \ Z'X]Y'JYf\grave{A}bXYfi \ b[\ Yb'Y]bni \ ghY``Ybi bX`U`hYfbUh]j \ Y`Fci \ hYb'ni \ `k \ \grave{A}\ `Yb''$

8]Y'UbghY\YbXYb'AU» bU\a Yb'g]bX'Y]b'k Y]hYfYg'6Y]gd]Y``XUZØfŽk]Y'k]W\h]['dfcU_h]j Y'\DZfUghfi_hi fdc`]h]_']gh"8i fW\fY[Y`a À»][Y K Ufhi b['i bX'A cXYfb]g]Yfi b['_\ObbYb'dchYbn]Y``Y'DfcV`Ya Y ZfØ\nY]h]['Yf_Ubbh'i bX'VY\cVYb'k YfXYbž'k Ug``Yhnh`]W\'XYb'GhfYgg]a '5``hU['XYf'6Øf[Yf'a]b]a]Yfh'i bX'ni f'G]W\Yf\Y]h'U``Yf'VY]hfÀ[h"

JYf_Y\fgVY\]bXYfi b[Yb']b'\def bU.'8]Y'U_hi Y``Yb'6Ui ghY``Yb'ZØ\fYbg]W\Yf`]W\'ni 'Y]b][Yb'JYf_Y\fgVY\]bXYfi b[Ybž'X]Y'gck c\`
5i hcZU\fYf'U`g'Ui W\': i » [Àb[Yf'i bX'FUXZU\fYf'VYhfYZZYb"'8]Y
GhUXhj Yfk U`hi b['\Uh'YXcW\'VYfY]hg'A U» bU\a Yb'Yf[f]ZZYbž'i a
X]Y'I a `Y]hi b[Yb'_`Uf'ni '_YbbnY]W\bYb'i bX'U`hYfbUh]j Y'Fci hYbUbni V]YhYb"

8]Y; fi bXgUhnYbhgW\Y]Xi b[ž'GhfU» YbgUb]Yfi b[Yb'Xi fW\ni ZØ\fYbž\Uh'\Ài Z]['dcg]h]j Y'`Ub[Zf]gh][Y'5i gk]f_i b[Yb'Ui Z'X]Y

JYf_Y\fgg]W\Yf\Y]h'i bX'GhfU» Ybei U`]hÀh"'HYa dcfÀfY

6YY]bhfÀW\h][i b[Yb'XYg'JYf_Y\fg'g]bX'\]YfVY]'cZh'bchk YbX][ž'i a

X]Y'\DZfUghfi _hi f']b'Y]bYa '[i hYb'Ni ghUbX'ni '\U`hYb"

; $YgWX]WXhY`XYf`JYf_Y\fgd`Ubib[`]b`>YbU$

8]Y'JYf_Y\fgd`Ubi b[']b'\bU'\Uh'g]W\'\ØVYf'X]Y'\b\\fY'ghUf_
[Yk UbXY`h"'\D'XYb'`YhnhYb'\b\\fnY\bhYb'[UV'Yg'] YfgW\]YXYbY
\D']h]Uh]j Yb'ni f'JYfVYggYfi b['XYf'JYf_Y\fg]bZfUghfi _hi fž'XUfi bhYf
XYf'5i gVUi 'j cb'F UXk Y[Yb'i bX'X]Y'9]bZØ\fi b['j cb
j Yf_Y\fgVYfi \][hYb'NcbYb"'8]Y'GhUXhj Yfk U`hi b['\Uh'Yf_Ubbhž
XUgg'Y]bY'[i h'Ui g[YVUi hY'\D'ZfUghfi _hi f'YbhgW\Y]XYbX'ZØf'X]Y
@YVYbgei U`]hÀh'XYf'6Øf[Yf']ghž'i bX']bj Ygh]Yfh'XU\Yf'_cbh]bi]Yf`]W\
]b'6Ui!'i bX'GUb]Yfi b[gdfc'Y_hY"

Ÿ\b`]W\Y'6Ui ghY``Yb'i bX'GUb]Yfi b[Yb'[UV'Yg']b'XYf

JYf[Ub[Yb\Y]h']a a Yf'k]YXYfž'VYgcbXYfg'j cf'[fc»Yb'_i `hi fY``Yb
cXYf'gdcfh`]W\Yb'JYfUbghU`hi b[Ybž'X]Y'ØVYffUgW\YbX'j]Y`Y
6Ygi W\Yf'Ubn]Y\Yb"'6Y]gd]Y`gk Y]gY'k i fXYb'j cf'XYa
9fÒZZbi b[ggd]Y``XYf'Jc``YmVU``!K Y`ha Y]ghYfgW\UZhYb'&\$%-

i a ZUggYbXY'GhfU» Yba U» bU\a Yb'Xi fW\[YZØ\fhž'i a 'XYb JYf_Y\fgZi gg'ni 'cdh]a]YfYb"'8]Y'U_hi Y``Yb'6Ui ghY``Yb']b'XYf 6fØW_YbghfU» Y'i bX'XYf'6Yfhc`h!6fYW\h!GhfU» Y'_ÒbbhYb'gca]h']b Y]bYb'\]ghcf]gW\Yb'?cbhYl h'XYf'ghÀXh]gW\Yb'JYf_Y\fgd`Ubi b[Y]b[YcfXbYh'k YfXYb"

JYf_Y\fgghUh]gh]_ i bX 8UhYb ni f G]hi Uh]cb]b >YbU

fYX

8 YhU]`g

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