

@]WX hnUi VYf]b 7 \ Ya b]hn. : Ygh]j U` @][\ h ci f J]g]cb 'Yf `Yi WX hYh X]Y GhUXh°

7\Yab]hn`Yf`YiW\hYh`jca`&("`V]g`&+"`GYdhYaVYf`&\$&)`XUg@]W\h_ibghZYgh]jU``@][\h`cif`J]g]cb ž`kY`W\Yg`]bhYfbUh]cbU`Y ?Øbgh`Yf`ibX`6Øf[Yf`VYhY]`][Yb`k]fX"



8 Ug:: Ygh]j U`'j Yfgdf]W\hž'7\Ya b]hn']b'Y]b'_fYUh]j Yg'@]W\hYfa YYf'ni j Yfk UbXY`b"'DfU_h]gW\'U``Y'nYbhfU`Yb'D`ÀhnY'XYf'\bbYbghUXh k YfXYb'j cb'XYb'_Øbqh`Yf]qW\Yb'\bqhU``Uh]cbYb'YfZUqqhž'XUfi bhYf XYf'<Ui dhVU\b\cZ*AUf]Ybd`Uhnž'H\YUhYfd`Uhnž'XUg'?Uf`!AUfl! Acbi a Ybh'i bX'XYf'GhUXh\U``YbdUf_"@JW\h]bghU``Uh]cbYb'\YVYbb]W\h'bi f'X]Y']bX]j]Xi Y``Yb'; YgW\]W\hYb'X]YgYf'CfhY'\Yfj cfžgcbXYfb'ZÒfXYfb'Ui W\Y]bYb'8]U`c['ØVYf'X]Y'ni _ØbZh][Y'Bi hni b[i bX'; YghU`hi b['XYf'ÒZZYbh`]W\Yb'FÀi a Y"

?i`hi fY``Y'J]Y`ZU`h']a 'GWXY]b'XYf'@]WX hYf

9]bYg'XYf'<Ui dhn]Y`Y'XYg': Ygh]j U`g']gh'Ygž'X]Y'_i `hi fY``Y'J]Y`ZU`h i bX'XUg'_fYUh]j Y'DchYbn]U`'7\Ya b]hn 'ni f'; Y`hi b['ni 'Vf]b[Yb" 8]Y'Cf[Ub]gUhcfYb'gYhnYb'XUVY]'Ui Z'dUfh]n]dUh]j Y'9`Ya YbhYž'X]Y X]Y'`c_U`Y'6Yj Ò`_Yfi b['U_h]j 'Y]bV]bXYh"'K cf_g\cdgž': \emptyset \fi b[Yb i bX']bhYfU_h]j Y' \pm bghU``Uh]cbYb'gW\UZZYb'Y]b'; Ya Y]bgW\UZhg[YZ \emptyset \` i bX'Yfa Ò[`]W\Yb'XYb'6Ygi W\Yfbž'X]Y'?i bgh'\Ui hbU\'ni 'Yf`YVYb" 8Yf'dcg]h]j Y'Ni gdfi W\'ni 'À\b`]W\Yb'J YfUbghU`hi b[Ybž'k]Y'5? GUW\gYb'ZYghghY``hž'gdf]W\h'Z \emptyset f'XUg'\c\Y' \pm bhYfYggY'XYf'6 \emptyset f[Yf i bX'i bhYfghfY]W\h'X]Y'FY`Yj Ubn'XYfUfh][Yf'Dfc'Y_hY'Z \emptyset f'X]Y GhUXhYbhk]W_`i b["

6Y]a ``YhnhYb`@]Wkh_i bghZYgh]j U`ž`XUg`]a `GYdhYa VYf`&\$&)
ghUhhZUbXž`k i fXYb`ØVYf`) \$"\$\$\$`6Ygi WkYf`[YnÀ\`h"`6YgcbXYfg`XYf
A Uf]Ybd`Uhn`Yfk]Yg`g]Wk`U`g`nYbhfU`Yf`5bn]Y\i b[gdi b_hž`k c`X]Y
Y]bXfi W_gj c``ghYb`]bhYfbUh]cbU`Yb`&ghU``Uh]cbYb`ni `VYghUi bYb
k UfYb"`5i Wk`X]YgYg`&J\f`k]fX`Y]bY`À\b`]WkY`6Y[Y]ghYfi b[
Yfk UfhYhž`XU`X]Y`GhUXh`a]h` @][\h`ci f`J]g]cb `b]Wkh`bi f`Y]b`: Ygh
ZØf`X]Y`G]bbYž`gcbXYfb`Ui Wk`Y]bYb`5i ghUi gWk`ØVYf`X]Y`_i `hi fY``Y

\Rightarrow Ybh]hÀh`i bX`XUg`Ni gUa a Yb`YVYb`]b`i fVUbYb`FÀi a Yb`UbghfYVh"

$BUWX \setminus U^h][Y]h^ibX^iX]Y^Fc^Y^iXYf^?ibgh$

9]b'k Y]hYfYf'gdUbbYbXYf'5gdY_h'XYg': Ygh]j U`g']gh'XYf': c_i g'Ui Z BUW\\U`h][_Y]h' 'gck c\`']b'XYf'hYW\b]gW\Yb'I a gYhni b['U`g'Ui W\]b'XYb'`Ub[Zf]gh][Yb'5i gk]f_i b[Yb'Ui Z'X]Y'GhUXhYbhk]W_`i b["'8]Y @YfbYbXY'GhUXh'\YVh'\Yfj cfž'k]Y'?i bgh']a 'ÒZZYbh`]W\Yb'FUi a b]W\h'bi f'X]Y'Àgh\Yh]gW\Y'K U\fbY\a i b['j YfVYggYfhž'gcbXYfb Ui W\'ni f'=\XYbh]h\hgV]`Xi b['XYf'GhUXh'VY]hf\halla[h''8i fW\'_fYUh]j Y GhUXh[YghU`hi b['k YfXYb'j YfbUW\`\hagg][hY'CfhY'k]YXYfVY`YVh'i bX X]Y'; Ya Y]bgW\UZhgV]bXi b['[Ygh\hallaf-h''

A]h']bbcj Uh]j Yb'5bgÀhnYbž'k]Y'VY]gd]Y`gk Y]gY']bhYfU_h]j Yb

♣bghU``Uh]cbYb'i bX'X][]hU`Yb'HYW\bc`c[]Ybž'k]fX'XYf'6Ygi W\Yf
Y]b[Y`UXYbž'U_h]j 'Ua'; YgW\Y\Yb'hY]`ni\UVYb"'8]YgY': cfa UhY
ZÒfXYfb'b]W\h'bi f'XUg'9b[U[Ya Ybh'XYf'9]bk c\bYfž'gcbXYfb
ghÀf_Yb'Ui W\'XUg'JYfUbhk cfhi b[gVYk i gghgY]b'ZØf'X]Y'; YghU`hi b[
]\fYf'I a [YVi b["'<]YfXi fW\'YbhghY\h'b]W\h'bi f'Y]b'gW\ÒbYf
5bV`]W_ž'gcbXYfb'Ui W\'Y]b'`YVYbX][Yf'8]U`c['nk]gW\Yb'?i bghž
GhUXh'i bX'; YgY``gW\UZh"

A]h @[\hcifJ]g]cb k]fX:7\Yab]hnY]ba U`aY\finiY]bYa Cfhž UbXYa?i`hifibX; YaY]bgW\UZh<UbX]b'<UbX]b'<UbX[Y\Yb"8Ug : Ygh]j U`V]YhYhX]YY]ba U`][Y; Y`Y[Yb\Y]hž'b]W\h'bifX]Y'GhUXh bYi ni YbhXYW_Ybž'gcbXYfb'Ui W\U_h]j 'Ub']\fYf'_Øbgh`Yf]gW\Yb i bX'_i `hifY``Yb'9bhk]W_`i b['hY]`ni\UVYb"A UW\Yb'G]Y'g]W\VYfY]hž 7\Yab]hn']a '@]W\h'XYf'?i bgh'ni 'Yf`YVYb'

| 8 Y hU]`g | |
|-----------|---|
| Cfh | 7\Yab]hnž'8YihgWX`UbX |
| EiY``Yb | • k k k "V`]W <u>_</u> "XY |
| | k k k "U_gUW\ gYb"cf[|
| | X]Y!`YfbYbXY!ghUXh"XY |

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