

?]b X Y f 'Y b h X Y \underline{W} Y b 'X] Y '[Y \ Y] a Y b G W\ Ob \ Y]hg[Y \ Y] a b]gg Y 'X Y f 'F Oa Y f]b b Y b °

?]bXYf'YbhXYW_Yb'X]Y'FÒa Yf[YgWX]WXhY']b'BYi!l `a . K cf_g\cd'a]h'5fWXÀc`c[]b'nY][h'5``hU[gdfcXi_hY'i bX 6YghUhhi b[gf]hi U`Y"



BYi !I `a ž8Yi hgW\`UbX`! =a `@UbX_fY]g`BYi !I `a `k]fX ; YgW\]W\hY``YVYbX][°'< Yi hYž'Ua `%%" \Rightarrow b] `&\$&) ž`\UVYb`g]W\`bYi b bYi []Yf][Y`?]bXYf`Ui Z`Y]bYb`gdUbbYbXYb`GhfY]Zni [`Xi fW\`X]Y JYf[Ub[Yb\Y]h`VY[YVYb" =a `?fY]ga i gYi a `CVYfZU\`\Y]a `ZUbX`Y]b K cf_g\cd`i bhYf`XYf`@Y]hi b['j cb`?fY]gUfW\\Ac`c[]b`8Ub]Y`U 8Yd`Ubc`ghUhhž`XYf`9]bV`]W_Y`]b`XUg`@YVYb`XYf`F\Oa Yfž`?Y`hYb`i bX 5`Ya UbbYb`Vch" =8 JY`GK D`VYf]W\\hYhž`XUgg`X]Y`?]bXYf`XUVY] b]W\\h'bi f'j]Y```YfbhYbž'gcbXYfb`Ui W\`U_h]j`Ub`X]j YfgYb`GhUh]cbYb hY]`bY\a Yb`_cbbhYb"

9]b'<][\`][\h'XYg'K cf_g\cdg'k Uf'X]Y'J cfZØ\fi b[ž'k]Y FÒa Yf]bbYb']\f'GW\a]b_di `j Yf'nYff]YVYbž'i a 'g]W\'ZØf'ZYgh`]W\Y 5b`ÀggY'j cfni VYfY]hYb"'8]Y'?]bXYf'YfZi \fYb'XUVY]'Ui W\ gdUbbYbXY'; YgWX]WXhYb'Ui g'XYf'A mh\c`c[]Yž'k]Y'X]Y'j cb'A YXi gU i bX'XYf'; Ohh]b'5h\YbY"'8]YgY'9]bV`]W_Y'g]bX'VYgcbXYfg'k Yfhj c``ž XYbb'g]Y'nY][Ybž'XUgg'X]Y'5bh]_Y'a Y\f'ni 'V]YhYb'\UhhY'U`g'bi f?Àa dZY'i bX'GWX`UWXhYb"

JYfVcf[YbY'GWXAhnY'Uig'XYf'FY[]cb

 $\label{eq:ninxyb-6} Ni `XYb`6YgcbXYf\Y]hYb`XYg`K cf_g\cdg`[Y\OfhY`X]Y`5i gghY``i b[jcb`: i bXghØW_Yb`Ui g`BYfg]b[Yb`i bX`=`Yfh]ggYbžX]Y`jcb`8Yd`UbcUbgW\Ui `]W\`dfAgYbh]Yfh`k i fXYb"`8]Y`U_hi Y``Y`5i gghY``i b[`a]hXYa`H]hY``: fUi Yb``?i bgh``5fW\Ac`c[]Y``nY][h`; fUVVY][UVYbUi g`: fUi Yb[fAVYfb`i bX`[]Vh`XYb`6Ygi W\Yfb`i bX`jcf`U``Ya`XYb^b[Yb`HY]`bY\aYfb`Y]bYb`ZUgn]b]YfYbXYb`9]bV`]W_`]b`XYb`5``hU[XYf`XUaU`][Yb`; YgY``gW\UZh"`@Ui h`GK D`\Uh`8Yd`Ubcž`X]Y_``Ugg]gW\Y`5fW\Ac`c[]Y`]b`5i [gVi f[`i bX`6Yfb`ghi X]Yfh`\Uhž]b`XYb`YhnhYb`XfY]`$U\fYb`fY[Y`a\A\][`]bhYfYggUbhY`_`Y]bY`5i gghY``i b[Ybcf[Ub]g]Yfhž`XU`XYf`@UbX_fY]g`_Y]b`Y][YbYg`UfW\Ac`c[]gW\YgAi gYi a`VYg]hnh"$

8cW.'b]Wh'bi f'XUg'fÒa]gW\Y'9fVY'_ca a h']a 'K cf_g\cd'ni f GdfUW\Y"5i W\'X]Y'?i 'hi fYb'XYf'?Y'hYb'i bX'; Yfa UbYb'i bX'XYfYb HchYbVfÀi W\Y'gd]Y'Yb'Y]bY'nYbhfU'Y'Fc'`Y"'8Yf'@J'%, +%'\YVh\Yfj cfž'XUgg'X]Y', VYf`]YZYfi b[Yb'ØVYf'XYb'5``hU['XYf'?Y`hYb'i bX'; Yfa UbYb'j cf'U``Ya 'j cb'XYb'FÒa Yfb'ghUa a Ybž'XU'X]YgY'_Y]bY Y][YbY'GW\f]Zh_i `hi f'\UhhYb"

?i`hi fY``Y`6fÀi WXY'i bX >YbgY]hgj cfghY``i b[Yb

8]Y'6Yf]W\hY'ØVYf'HchYbVfÀi W\Y'Yfa Ò[`]W\Yb']bhYfYggUbhY
FØW_gW\`ØggY. K À\fYbX'X]Y'?Y`hYb'j cb'\YhYfc[YbYb

*\bgY]hgj cfghY``i b[Yb'[YdfÀ[h'k UfYbž'[`Ui VhY'a Ub'cZh'Ub'Y]bY
dUfUX]Yg]gW\Y'5bXYfgk Y`hž'k c'?f]Y[Yf'VYgcbXYfg'df]j]`Y[]Yfh
k UfYb"'G]Y'k UfhYhYb'Ui Z'X]Y'Gh]a a Y'Y]bYg'I bg]W\hVUfYbž'XYf
]\bYb'XYb'9]bhf]hh']b'X]YgY'K Y`h'[Yk À\fhY"'8]Y'; Yfa UbYb
\]b[Y[Yb'\UhhYb'j Uf]]YfYbXY'J cfghY``i b[Ybž'X]Y'a]h'XYa
VYfØ\a hYb'K U`\U``U'`ZØf'[YZU``YbY'?f]Y[Yf'Yb['j Yf_bØdZh'q]bX"'@J

%, +%'VYgWX fY]Vh'X]Yg'Ui gZØ\f`]WX'i bX'VY`Yi WXhYhž'k]Y'gck c\`
5b[Y\Of][Y'U`g'Ui WX': Y]bXY'cZh']b'_ca d`Yl Yb'F]hi U`Yb'VY][YgYhnh
k i fXYb"

 $8]Y'K cf_g cdg'] a ?'fY] ga i gYi a `V] YhYb'b] Wh'bi f'Y] bYb \\ gd UbbYbXYb'9] bV'] W_'] b'X] Y'JYf[Ub[Yb \Y] hž'g] Y'ZÒfXYfb'Ui W\'XUg \\ J Yfgh AbXb] g'ZØf'i bgYfY'_i `hi fY``Yb'K i fnY`b''' \DY Y] bYf'NY] hž'] b'XYf \\ k]f'c Zh'j cb'XYf' < Y_h]_'XYg'5``hU[g'ØVYfa Ubbh'k YfXYbž'] gh'Yg \\ i a gc'k Yfhj c``Yfž'k Ybb'?] bXYf'[YgWk] Wkh`] WkYg'K]ggYb'Ui Z \\ i bhYf \U`hgUa Y'K Y] gY'j Yfa]hhY`h'VY_ca a Yb'''8] Y'6Y[Y] ghYfi b[XYf'?] bXYf'ZØf'X] Y'ØVYf'&$$$'\DY U`hY'; YgWk] WkhY'a UWkh XYi h`] WkZ'XUgg'XUg'\DY hYfYggY'Ub'i bgYfYb'JcfZU\fYb'Ui Wk'] b'XYf a cXYfbYb'K Y`h'`YVYbX][']gh''$

8 Y hU]`g	
Cfh	BYi!I`až8YihgWX`UbX
Ei Y``Yb	• k k k "gk d"XY
	• k k k "`j %, +%"XY

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