

A UgWX]bYbVUi ']b'XYf'?f]gY. '5i ZhfÀ[Y VfYWXYb']a '5df]`ia '*ı 'Y]b'

FØW_[Ub['XYf'BYiUbhfÀ[Y']a 'A UgW\]bYbVUi '8Yi hgW\`UbXg]a '5df]`'&\$&) /'I fgUW\Y.'Nc``ghfY]h'i bX'k Y`hk Y]hY I bg]W\Yf\Y]h"

8]Y I bg]WX Yf\Y]h Ui Z XYb [`cVU`Yb A Àf_hYb ZØ\fh ni 'Y]b Yf gd Øf V Uf Yb = bj Ygh]h]cbgni f Ø W_\U hi b["K À\fYb X XYf J Yf V Ub X 8 Yi hg WX Yf A Ug WX]b Yb! i b X 5 b `U[Yb V Ui 'f J 8 A 5 ½ ZØf 'X]Y 'Y fgh Y b j]Yf A cb Uh Y *& \$ &) 'Y]b ``Y] WX h Yg 5 i Zhf U[gd `i g 'j cb '% ']a 'J Yf[`Y] WX ni a 'J cf 'U\f 'a Y `XYh z 'g c 'n Y][h 'g] WX ']a '5 df] ``Y]b V Yg cf[b]g Yff Y[Yb XYf 'H f Yb X " = b` Ub X 'j Yfn Y] WX b Yh Yb 'X]Y '5 i Zhf A[Y Y]b 'A]bi g 'j cb '(i z 'k À\f Yb X 'X Yf 'F Ø W_[Ub[']a '5 i g` Ub X 'g c[Uf '+ i V Yh fi [z 'a]h Y]b Ya 'a Uf_Ub h Yb 'A]bi g 'j cb '%' i 'V Y] `X Y b ' Yg WX À Zh Yb 'a]h 'B] WX h ! 9 i f c! @ Ab X Y f b "

: UWX`]WXY'9]bgWXAhnib[Yb

J8A5!7\YZjc`_gk]fh'≈\UbbYg'; YfbUbXh'aY]bhž'XUgg'XYf FØW_[Ub[ž'hfchn'XYf'V]q\Yf][Yb'[ihYb'NU\`Ybž'U`q'YfkUfhVUf Ubni gY\Yb']gh"'9f'ZcfXYfh'i a [Y\YbX'A U» bU\a Yb'j cb'XYf 6i bXYgfY[]Yfi b[ž'i a 'X]Y'5hhfU_h]j]hÀh'XYg'GhUbXcfhg 8Yi hgWX`UbX'ni 'ghÀf_Yb"' \delta 'Y]bYa 'k Y]hYfYb'6Yf]WXh'j cb'K Y`h k]fX'XYi h`]WXž'XUgg'XYf'A UgWX]bYbVUi ']a '\delta `]'nk Uf'dfY]gVYfY]b][h I a gÀhnY'ghY][Yfb'_cbbhYž'YXcWX'Ui Z[fi bX'a Ub[Y`bXYf'bYi Yf 6YghY``i b[Yb'a]h'Y]bYf'j Yff]b[YfhYb'DfcXi_h]cb'fYWXbYb'a i gg" 8Yf'J 8A 5 'k Ufbhž'XUgg'XYf'Di ZZYf'ZØf'DfcXi_h]cb'i bX'l a gUhn gi _nYgg]j Y'UVb]a a h"

=a '\(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}\) \(\frac{1}\) \(\fra

FY[]cbU`Y`I bhYfgWX]YXY

9]b '6']W_'Ui Z'fY[]cbU'Y'I bhYfgW\]YXY'nY][hž'XUgg']b '6UXYb! K ØfhhYa VYf['X]Y'5i ZhfU[gY]b[Åb[Y']a '5df]'\&\$&) 'fYU'i a '*ı ']a JYf['Y]W\'ni a 'J cf'U\fYga cbUh'gh]Y[Ybž'k Å\fYbX'XYf cghXYi hgW\Y'A UgW\]bYbVUi 'i bhYf'gW\k UW\Yb 5i g`UbXgVYghY``i b[Yb'`Y]XYhž'U``YfX]b[g'j cb'Y]bYf'ghUf_Yb 6]bbYbbUW\ZfU[Y'dfcZ]h]Yfh''\ \Rightarrow 'BcfXf\Y]b!K YghZU`Yb'gUb_'XYf 6YghY``Y]b[Ub[']a 'A UgW\]bYbVUi ']a 'A Åfn'&\$&) 'i a '&&ı 'i bhYf XUg'J cf'U\fYgb]j YUi ž'k Å\fYbX'6UmYfb'Y]bYb'5bgh]Y['j cb'' *ı fY[]ghf]YfhY''

8]YgY'fY[]cbU`Yb'5VkY]W\ib[Yb'ibhYfghfY]W\Yb'X]Y
ibhYfgW\]YX`]W\Yb'<YfUigZcfXYfib[Yb'ibX'7\UbW\bž'a]h'XYbYb
X]Y'6fUbW\Y'_cbZfcbh]Yfh']gh''8]Y'9bhk]W_`ib[']a'AUgW\]bYbVUi
V`Y]Vh'gca]h'Ub[YgdUbbhž'ibX'Yg'VYXUfZ'[Yn]Y`hYf'AU»bU\aYbž
ia'X]Y'GhUV]`]hÀh'ibX'Ni_ibZhgZÀ\][_Y]h'XYf'6fUbW\Y'ni
[Yk À\f'Y]ghYbž'k]Y'UiW\'UiZ'J 8 A 5'VYhcbh'k]fX''

8 Y hU]`g	
J c fZU``	I bhYfbY∖a YbgZ g]cb
I fgUW Y	9g_U`Uh]cb'XYg'Nc``ghfY]hgž'\c\Y'l bg]W\Yf\Y]h k Y`hk Y]h
Cfh	6UXYb!K ØfhhYa VYf[ž8Yi hgWX`UbX
EiY``Yb	k k k "nj k "XYk k k "k Y`h"XYk k k "j Xa U"cf[

6Ygi WXYb G]Y i bg Ui Z. b!U["bYh