

GUZUf]!5VYbhYi Yf]b XYf GYfYb[Yh]

9bhXYW_Yb'G]Y'i bj Yf[Ygg`]WXY'H]YfVYcVUWXhi b[Ybž'A UUgU]! ?i`]bUf]_'i bX' \Rightarrow g]XYf!H]ddg'ZØf' \Rightarrow fY'GUZUf]!5VYbhYi Yf']b'XYf GYfYb[Yh]"



GhY``X]f'j cfž'Xi 'ghY\gh'a]hhYb']b'XYf'i bVYfØ\fhYb'K]`Xb]g'XYf GYfYb[Yh]ž'i a [YVYb'j cb'XYa 'F Ui gWXYb'XYf'B Uhi f'i bX'XYa a U'YghÀh]gWXYb'5i ZY]bUbXYfhfYZZYb'j cb'H]Yfk Y`hYb'''<]Yfž'k c'X]Y;][UbhYb'XYf'GUj UbbY'i a \Yfn]Y\Ybž'k UfhYh'Y]b'i bj Yf[Ygg`]WXYg 5VYbhYi Yf'Ui Z'X]WX''5i Z'XYb'Gdi fYb'j cb'@Òk Ybž'9`YZUbhYb'i bX;]fUZZYb'k]fgh'Xi 'X]Y'ZUgn]b]YfYbXYb'; YgWX]WXhYb'X]YgYf'H]YfY\Ui hbU\'Yf`YVYb'i bX'XY]bYb'Di `g'gdØfYbž'k À\fYbX'XUg'<Yfn'XYf

8 c WX 'X Ug']gh'bc WX 'b]WX h'U``Yg''@Ugg'X]WX 'Ui WX '_i `]b Uf]gWX j YfZØ\fYb.'6Y]'Y]bYf'FY]gY'h]YZ']b'X]Y'A UUgU]!?i `hi f'Yfk UfhYb'X]WX hfUX]h]cbY``Y'; Yf]WX hY'i bX'YfZf]gWXYbXY'; YhfÀb_Yž'X]Y'b]WX h'bi f XYb'; Ui a Yb'_]hnY`bž'qcbXYfb'Ui WX'XY]bY'G]bbY'UbfY[Yb"'

K]f'[YVYb'X]f'k Yfhj c``Y'; Y\Y]a h]ddgž'XUa]h'Xi '[Ubn'gW\bY```ni a DfcZ]']a '8 gW\i b[Y``XYf'GYfYb[Yh]'k]fgh"'6YfY]hY'X]W\'j cfž'XY]bY BYi []Yf'ni 'gh]``Yb'i bX'X]YgYb'Y]bn][Ufh][Yb'C fh']b'U```gY]bYf DfUW\h'ni 'YbhXYW_Yb'

5i Z'XYb'Gdi fYb'XYf';][UbhYb. I bj Yf[Ygg`]WXY'H]YfVYcVUWXhi b[Yb']b'XYf GYfYb[Yh]

8]Y'GYfYb[Yh]žY]b'CfhžXYf'XUg'<Yfn'Y]bYg'YXYb'BUhi f`]YV\UVYfg\O\YfgW\`U[Yb'`Àggh''<]Yfž']b'X]YgYf'YbX`cgYb'K Y]hYž'gWXY]bh'X]Y\NY]h'gh]``ni ghY\Yb''8]Y'GUj UbbY'YfghfYW_h'g]W\'V]g'ni a '<cf]ncbhž\XifW\VfcW\Yb'j cb'_`Y]bYb'<Ø[Y`b'i bX'5_Un]YbV\Ai a Ybž'X]Y'k]Y\K\AW\hYf'XYf'K]`Xb]g'Ui ZfU[Yb'''6Y]'Y]bYf'GUZUf]']b'X]YgYa\ZUgn]b]YfYbXYb'^2 _cgmghYa '\Ugh'Xi 'X]Y'A\O[`]W_Y]hž'XYb\a UYgh\Ah]gW\Yb'H]YfYbž'X]Y'\]Yf'ni '<Ui gY'g]bXž'[Ubn'bU\'ni_ca a Yb'''9g']gh'Y]b'9f`YVb]gž'XUg'Xi 'b]Ya U`g'j Yf[YggYb'k]fgh°

GhY```X]f'j cfž'Xi 'ZÀ\fgh']b'Y]bYa 'cZZYbYb'; Y`ÀbXYk U[Yb'ØVYfghUi V][Y'D]ghYbž'k À\fYbX'X]Y'GcbbY'`Ub[gUa 'Ua '<cf]ncbh
Ui Z[Y\h"8]Y'YfghYb'GhfU\`Yb'hUi W\Yb'X]Y'@UbXgW\UZh']b'Y]b
[c`XYbYg'@]W\h'i bX'\YVYb'X]Y'G]`\ci YhhYb'XYf'H]YfY'\Yfj cf"
D`Òhn`]W\`\À`h'XYf'; i]XY'Ub"' GW\Ui h'XU'XfØVYb'' 'fi Zh'Yf
Ui Z[YfY[h'i bX'nY][h'Ui Z'Y]bY'; fi ddY'j cb'9`YZUbhYbž'X]Y
a U'YghÀh]gW\'Xi fW\'XUg'\c\Y'; fUg'n]Y\Yb"'8]Y'À`hYfYb'6ÒW_Yž'a]h
]\fYb'VYY]bXfi W_YbXYb'Ghc\"n\\bYbž'ZØ\fYb'X]Y'<YfXY'Ub"'9g']gh
XUg'YfghY'A U'ž'XUgg'Xi 'gc'bU\'VYnYi [Yb'XUfZghž'k]Y'X]YgY
;][UbhYb'XYg'8gW\i b[Y`g'a]hY]bUbXYf'_ca a i b]n]YfYb' 'Y]b
`Y]gYg'Hfca dYhYbž'[YZc`[h'j cb'gUbZhYb'6YfØ\fi b[Yb'XYf'FØggY`"

5 V Y f' b] W \ h' b i f' X] Y '9 \ Y Z U b h Y b 'k Y f X Y b 'X] W \ '] b '] \ f Y b '6 U b b 'n] Y \ Y b "
5 i W X X] Y '@ O k Y b z X] Y 'k U \ f Y b ' < Y f f g W Y f 'X] Y g Y f 'G U j U b b Y z 'g] b X 'b i f
Y] b Y b '_ i fn Y b ': i > a U f g W \ Y b h Z Y f b h " < U g h X i 'Y Y] b Y b '@ O k Y b f Ø X Y b
[Y g Y \ Y b z X Y f '] b 'X Y f '8 A a a Y f i b ['a U Y g h A h] g W \ '] a '; f U g '\] Y [h 3
G Y] b 'a U f _U b h Y g '6 f Ø \ Y b 'Y f h O b h '] b 'X Y f ': Y f b Y i b X 'j Y f _Ø b X Y h 'g Y] b Y
D f A g Y b n " C Z h _U b b g h X i 'X] Y '@ O k Y b f i X Y \ 'V Y c V U W h Y b z 'k A \ f Y b X 'g] Y
g] W \ '] b 'X Y f 'B U W a] h h U [g \] h n Y 'U i g f i \ Y b z '] \ f Y '_ \ Y] b Y b

@Ok Ybk Y`dYb`gd]Y`Yb`i bX`hcVYbži b[YghOfhij cb`XYf`K Y`hi a `g]Y \Yfi a "'8Ug`k]`XY`@YVYb`]b`XYf`GYfYb[Yh]`]gh'Y]b`GW\Ui gd]Y`ž'XUg Xi `Ui Z'_Y]bYb`: U```j YfdUqqYb`qc``hYqh"

8]Y 'ZUgn]b]YfYbXY 'H]Yfk Y`h'VYgWkfÀb_h'g]Wk 'YXcWk'b]Wkh'bi f'Ui Z X]Y '6][':]j Y "'5i Wk'X]Y 'nU\`fY]WkYb'5bh]`cdYbUfhYbž'j cb'XYb [fUn]`Yb'H\ca gcb!'i bX'; fUbh!; UnY``Yb'V]g'\]b'ni 'XYb]a dcgUbhYb'; bi gž'V]`XYb'Y]b'\Ufa cb]gWkYg'6]`X'i bX'nY][Yb'XUg; `Y]Wk[Yk]Wkh'XYf'BUhi f"'K Ybb'Xi 'ni f'NY]h'XYf'[fc>Yb'A][fUh]cb fY]ghž'_Ubbgh'Xi 'NYi [Y'Y]bYg'XYf'VYY]bXfi W_YbXghYb BUhi fgWkUi gd]Y`Y'XYf'K Y`h'k YfXYb.'A]``]cbYb'j cb'; bi g'i bX NYVfUg'Xi fWkei YfYb'X]Y'@UbXgWkUZh'Ui Z'XYf'Gi WkY'bUWk Zfi WkhVUfYb'K Y]XYb"'8]Y'5VYbXXÀa a Yfi b['Vf]b[h'ni XYa nU\`fY]WkY'FUi Vh]YfY'Ub'X]Y'K UggYfghY``Ybž'i bX'X]Y'5i ZfY[i b[ž X]Y'GdUbbi b['i bX'XUg'GhUi bYb'ghY\Yb']b'XYf'@ Zh"

I a 'X]Y'9f`YVb]ggY'ni 'j YfZYgh][Ybž']gh'Yg'fUhgUa ž'Y]b'[i hYg
: Yfb[`Ug'i bX'Y]bY'? Ua YfU'a]hni bY\a Yb"'8Yf'GW\`ØggY`ni f
dYfZY_hYb'H]YfVYcVUW\hi b['`]Y[h'XUVY]'cZh']a '; YXi `X"'GYhnY'X]W\
gUbZh']b'X]Y'I a [YVi b['i bX'V`Y]VY'fi\]['`'X]Y'H]YfY'g]bX'gW\Yi ž
UVYf'bYi []Yf]["'I bX'a]h'Yhk Ug'; `ØW_'k]fX'Y]b'; YdUfXž'XYf'ZØf
gY]bY'GW\bY``][_Y]h'VY_Ubbh']ghž'Y]bYb'Gdfi b['j cb'gY]bYa
JYfghYW_'k U[Ybž'k À\fYbX'Xi 'a]h'di `g]YfYbXYa '<YfnYb'ni g]Y\gh"
XYg'A U`ž'k Ybb'Xi 'X]Y'5i [Yb'gW\`]Y hž'k]fX'X]Y'GYfYb[Yh]'Y]bYb
VYgcbXYfYb'D`Uhn']b'XY]bYa '; YXÀW\hb]g'Y]bbY\a Yb'i bX'U``Y
G]bbY'UbgdfYW\Yb"

?i`]bUf]gWXY'9bhXYW_i b[gfY]gY. HfUX]h]cbY``Y'A UUgU]!; Yf]WXhY'i bX'; YhfÀb_Y ZØf'UVYbhYi Yf`i gh][Y'; Ui a Yb

 $8]Y `GYfYb[Yh] `]gh'b] WA h'bi f'Y]b `DUfUX]Yg `ZØf'H]Yf`]YV \setminus UVYfž gcbXYfb `Ui WA `Y]b 'j YfVcf[YbYf'GWA Uhn `ZØf': Y]bgWA a YW_Yf'' K À\fYbX'XY]bYf'GUZUf] `\ Ugh'Xi 'X]Y `Y]ba U`][Y'; Y`Y[Yb\Y]hž']b `X]Y Ui h\Ybh]gWA Y'? ØWA Y'XYf'A UUgU] `Y]bni hUi WA Yb''' 8]Y `HfUX]h]cbYb X]YgYf'bca UX]gWA Yb''J c`_g[fi ddY'g]bX'h]YZ']b']\fYb''_i `]bUf]gWA Yb'? fYUh]cbYb'j Yfk i fnY`hž'X]Y'Y]bY'; YgWA]WA hY'YfnÀ\`Ybž'X]Y'gc'U`h$

9]b 'hmd]gWX Yg 'A UUgU]!; Yf]WX hž XUg 'Xi 'i bVYX]b[h'dfcV]YfYb gc ``hYghž']gh XUg 'i [U`]" 8]YgYg 'Y]b ZUWX Yž UVYf'_Ògh`]WX Y'; Yf]WX h Ui g 'A U]ga Y\`ž XUg 'ni 'Y]bYf 'ZYghYbž _bYhVUfYb '? cbg]ghYbn [Y_cWX h'k]fXž'k]fX 'c Zh 'U`g '6Y]`U[Y 'ni 'j YfgWX]YXYbYb '9]bhÒd ZYb gYfj]Yfh" 8]Y '9]b\Y]a]gWX Yb '[Yb]Y » Yb 'Yg 'a]h'Y]bYa 'k Øfn][Yb'_i _i ž'Y]bYa 'nUfhYb' < Ø\bWX Ybž XUg ']b 'Y]bYf \Yfn\UZhYb Hca UhYbgUi WY 'ni VYfY]hYh'k]fX" '8]YgYg'; Yf]WX h'gd]Y[Y 'h'b]WX h'bi f X]Y '9]bZUWX\Y]h'XYf 'A UUgU]!? ØWX Y 'k]XYfž 'gcbXYfb 'Ui WX ']\fYb FYgdY_h'j cf'XYb 'bUhØf`]WX Yb 'Ni hUhYbž X]Y']\fY'I a [YVi b['V]YhYh'

9]b'k Y]hYfYf'< Ò\Ydi b_h'g]bX'X]Y'hfUX]h]cbY``Yb'A UUgU]!
F]bXYf[Yf]WX hY"'8]Y'F]bXYf'g]bX'ZØf'X]Y'A UUgU]'j cb'nYbhfU`Yf
6YXYi hi b['b]WXh'bi f'U`g'BU\fi b[gei Y``YžgcbXYfb'Ui WX'U`g
Gma Vc``ZØf'K c\`ghUbX'i bX'Ghc`n"'DfcV]Yf'i bVYX]b[h'bmUa U
WX ca Už'[Y[f]``hYg'F]bXZY]gWXž'XUg'ØVYf'cZZYbYa ': Yi Yf
ni VYfY]hYh'k]fXži bX'gYfj]YfY'Yg'a]h'Y]bYa 'Zf]gWXYb'gi_i a U
k]_]'fl fØb_c\`Łž'XYf']b'Y]bYa '<Ui WX'j cb'Nk]YVY`b'i bX'Hca UhYb
[YVfUhYb'k]fX"'8]Y'5fca Ybž'X]Y']bg'@U[YfZYi Yf'g]bX'Y]b[YVYhhYhž
YfnYi [Yb'Y]b'; YgWXa UW_gYf`YVb]gž'XUg'Xi 'gc'gWXbY```b]WXh
j Yf[YggYb'k]fgh"

I a 'XY]bY'_i `]bUf]gWXY'9bhXYW_i b[gfY]gY'UVni fi bXYbž'gc``hYgh'Xi Ui WX'X]Y'hfUX]h]cbY``Yb'A UUgU]!; YhfÀb_Y'dfcV]YfYb"'9]b
VYgcbXYfYf'; Ybi gg']gh'XUg'a i fg]_ž'Y]b'ZYfa Ybh]YfhYf'A]`WXXf]b_ž
XYf'a]h'?fÀi hYfb'i bX'; Yk ØfnYb'j YfZY]bYfh'k]fX"'8]YgYg'; YhfÀb_ghÀf_h'b]WXh'bi f'X]Y'; Ya Y]bgWXUZh'VY]'ZYgh`]WXYb'5b`ÀggYbž
gcbXYfb'Ui WX'XY]bY'; YgWXa UW_g_bcgdYb"'5`hYfbUh]j'_Ubbgh'Xi
Ui WX'WXU]ž'Y]bYb'Ufca Uh]gWXYb'gWXk Ufn!hYY'a]h'; Yk ØfnYbž
[Yb]Y»Ybž'XYf'X]f'XYb'i `h]a Uh]j Yb'9bYf[]Y_]W_'ZØf'XY]bY'bÀWXghYb

: Øf`Y]b`Ui h\Ybh]gW\Yg`9f`YVb]g`Ya dZY\`Y`]W\ž`]b`Y]bYa `XYf hfUX]h]cbY``Yb`A UUgU]!8 OfZYf`ni `j Yfk Y]`Yb"`8 cfh`_Ubbgh`Xi `b]W\h bi f`X]Y`_i `]bUf]gW\Yb'? Ogh`]W_Y]hYb`[Yb]Y» Ybž`gcbXYfb`Ui W\ a Y\f`ØVYf`X]Y`Ni VYfY]hi b[`XYf`; Yf]W\hY`YfZU\fYb`i bX`gc[Uf`Ub Y]bYa `?cW_i fg`hY]`bY\a Yb"`8]Y`A UUgU]`ZfYi Yb`g]W\ž`]\f`K]ggYb \emptyset VYf']\fY'?i `hi f'i bX'? \emptyset W\Y'ni 'hY]`Yb'i bX'X]W\']b'X]Y'; Y\Y]a b]ggY]\fYf'FYnYdhi fYb'Y]bni k Y]\Yb"'

K Ybb Xi 'U`gc 'Ui Z'XYf'Gi WXY'bUWX 'Y]bYa 'j c``YbXYhYb 'GUZUf]!

9f`YVb]g'V]ghž'j Yf[]gg'b]WX hž'XY]bY'; YgWXa UW_gbYfj Yb 'Ui Z'Y]bY

9bhXYW_i b[gfY]gY 'Xi fWX 'X]Y 'ZUfVYbZfc\Y'i bX'fY]WX\U`h][Y'? ØWXY

XYf'GYfYb[Yh]'a]hni bY\a Yb"'9g'g]bX'b]WXh'bi f'i bj Yf[Ygg`]WXY

H]YfVYcVUWXhi b[Ybž'X]Y 'Xi 'a]h'bUWX '< Ui gY'bY\a Yb'k]fghž

gcbXYfb'Ui WX'X]Y'; YgWX]WXhYb'i bX'; YgWXa ÀW_Yfž'X]Y'X]f']b

9f]bbYfi b['V`Y]VYb"

; Y\Y]a h]ddg'ZØf'GUZUf]!BYi`]b[Y.'Gc'k]fgh Xi'nia 'DfcZ]']a '8gWXib[Y`'XYf'GYfYb[Yh]°

8]Y'GYfYb[Yh]']gh'Y]b'Cfh'j c``Yf'K i bXYfž'i bX'k À\fYbX'Xi 'Xi fWX X]Y'YbX`cgYb'K Y]hYb'ZÀ\fghž'k]fX'X]f'gWXbY``'_`Uf. '9]bY'GUZUf]']gh a Y\f'U`g'bi f'H]YfVYcVUWXhi b["'I a 'XUg'j c``Y'5VYbhYi Yf'ni Yf`YVYb'i bX'X]Y'k U\fY'9ggYbn'X]YgYf'VYY]bXfi W_YbXYb @UbXgWXUZh'ni 'VY[fY]ZYbž'g]bX'\]Yf'Y]b][Y'; Y\Y]a h]ddgž'X]Y'X]f \Y`ZYbž'XY]b'9f`YVb]g'Ui Z'XUg'bÀWXghY'@Yj Y``ni '\YVYb"

- 8]Y [c`XYbY Ghi bXY bi hnYb. 8]Y VYghYb H]YfVYcVUW hi b[Yb [YgWXY\Yb]b XYf ZfØ\Yb A cf[Yb! i bX gd AhYb 5VYbXXAa a Yfi b["'H]YfY g]bX XUbb Ua U_h]j ghYb "'D`UbY XY]bY D]fgWX ZU\fhYb YbhgdfYWX YbX i bX [Yb]Y» Y XYb nUi VYf\UZhYb GcbbYbUi Z[Ub[žXYf X]Y GUj UbbY]b Y]b [c`XYbYg @]WX h'hUi WX h" 9g]gh Y]b gdY_hU_i `AfYg GWX Ui gd]Y `ž XUg X]Y 'H]YfY]b 'Zf]gWX Ya '@]WX h nY][h"
- 8]Y'C\fYb'ÒZZbYb.'<U'hY'b]W\h'bi f'X]Y'5i [Yb'cZZYbž gcbXYfb'Ui W\'X]Y'C\fYb"'J]Y'Y'H]YfY'j YffUhYb'g]W\'Xi fW\
]\fY'; YfÀi gW\Y"'8 Ug'6fØ``Yb'Y]bYg'@Òk Ybž'XUg'Fi ZYb
 Y]bYg'; Y]Yfg'cXYf'XUg'F UgW\Y`b']a '; YVØgW\'_ÒbbYb
 YbhgW\Y]XYbXY'<]bk Y]gY'Ui Z'X]Y'H]Yfk Y`h'fi bX'i a 'X]W\
 \Yfi a '[YVYb"'@Ugg'X]W\'j cb'Y]bYa 'YfZU\fYbYb'; i]XY
 ZØ\fYbž'XYf'X]f'nY][Yb'_Ubbž'k]Y'Xi 'X]Y'Gdi fYb'XYf'H]YfY
 `YqYb'_Ubbqh"
- $\bullet \hspace{0.1cm} 8\hspace{0.1cm}]Y\hspace{0.1cm}\^f\hspace{0.1cm}]W\hspace{-0.1cm}\&\hspace{0.1cm} h\hspace{-0.1cm}][\hspace{0.1cm}Y\hspace{0.1cm}\char{0.1cm}5\hspace{0.1cm}\o\hspace{0.1cm}\o\hspace{0.1cm}\char{0.1cm}9\hspace{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\o\hspace{0.1cm}\o\hspace{0.1cm}\char{0.1cm}\o\hspace{0.1cm}\o$

: Yfb[`Ug'i bX'Y]bY'? Ua YfU'a]h'HY`YcVY_h]j "'8i 'a ÒWkhYgh gWk`]Y»`]Wk 'X]Y 'ZUgn]b]YfYbXYb'8YhU]`g'XYf'a UYghÀh]gWkYb H]YfY'ZYgh\U`hYb"'DUW_Y'Ui Wk 'VYei Ya Yž'Uha i b[gU_h]j Y?`Y]Xi b['Y]bž'X]Y'ZØf'k YWkgY`\UZhYg'K YhhYf'[YY][bYh']gh" 8]Y'GYfYb[Yh]'V]YhYh'gck c\``\Y]»Y'HU[Y'U`g'Ui Wk'_U`hY BÀWkhY"

- FYgdY_h]YfY'X]Y'B Uhi f. '< U`hY'5VghUbX'ni 'XYb'H]YfYb i bX'j Yfa Y]XY'Ygž'g]Y'a]h'; YfÀi gWXYb'cXYf'6Yk Y[i b[Yb ni 'ghÒfYb"'8Yb_Y'XUfUbž'XUgg'Xi 'Y]b'; Ugh']b']\fYa Ni \Ui gY'V]gh"'8]Y'GYfYb[Yh]']gh'b]WXh'bi f']\fY'<Y]a Uhž gcbXYfb'Ui WX'Y]b'Ya dZ]bX`]WXYg'²_cgmghYa ž'XUg'Yg'ni gWXØhnYb'[]`h"
- ?i`hi fY``Y'9]bV`]W_Y'[Yk]bbYb. D`UbY'Ui WX'6Ygi WXY']b
 A UUgU]!8 OfZYfbži a 'X]Y'_i `hi f\]ghcf]gWXYb'K i fnY`b'XYf
 A YbgWXYb']b'X]YgYf'FY[]cb'ni 'j YfghY\Yb"'8]Y'A UUgU]
 `YVYb']b'<Ufa cb]Y'a]h'XYf'BUhi f'i bX']\f'K]ggYb'ØVYf
 : `cfU'i bX': Ui bU'k]fX'X]f'\Y`ZYbžY]b'VYggYfYg'J YfghÀbXb]g
 ZØf'X]Y'GYfYb[Yh]'ni 'Ybhk]W_Y`b"

9]b k Y]hYfYf k Yfhj c``Yf H]dd]gh Ygž b]Wk h j Yf[Ygg`]Wk ini gY]b a UWk Y B c h]nYb \emptyset VYf X]Y H]YfYž X]Y Xi g]Y \ghž i b X X]Y 9f YVb]ggYž X]Y Xi \UhhYgh 5i Wk k Ybb Xi XYb_ghž Xi k]fgh X]Wk]a a Yf XUfUb Yf]bbYfbž _Ubb X]Y : `i h Ub 9]bXf \emptyset W_Yb gWk bY`` XUni $\mathbb{Z}\emptyset$ \fYbž XUgg k]Wk h][Y 8 YhU]`g j YfV`UggYb" < U`hY 9f]bbYfi b[Yb \mathbb{Z} Ygh i b X [YhY]`Y g]Y gd ÀhYf a]h Ub XYfYb \mathbb{Z} Ygh i gh][Yb "

8]Y'GUZUf]']b'XYf'GYfYb[Yh]']gh'Y]b'5VYbhYi Yfž'XUg'YXYf'Y]ba U`']bgY]bYa'@YVYb'Yf`YVYb'gc``hY'''A]h'X]YgYb'H]ddg'V]gh'Xi 'VYghYbg[YfØghYhž'i a'b]W\h'bi f'X]Y' 6][':]j Y 'ni 'gY\Ybž'gcbXYfb'Ui W\'X]Y_`Y]bYb'K i bXYfž'X]Y'X]YgY'FY[]cb'ni 'V]YhYb'\Uh''

GhY``X]f'j cfž'Xi 'ghY\gh']a '<YfnYb'XYf'GYfYb[Yh]ž'i a [YVYb'j cb XYf'UhYa VYfUi VYbXYb'GW\Òb\Y]h'XYf'UZf]_Ub]gW\Yb'K]`Xb]g"'8Yf ?`Ub['XYf'BUhi f'i a \Ø``h'X]W\ž'k À\fYbX'Xi 'X]Y 'a UYghÀh]gW\Yb 9`YZUbhYb\YfXYb'VYcVUW\hYghž'X]Y'[Ya ÀW\`]W\'ØVYf'X]Y'GUj UbbY n]Y\Yb"'9g'g]bX'A ca YbhY'k]Y'X]YgYž'X]Y'XY]bY'GYY`Y'VYfØ\fYb i bX'i bj Yf[Ygg`]W\Y'9f]bbYfi b[Yb'gW\UZZYb"'@Ugg'X]W\'j cb'XYb ZYi f][Yb'5fca Yb'XYf'hfUX]h]cbY``Yb'A UUqU]!?ØW\Y'j YfZØ\fYbž

k À\fYbX`Xi `Y]bY`_i `]bUf]gW\Y`FY]gY`i bhYfb]a a ghž`X]Y`XY]bY
; YgW\a UW_gbYfj Yb`ni a `HUbnYb`Vf]b[h"`C V`Xi `bi b`U`g`GUZUf]!
BYi `]b[`cXYf`YfZU\fYbYf`5VYbhYi fYf`Ui Z`9bhXYW_i b[ghci f`[Y\ghž
X]Y`GYfYb[Yh]`]ghY]b`Cfhž`XYf`]a a Yf`k]YXYf`bYi Y`K i bXYf`VYfY]h
\À`h"`DUW_`XY]bY`? cZZYfž`gW\bUdd`X]f`XY]bY`? Ua YfU`i bX`a UW\
X]W\`VYfY]hž`XUg`I bVY_UbbhY`ni `Yf_i bXYb` `XUg`5VYbhYi Yf
XY]bYg`@YVYbg`k UfhYh`gW\cb`Ui Z`X]W\`

8 Y hU]`c

6Ygi WXYb G]Y i bg Ui Z Y]bY!fY]gY "XY