

9]bgUa 'Ub'< Y]`][UVYbX3'Gc'ZY]Yfb'G]Y K Y]\bUW\hYb']b'[i hYf'; YgY``gW\UZh°



±0.6Yf`]b`i bX:6fUbXYbVi f['k]fX:X]YgYg'K Y]\bUW\hYb'b]Ya UbX
U``Y]b'j YfVf]b[Yb'a ØggYb°:8]Y'±0]h]Uh]j Y' K]f'K Y]\bUW\hYb 'Ui Z
bYVYbUb"XY'V]YhYh'Y]bY'J]Y`nU\``Ub': Y]Yf`]W_Y]hYb'i bX
JYfUbghU`hi b[Ybž'gcXUgg'U``Yž'cV'\f b['cXYf'U`hž'hY]`\UVYb
_`ObbYb"'8Ug'5b[YVch'i a ZUggh'K Y]\bUW\hga Àf_hYž'?cbnYfhY'i bX
gc[Uf'Y]b'i _fU]b]gW\Yf'5VYbX'ZØf'X]Yž'X]Y']b'; YgY``gW\UZh'gY]b
a OW\hYb"'6]g'Yhnh'g]bX``Ui h'\n!VYf`]b"XY'VYfY]hg'Yhk U'' +\$\$
5_h]cbYb'Ub[Ya Y`XYhž'k cVY]'Y]bY'j cf\Yf][Y'FY[]ghf]Yfi b[
YfZcfXYf`]W\']gh"

6YgcbXYfg⁻ZØf⁻Y]bgUa Y⁻A YbgWXYb⁻[]Vh⁻Yg⁻nU\⁻fY]WXY A Ò[⁻]WX_Y]hYbž⁻k]Y⁻X]Y⁻<Y]⁻][UVYbX!; U⁻U⁻j cb⁻6]f[]hhU⁻i bX⁻K YfbYf BUWXh][U⁻ž⁻X]Y⁻gY]h⁻%- - & 'Y]bY⁻ZYgh⁻]WXY⁻5ha cgd\ÀfY⁻a]h⁻9ggYbž Aig]_ibXiH\YUhYfi]a iCfUb]YbkYf_ ?i `hi fGUU` i]biCfUb]YbVif[V]YhYb" 8]Ygi]ghiYXcWXib]WXhiX]YiY]bn][YiCdh]cb. ib[Y 9fk UWXgYbYi_ObbYbig]WXiØVYfi ?Y]bYffV`Y]VhiU``Y]b iUbZfYi bXYbži bXiGYb]cfYbi, !*\$i_ObbYbiX]YiUbcbma YiHY`YZcb\ch`]bY G]`VYfbYhnibi hnYbžiX]Yi]biX]YgYa i\U\fiVYfY]hgi%,) "\$\$\$i5bfi ZY j YfnY]WXbYhi\Uh" 8]YgYi<ch`]bYi]ghij ca i&("i8YnYa VYfiV]gi%" \UbiUfi&\$&) ifi bXii a iX]Yil\fiYffY]WXVUf" 8]Yi9]b`UXi b[ini [Ya Y]bgUa Ybi: Y]YfbiYfghfYW_hig]WXiUi WXiUi Zi; Ya Y]bXYbik]YiX]Y \IffYfa]U_]fWXYZiX]Yii a i%*.'\$il\fini fi7\f]ghj YgdYfY]b`AXhii bX UbqWX`]Y»YbXYi: Y]Yf`]WX_Y]hYbid`Ubh"

KY]\bUW\hYb``NY]h`XYf`6Yg]bbib[

 $K Y] \ b UW h h b k] f X b] W h b i f U g f Y] [] \dot{Q} Y g : Y g h k U f [Y b ca a Y b z g c b X Y f b 'U i W X 'U g 'Y] b Y 'h] Y Z Y f Y 'g ma V c `] g W Y 'N Y] h X Y g '@] W h Y g 'i b X X Y f '< c \(Z \) b i b ["' \(\delta \) X Y f 'U b h \(f c d c g c d \)] g W Y b 'G] W h k Y] g Y 'g h Y \ h X U g : Y g h] a 'N Y b h f i a 'X Y g '_c g a] g W Y b '; Y g W Y \ Y b g z k c 'X] Y 'g d] f] h Y `` Y G c b b Y 'n i f 'A \ f `] W Y b 'K Y b X Y '] \ f Y b '\ \(\delta W g h Y b 'G h U b X 'Y f f Y] W h '' @ U i h ' \(\delta V C f Z g \) c d "Y i '] g h 'K Y] \ b U W h Y b 'Y] b Y '; Y `Y [Y b \ Y] h z \] \[b b Y n i \ U `h Y b ' i b X 'g] W 'U i Z 'X] Y 'k] f _`] W 'k] W h] [Y b '8] b [Y '] a '@ Y V Y b n i 'V Y g] b b Y b ''$

9ggYb'i bX'@]YVY']b'XYf'8i b_Y`\Y]h' 'K Y]\bUW\hYb'j Yf_ÒfdYfh Y]bY'NY]hž']b'XYf'k]f'i bg'Ub'XUg'HY]'Yb'i bX'X]Y'; Ya Y]bgW\UZh Yf]bbYfb"'8]Y'U``Yg'ØVYfghfU\`YbXY'6YXYi hi b['j cb'@]W\h']b'XYf 8i b_Y`\Y]h'k]fX'gck c\``]b'XYb'ZYgh`]W\Yb'6fÀi W\Yb'U`g'Ui W\']b XYf'DYfgÒb`]W\Yb'NY]hj YfVf]b[i b['XYi h`]W\"'D`ÀhnW\Yb'VUW_Ybž?YfnYb'n]Y\Yb'cXYf'XYf'[Ya Y]bgUa Y'K Y]\bUW\hgVUi a 'g]bX HfUX]h]cbYbž'X]Y'Ui W\'Ui g'XYf'K U`XcfZdÀXU[c[]_'ghUa a Yb'i bX XYb'?]bXYfb'X]Y': YghY'bÀ\YfVf]b[Yb"

8 YhU]`g	
EiY``Yb	• k k k "Vn!VYf`]b"XY
	• k k k "k U`XcfZg\cd"Yi

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!VYf`]b "bYh