

GhfY]h']b'6Yf`]b.'J]Yf'A ÀbbYf'bUW A YggYfUhhUW_Y'gWk Yf'j Yf`Yhnh

6Y]'Y]bYa 'GhfY]h'bU\Y'XYa '6Yf`]bYf'<Ui dhVU\b\cZ'k i fXYb j]Yf'A ÀbbYf'gWk Yf'j Yf`Yhnh/'Y]b'A YggYf'k Uf']a 'Gd]Y`" 9fa]hh'i b[Yb'`Ui ZYb"

GhfY]h']b'XYf'<UidhghUXh.'5igk]f_ib[Yb'UiZ X]Y'G]WXYf\Y]h']b'6Yf`]bYf'=bbYbghUXh

9]b'JcfZU```Ua 'gdÀhYb'5VYbX']b'XYf'di `g]YfYbXYb'A Yhfcdc`Y 6Yf`]b'k]fZh': fU[Yb'ni f'G]W\Yf\Y]h']b'XYf' ♣bYbghUXh'Ui Z''J]Yf A ÀbbYf'k i fXYb'VY]'Y]bYa 'GhfY]h']b'XYf'BÀ\Y'XYg'< Ui dhVU\b\cZg gW\kYf'j Yf`Yhnh'i bX'a i gghYb']bg'?fUb_Yb\Ui g'Y]b[Y`]YZYfh kYfXYb"

8 YhU]`g`XYg`JcfZU``g

 $8]Y \cdot 5 i gY] b U b XY f gY hni b [\cdot Z U b X \cdot U i Z \cdot XY f \cdot; i gh U j ! < Y] b Y a U b b ! 6 f Ø W_Y gh U h h z X] Y \cdot Y] b Y \cdot k] W h h j [Y \cdot U Y f V] b X i b [\cdot n k] g W Y b \cdot X Y a \cdot < U i d h V U \ b \ c Z i b X \cdot X Y a \cdot F Y [] Y f i b [gj] Y f h Y \cdot V] \cdot X Y f \cdot 9 g_U \cdot U h] c b \cdot X Y g \cdot G h f Y] h g k U f \cdot U i h \cdot D c \cdot] n Y] \cdot Y b \cdot A Y g g Y f \cdot] a \cdot G d] Y \cdot z k U g \cdot X Y b \cdot 9 f b g h \cdot X Y f \cdot @ U [Y i b h Y f g h f Y] W h h \cdot 8] Y \cdot A \cdot b b Y f \cdot Y f \cdot] Y \cdot h Y b \cdot A i g Y f h f U b g d c f h] Y f h k i f X Y b \cdot \cdot A f n h Y b \cdot \cdot G \cdot Y b \cdot A i g Y f \cdot h U b g d c f h] Y f h k i f X Y b \cdot \cdot Y b \cdot A i g Y f \cdot A f n h Y b \cdot A i f X Y b \cdot \cdot A f n h Y b \cdot A i f X Y b \cdot \cdot \cdot A i f X Y b \cdot$

8Yf?cbhYlh'XYfG]WXYf\Y]h']b'XYfGhUXh

 $8] YgYf'JcfZU```]gh'b]WXh']gc`]Yfhž'gcbXYfb'fY] \h'g]WX']b'Y]bY'FY] \Y b Cb'Nk] gWXYbZÀ``Yb']b'i fVUbYb'NYbhfYb'Y]bž'X]Y'6YXYb_Yb \]bg]WXh`]WX'XYf'ÒZZYbh`]WXYb'G]WXYf\Y]h'Ui Zk YfZYb'''8]Y'BÀ\Y'XYg$

; YgWXY\Ybg`ni a `FY[]Yfi b[gj]YfhY`ž'k c`k]WXh][Y`dc`]h]gWXY
9bhgWXY]Xi b[Yb`[YhfcZZYb`kYfXYb`i bX`\c\Y`6Ygi WXgnU\`Yb
\YffgWXYbž'jYfghÀf_h'X]Y`5i Za Yf_gUa _Y]h'Ui Z`gc`WXY`?cbZ]_hY"
G]WXYf\Y]hgYI dYfhYb`k UfbYbž'XUgg`Yg`ZØf`GhÀXhY`k]WXh][`]ghž
GhfUhY[]Yb`ni f`; Yk U`hdfÀj Ybh]cb`ni Ybhk]W_Y`b"

8]Y'Fc``Y'XYf'Dc`]nY]

8]Y'Dc`]nY]'\Uh'VYfY]hg'9fa]hhìi b[Yb'Y]b[Y`Y]hYhž'i a 'XYb'[YbUi Yb JYf`Ui Z'XYf'9fY][b]ggY'ni '_`ÀfYb"'8]Y' \$\times hYfj Ybh]cb'j cb 9]bgUhn_fÀZhYb']gh'YbhgW\Y]XYbXž'i a 'gc`W\Y'G]hi Uh]cbYb'gW\bY`` i bhYf'?cbhfc``Y'ni 'Vf]b[Yb'i bX'X]Y'ÒZZYbh`]W\Y'CfXbi b[Ui ZfYW\hni Yf\U`hYb"'8]YgY'JcfZ\``Y'_\ObbYb'b]W\hibi f 9]bnY`dYfgcbYb'VYhfYZZYbž'gcbXYfb'Ui W\'XUg'U``[Ya Y]bY G]W\Yf\Y]hg[YZ\\``XYf'6\Øf[Yf'i bX'Hci f]ghYb']b'XYf'GhUXh VYY]bZi ggYb"

9a dUh\] $Y'i bX'; Ya Y]bgWX UZhg[YZØ\`$

 $\pm 0. XYf \cdot GhUXh[YaY]bgWWUZh \cdot]ghYg'k]WWh][Z'XUgg'gc`WWY'JcfZÅ``Yb]WWh'bif'_f]a]bU`hYWWb]gWWVYhfUWWhYh'kYfXYbZ'gcbXYfb'UiWWXUg'JYfghAbXb]g'ZØfY]bUbXYf'[YZÒfXYfh'k]fX''';YkU`hZ'VYgcbXYfg]b'XYf'^2ZZYbh`]WW_Y]hZ'YfnYi[h'Y]b'?`]aU'XYf'5b[gh'ibXIbg]WWYf\Y]h''8]Y'6Ykc\bYf'ibX'6YgiWWYf'6Yf`]bg'aØggYb'g]WW']b]\fYf'GhUXh'g]WWYf'ZØ\`YbZ'kUg'X]Y'GWWUZZib['Y]bYg'fYgdY_hjc``YbA]hY]bUbXYfg'YfZcfXYfh''$

: Un]h

8 Yf J cfZU```]b XYf B À\Y XYg 6 Yf `]b Yf < Ui dhV U\b\c Zg `]gh a Y\f `U`g bi f 'Y]b Y gWX f Y W_`]WX Y 5 i gY]b Ub XYfg Y hni b [/ Yf `]gh Y]b `N Y]WX Y b ž XUgg X]Y < Yf Ui g Zc f X Yf i b [Yb X Yf `i f V Ub Y b `G]WX Yf\Y]h Yf b gh [Yb ca a Yb `k Yf X Yb `a Øgg Y b " 8]Y `GhUXh `i b X `]\f Y `6 Y k c\b Yf `g]b X Ui Z[Yf i Z Y b ž A U» b U\a Yb `n i f ; Yk U`hd f A j Yb h]c b `n i 'Yf [f Y] Z Yb `i b X X Yb `OZZ Y b h`] WX Yb `F Ui a 'U`g Y]b Yb `C f h X Yf `6 Y [Y [b i b ['i b X X Y g f Y g d Y _h j c ``Yb `A]h Y]b Ub X Yf g `n i `[Y g h U`h Y b "

8 YhU]`g

6Ygi WXYb G]Y i bg Ui Z a Y]b!VYf`]b bYh