

6Ui a ghfY]h]b ? UggY`. B UW V Uf _ Àa d Zh [Y [Y b 9 V Y f Y g W Y b i b X ; Y g Y hn

9]b'?UggY`Yf`AUbb'_ÀadZh'gY]h'\J\fYb'[Y[Yb'Y]bYbfØVYfkUW\gYbXYb'6Uia'gY]bYf`BUW\VUfbž'XcW\'\f]gh]gW\YibX'VUifYW\h']W\Y'<ØfXYb'ghY\Yb']\a']a'KY["

#D? UggY`žY]b`, '!'À\f][Yf'A Ubb`k]fX`gY]h'*J\fYb'j cb`XYb

ØVYf\Àb[YbXYb'ŸghYb`nk Y]Yf'9VYfYgWXYb'Ui g'XYa

BUWXVUf[UfhYb']b'K Y\`\Y]XYb'[Yd`U[h"'8Yf'FYbhbYf'FU]bYf

<Ua YbghÀXh'\Uh'g]WX'YbhgWXY]XYbX`XUZØf'Y]b[YgYhnhž'X]YgY

6Ài a Y`ni 'ghi hnYbž'XU'g]Y'b]WXh'bi f'gY]b'; UfU[YbXUWX'VY`UghYbž
gcbXYfb'Ui WX'GWXÀXYb'j Yfi fgUWXYb"'8]Y'a cV]`Y'9fbhY'XYf

9VYfYgWXY']gh'b]WXh'bi f'Y]bY': fU[Y'XYf'GUi VYf_Y]hž'gcbXYfb'\Uh
Ui WX'Yfbgh\UZhY'VUi `]WXY'?cbgYei YbnYb'ZØf'gY]bY'; UfU[Y"'=a
Gca a Yf'&\$&' `[UV'Yg'VY]a 'I bk YhhYf'gc[Uf'GWXÀXYb'Xi fWX\YfUVZU``YbXY'ŸghY"'8cWX'X]Y'@Ògi b['gY]bYg'DfcV'Ya g'gWXY]bh
k Y]h'YbhZYfbh"

FU]bYf'<Ua YbghÀXh'\Uh']b'XYf'JYf[Ub[Yb\Y]h'a Y\fa U`g
j Yfgi W\hžY]bY'9]b][i b['a]h'XYb'9][YbhØa Yfb'XYf'6Ài a YžXYb
JYfY]b][hYb'K c\bghÀhhYbž'ni Yfn]Y`Yb'''GY]bY'6Ya Ø\i b[Yb
V`]YVYb'YXcW\'[fÒ»hYbhY]`g'c\bY'9fZc`[''' 6]g\Yf'\UVYb'g]Y
\ÒW\ghYbg'_`Y]bYfY'ŸghY'k Y[[Ya UW\h ž'gU[h'Yf'fYg][b]Yfh''8Yf
JYfgi W\ž'Ui Z'XYb'FYW\hgk Y['ni fØW_ni [fY]ZYbž'k i fXY']\a'j cb
Y]bYa'; Yf]W\h'UV[YfUhYb'''8]Yg'[YgW\U\'b]W\h'c\bY'?cghYb/
9I dYfhYbfY]gYb']b'XYb'\c\Yb'ZØbZghY``][Yb'6YfY]W\ž'gc``hY'Yf'XYb
fYW\h`]W\Yb'GhfY]h'ZcfhgYhnYb'''8Yf'j Yfnk Y]ZY`hY'FYbhbYf'ZØ\`h'g]W\
]b'gY]bYf'K c\bi b['fY[Y`fYW\h'YbhY][bYhž'`Àggh'UVYf'XYb'?Ua dZ
i a 'gY]b'FYW\h'b]W\h'Ui Z[YVYb''

FYWN hgghfY]hii a 6Ui a gWN i hngUhni b[

8 Ugʻ? Yfbdfc VʻYa žʻX Ugʻ< Ua YbghÀXhʻi bXʻX]YʻJ YfY]b][hYb K c\bghÀhhYbʻhfYbbhžg]bXʻX]Yʻi bhYfgWX]YX`]WX Ybʻ5i ZZUggi b[Yb ØVYfʻX Ugʻ[YʻhYbXYʻFYWXhʻiʻ@Ui hʻ< Ua YbghÀXhʻk]fXʻX Ug GYʻVgh\]ʻZYfYWXhʻUi gʻXYa ʻ6Øf[Yf`]WXYbʻ; YgYhnVi WXʻZʻDUfU[fUd\-\%\$ʻz']\a'X UgʻFYWXhʻY]bfÀi a YbʻzʻØVYffU[YbXYʻYghYʻc\bY; YbY\a][i b['ni 'YbhZYfbYbʻzʻgc ZYfbʻX]Yʻ6Ài a YʻXUVY]ʻb]WXh UVghYfVYbʻi'8]YʻK c\bghÀhhYbʻ\]b[Y[YbʻVYfi ZYbʻg]WX'Ui ZʻX]Y ?UggYʻYfʻ6Ui a gWXi hngUhni b[ʻzʻX]YʻgcʻWXYʻY][Yba ÀWXh][Yb A U» bU\a Ybʻi bhYfgU[hiʻ@Ui hʻX]YgYfʻGUhni b[ʻg]bXʻ6Ui a ZÀʻi b[Yb i bXʻGWXb]hha U» bU\a YbʻZØfʻVYgh]a a hYʻ6Ui a UfhYbʻj cfUVʻVY]ʻXYf GhUXhʻ? UggYʻni ʻVYUbhfU[YbʻʻGdÀhYghYbgʻ\]Yfʻ]ghʻXYfʻ?cbZ]_h c ZZYbq]WXh`]WXʻ'

8]Y '6Ui a gWki hngUhni b['g]Y\h'Y][Ybg 'ZØf'@Ui VVÀi a Y'k]Y'X]Y
9VYfYgWkY'j cfž'XUgg'g]Y'bi f'i bhYf'VYgh]a a hYb'A U» [UVYb
VYgWkb]hhYb'k YfXYb'XØfZYb'''Gc']gh'ni a '6Y]gd]Y`'Y]b'a UI]a U`Yf
GWkb]hh'j cb'bi f'nY\b'DfcnYbh'XYg'?fcbYbj c`i a Ybg'Yf`Ui Vhž'k Ug
< Ua YbghÀXh'a Ò[`]WkYfk Y]gY']b'gY]bYf'< UbX`i b[gZfY]\Y]h'ghUf_
Y]bgWkfÀb_h'''9]b'J Yfghc» '\]Yf[Y[Yb'_Ubb'gWkk Yfk]Y[YbXY
Z]bUbn]Y``Y': c`[Yb'bUWk'g]Wk'n]Y\Ybž'a]h'; Y`XghfUZYb'j cb'V]g'ni
%\$\$"\$\$\$'9i fc''' GhÀXh]gWkY'6Ui a gWki hngUhni b[Yb'ghY\Yb
[fi bXgÀhn`]Wk'ØVYf'bUWk VUffYWkh`]WkYb'5bgdfØWkYb ž'Yf_`Àfh'XYf
? UggY`Yf'FYWkhgUbk U`h'\$Øf[Yb'9]WkY`"

FYWXh`]WXY'<YfUi gZcfXYfi b[Yb'i bX a Ò[`]WXY'5`hYfbUh]j Yb 9]b k Y]hYfYf VYXYi hYbXYf Di b_h]b X]YgYf 5i gY]bUbXYfgYhni b[']gh X]Y : fU[Yž c V X Ug '6i b X Yj Yf Z Uggi b [g[Yf] W h ']b 'X]YgYf 5b [Y `Y [Yb \ Y]h Y]b Y Yb hg W Y]XYb XY F c ``Y 'gd]Y `Yb 'k]f X " 'Gc ``hY < Ua YbghÀXh 'b U W k Y]gYb '_ObbYb ž X Ugg 'X]Y '6 Ài a Y 'Ui Z j Yf V]b X `] W Y 'K Y]gY 'gY]b Y 'Ghfi _hi f '[YZÀ\f XYb ž _ObbhY 'Yg 'ni Y]b Ya 'DfÀnYXYbnZU``'_ca a Yb ž XYf 'k Y]hf Y] W Yb XY '5i gk]f_i b [Yb Ui Z'À\b`] W Y 'Ghf Y]hg 'a]h 'B U W V U fb 'i b X 'X Yf Yb '6 Ài a Y '\ U V Y b _Obbh Y "

DUI gW.U`_Ubb'YXYa '[YfUhYb'k YfXYbž'?cbZ]_hY'ØVYf'6Ài a Y cXYf'<YW_Yb'ni bÀW.gh'gUW.`]W. i bX'VYgcbbYb'Ubni [Y\Yb"8Yf; Ub['ni 'Y]bYa 'GW.]YXgUa h'_Ubb'Y]b'[i hYf'YfghYf'GW.f]hh'gY]bž VYj cf'Yg'ni 'Y]bYa '`Ub[k]Yf][Yb'FYW.hgghfY]h'_ca a h''BUW.VUfb gc``hYb': fYi bXgW.UZhYb'VYk U\fYb'i bX'bUW.'@Ògi b[Yb'gi W.Yb'XYbb'cZh'g]bX'Yg'X]Y'_`Y]bYb'DfcV`Ya Yž'X]Y'`Ub[Zf]gh]['ni '[fc»Yb?cbZ]_hYb'ZØ\fYb'_ObbYb"

FYWN hg`U[Y']b'< YggYb'i bX'X]Y 6Ui a gWN i hngUhni b[

8]Y'6Ui a gWki hngUhni b[']b'?UggY``]gh'Y]b'HY]``XYg'i a ZUggYbXYfYb I a k Y`hl'i bX'BUhi fgWki hnfYWkhgž'XUg']b'< YggYb'i bX XYi hgWk`UbXk Y]h'fY[i`]Yfh'k]fX"'8]Y'GUhni b['n]Y`h'XUfUi Z'UVž'XYb 9f\U`h'j cb'6Ài a Yb'ni 'ZÒfXYfb'i bX'X]Y'6]cX]j Yfg]hÀh']b ghÀXh]gWkYb'; YV]YhYb'ni 'k U\fYb"'Gc`WkY'FY[Y`i b[Yb'_ÒbbYb'j cb GhUXh'ni 'GhUXh'j Uf]]YfYbž'k cVY]'X]Y'GWkk Yfdi b_hY'cZh'Ui Z'XYa GWki hn'j cb'U`hYb'i bX'[YgWkØhnhYb'6Ài a Yb'`]Y[Yb"

± < YggYb]gh'Y]b'6Ui a 'UV'Y]bYa 'GhUa a i a ZUb['j cb', \$'Wa ']b'% A YhYf' < Ò\Y'gW\ØhnYbgk Yfh"'8]YgY'FY[Y`i b['YbhghUbX'Ui g'XYf 9f_Ybbhb]gž'XUgg'U`hY'6Ài a Y'b]W\h'bi f'@YVYbgfUi a 'ZØf'j]Y`Y H]YfUfhYb'XUfghY``Ybž'gcbXYfb'Ui W\'Y]bY'k]W\h][Y'Fc``Y']a GhUXh_`]a U'gd]Y`Yb"'8U\Yf'k]fX'XYf'5VVUi 'j cb'; fØbZÀW\Yb'i bX XUg': À``Yb'j cb'6Ài a Yb'fY[i`]Yfhži a 'X]Y'ghÀXh]gW\Y'I a k Y`hi bX XUg'² _cgmghYa 'ni 'gW\ØhnYb"'8]Y' < Ygg]gW\Y 6Ui a gW\i hnj YfcfXbi b[ž'X]Y'; fi bX`U[Y'ZØf'gc`W\Y'GUhni b[Yb V]`XYhž']gh'Y]b'k]W\h][Yg' ⇒ghfi a Ybh'ni a 'GW\i hn'XYf'BUhi f"

? Øb Zh][Y Ÿ b X Y fi b [Y b]b X Y f 6Ui a gW i hn[YgYhn[Y Vi b[

8]Y'fYWkh`]WkYb'FU\a YbVYX]b[i b[Yb']b'6Yni ['Ui Z'6Ui a gWki hn _ObbhYb']b'Ni _i bZh'ŸbXYfi b[Yb'YfZU\fYb"'5_hi Y``'g]bX'j]Y`Y?ca a i bYb'VYghfYVhž'Y]bY'6U`UbWY'nk]gWkYb']bX]j]Xi Y``Ya9][Ybhi a 'i bX'O_c`c[]gWkYb'5bZcfXYfi b[Yb'ni 'Z]bXYb"'8UgH\Ya U'k]fX'Ui Wk'Ui Z'dc`]h]gWkYf'9VYbY'gck]Y']bI a k Y`hj YfVÀbXYb']bhYbg]j 'X]g_i h]Yfh"

9]b 5gdY_hžXYfini bY\a YbXi]b XYb: c_i g'fØW_hži]ghiX]Y
B c hk YbX][_Y]h XYf 5bd Uggi b['ghÀXh]gWXYf 6Y[fØbi b[gghf UhY[]Yb Ub XYb ??`]a Uk Ub XY`" 8Yf 9f\U`hii bX X]Y 'DZY[Y'j c b 6Ài a Yb gY\Yb 'g]WX 'ni bY\a YbX' < YfUi gZcfXYfi b[Yb Xi fWX '<]hnYž ?fUb_\Y]hYb ii bX 'GWXÀX`]b[Y'[Y[YbØVYf" 8 U\Yf _O`bbhY 'Y]bY 5bd Uggi b['XYf 6Ui a gWX i hngUhni b[Yb bchk YbX]['gY]bži a gck c\``XYb ']bX]j]Xi Y``Yb 6YXØfZb]ggYb 'XYf ; fi bXghØW_gY][YbhØa Yf 'U`g'Ui WX 'XYb '_`]a Uh]gWXYb 9fZcfXYfb]ggYb '[YfYWXh ni 'k YfXYb"

BUW VUfgW UZhgfYW h`]W Y'?cbZ`]_hY'i bX XYfYb'@Ògi b[gUbgÀhnY

?cbZ]_hY`]a `BUW\VUfgW\UZhgfYW\h`g]bX`]b`8Yi hgW\`UbX`b]W\h
i b[Yk Ò\b`]W\`i bX`_ObbYb`Ui Z`Y]bY`J]Y`nU\``j cb`; fØbXYb
ni fØW_[YZØ\fh`k YfXYbž`k]Y`n"6"; fi bXghØW_g[fYbnYbž
6Ui a \O\Yb`i bX`@Afa Ybhk]W_`i b["'\dots'j]Y`Yb`: A``Yb`k]fX
Ya dZc\`Ybž`XYb`8]U`c[`a]h`XYb`BUW\VUfb`ni `gi W\Yb`cXYf`Ub
JYfa]hh`i b[gghY``Yb`k]Y`GW\]YXgUa hYb`I bhYfghØhni b[`ni
Yf\U`hYbž`VYj cf`XYf`FYW\hgk Y[`VYgW\f]hhYb`k]fX"`Gc`_ObbYb
cZha U`g``Ub[k]Yf][Y`i bX`_cghgd]Y`][Y; Yf]W\hgj YfZU\fYb
j Yfa]YXYb`k YfXYb"

6Ya Yf_Ybgk Yfh']ghž'XUgg']b'j]Y`Yb': À``Yb'GWX]YXgghY``Yb'Y]bY A YX]Uh]cbgfc``Y'Y]bbY\a Yb'i bX'\Y`ZYbž'Y]bY'@Ògi b['ni 'Z]bXYbž X]Y'ZØf'VY]XY'DUfhY]Yb'U_nYdhUVY`']gh"' \$\delta \cdot \ BUWXVUfbž'k Ugʻ]bgVYgcbXYfYʻVY]ʻY]bYf'k UWXgYbXYb I fVUb]g]Yfi b[ˈi bXˈY]bYf'ni bY\a YbXYb'JYfX]WXhi b[ˈXYf K c\bj Yf\À`hb]ggY'j cb'6YXYi hi b[ˈ]gh"

8 Y hU] `c

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