

>i [YbXnYbhfi a 'GhYd. FYbcj]Yfi b['ZØf Y]bY'a cXYfbY'Ni _i bZh']b'; `UXVUW\

8 Ugʻ≯ [YbXnYbhfi a 'GhYd'Ua 'GcbbYb\Ui gd`Uhn'k]fX'gUb]Yfhž i a 'VUff]YfYZfY]Y'FÀi a Y'ZØf'a cXYfbY'≯ [YbXdfcY_hY'ni gWXUZZYb"

8 Ugʻi [YbXnYbhfi a ˈGhYdʻUa ˈGcbbYb\Ui gd`UhnžY]bʻØVYfʻ(\$ ˈ\J\fY U`hYgʻ; YVÀi XYžghY\h'j cfʻY]bYfʻi a ZUggYbXYbʻHfUbgZcfa Uh]cb" GY]bYʻibYbfÀi a Yʻg]bXʻUi gʻXYfʻNY]hʻ[YZU``Ybʻi bX'dUggYbʻb]W\h a Y\f'ni ʻXYbʻa cXYfbYbʻ5bgdfØW\YbžʻX]YʻUbʻY]bYʻdÀXU[c[]gW\Y 9]bf]W\hi b['[YghY``h'k YfXYb"; YfUXYʻk Y[YbʻXYfʻj Yfk]b_Y`hYb Ghfi _hi fʻi bXʻXYfʻi bhYfgW\]YX`]W\Ybʻ9VYbYbʻ]gh'YgʻgW\k]Yf][žʻY]b YZZY_h]j Ygʻi bX'nY]h[Ya À»Ygʻ?cbnYdhʻXYfʻi [YbX_ccdYfUh]cb A ÒbW\Yb[`UXVUW\!A]hhYʻf\i _ca a Ł'ni ʻfYU`]q]YfYb"

5_hi Y```g]bX`X]Y`Ni [Àb[Y`b]W\h'VUff]YfYZfY]ž'k Ug`VYXYi hYhž'XUgg
j]Y`Y`\$ [YbX`]W\Y`a]h`A cV]`]hÀhgY]bgW\fÀb_i b[Yb'j cb`XYf
Bi hni b[`XYg`NYbhfi a g`Ui g[YgW\`cggYb`k YfXYb"`8 Ug`]gh`b]W\h'bi f
ZØf`X]Y`6YhfcZZYbYb`Zfi ghf]YfYbXž'gcbXYfb`Yg`nY][h'Ui W\ž'k]Y
k]W\h][`\D_`i g]cb']b`\Yi h][Yb'gcn]U`Yb'9]bf]W\hi b[Yb']gh"8]Y
GUb]Yfi b[`XYg`GhYd!NYbhfi a g`]gh`U`gc'b]W\h'bi f`Y]bY
FYbcj]Yfi b[ga U\s\bU\a Yž'gcbXYfb`Y]bY`YggYbh]Y``Y
JYfVYggYfi b[ž'X]Y`Ui Z'X]Y`6YXØfZb]ggY`U``Yf`\$ [YbX`]W\Yb']b`XYf
GhUXh`UV[Ygh]a a h'k YfXYb`gc``"

; Yd`UbhY`I a VUi a U»bU\a Yb

=a 'FU\a Yb'XYg'Dfc Y_hg' Gcn]U`Y'GhUXh'5`h!; `UXVUW\ 'k]fX'XUg

⇒i [YbXnYbhfi a 'GhYd'Y]bYf'i a ZUggYbXYb'l a [YghU`hi b[
i bhYfnc[Yb"'8]YgY' =b]h]Uh]j Y'VY]b\U`hYh'Ui W\'XYb'VYbUW\VUfhYb

<Ubg! ≈bUg!DUf_ž'XYf'YVYbZU``g'Ui Z[YkYfhYh'k]fX"'8Yf'l a VUi

k]fX:XUni :VY]hfU[Ybž:XUg:NYbhfi a :b]W\h'bi f`a cXYfbž'gcbXYfb Ui W\:Y]b`UXYbX'i bX'Zi b_h]cbU``ni :[YghU`hYb"

- Cdh]a]Yfi b['XYf'FUi a Ui ZhY]`i b['ZØf'YZZY_h]j YfYg'@YfbYb
- 9]bgh]Y[']b'VUff]YfYZfY]Y'Ghfi _hi fYb
- +bhY[fUh]cb'U_hi Y``Yf'HYW\bc`c[]Yb'ZØf'k YgYbh`]W\Yg@YfbYb

9]bY'k]W\h][Y'?ca dcbYbhY'XYg'I a VUi g']gh'X]Y'VUff]YfYZfY]Y
Ni [Àb[`]W_Y]hz'X]Y'Yg'YXYa 'i [YbX`]W\Yb'Yfa Ò[`]W\Yb'gc``z'X]Y
5b[YVchY'XYg'i [YbXnYbhfi a g'ni 'bi hnYb"'9]bY'UXÀei UhY
; YghU`hi b['XYf'FÀi a `]W_Y]hYb'\Uh'XUVY]'XUg'N]Y`z'gcn]U`Y

=bhYfU_h]cbYb'ni 'ZÒfXYfb'i bX'XYb'5i ghUi gW\'nk]gW\Yb'XYb
i [YbX`]W\Yb'ni ']bhYbg]j]YfYb"'8Ug'k]fX'b]W\h'bi f'XYb
; Ya Y]bgW\UZhgg]bb'gh\Af_Ybz'gcbXYfb'Ui W\'X]Y'6]`Xi b['j cb
: fYi bXgW\UZhYb'ZÒfXYfb"

K À\fYbX'X]Y'[YbUiYb'?cghYb'ZØf'X]Y'GUb]Yfib['bcW\'ZYgh[Y`Y[hkYfXYb'a ØggYbž']gh'_`Ufž'XUgg'X]YgY'=bjYgh]h]cb'YbhgW\Y]XYbX'ZØfX]Y'dcg]h]jY'9bhk]W_`ib['XYf'gcn]U`Yb'=bZfUghfi_hif']b
A ÒbW\Yb[`UXVUW\']gh"

8]Y 6YXYi hi b[XYf GUb]Yfi b[

K Ufi a ']gh'XUg'U``Yg'gc'k]WXh][3'9]bY'I a [YghU`hi b['XYg i' [YbXnYbhfi a g'GhYd']gh'b]WXh'bi f'Y]bY': fU[Y'XYg'?ca Zcfhg/'Yg VYhf]ZZh'X]Y'@YVYbgei U`]hÀh'j]Y`Yf''I b[Yf'A YbgWXYb']b'XYf'FY[]cb" FÀi a Yž'X]Y'Z b_h]cbU``i bX'Y]b`UXYbX'g]bXž'Yf\O\Yb'X]Y'7\UbWYž XUgg'a Y\f'i [YbX`]WXY'XUVY]'g]bX'i bX'Ub'XYb'gcn]U`Yb'i bX V]`XYbXYb'5b[YVchYb'hY]`bY\a Yb"'8]Yg']gh'j cb'YbhgWXY]XYbXYf 6YXYi hi b['ZØf'X]Y'dYfgOb`]WXY'9bhk]W_`i b['i bX'XUg'gcn]U`Y A]hY]bUbXYf"

Ni gàhn`]W\ k]fX`X]Y`GUb]Yfi b[`XYg`< Ui gYg`Ui W\`U`g`7\UbW\
VYhfUW\hYhži a `bYi Yž`]bbcj Uh]j Y`dàXU[c[]gW\Y`5bgàhnY`ni
]a d`Ya Ybh]YfYbž`X]Y`XYb`\Yi h][Yb`< YfUi gZcfXYfi b[Yb`[YfYW\h
k YfXYb"`8]Y`a Yh\cX]gW\Yb`i bX`X]XU_h]gW\Yb`?cbnYdhY`gc``Yb`]a
bYi Yb`NYbhfi a `YbhqdfYW\YbX`Ub[YdUqqh`k YfXYbži a `X]Y

i [YbX`]WXYb'VYgha O[`]WX'ni 'ZOfXYfb"'G]Y'_ObbYb'XUbb'X]Y
5b[YVchY']a 'i [YbXnYbhfi a 'YZZY_h]j Yf'i bX'YZZ]n]YbhYf
k U\fbY\a Yb"

8]Y'BYi [YghU'hi b['XYg'is [YbXnYbhfi a g'GhYd'_ca a h'b]Wkh'bi f XYf'X]fY_hYb'Bi hnYf[fi ddY'ni [i hYž'gcbXYfb']gh'Ui Wk'HY]''Y]bYg [fò»YfYb'ghÀXh]gWkYb'9bhk]W_`i b[gd`Ubg"'A]h'XYf'i a ZUggYbXYbGUb]Yfi b['gc'''Y]b'FUi a '[YgWkUZZYb'kYfXYbž'XYf'J]Y'ZU'hž =b_`i g]cb'i bX'; Ya Y]bgWkUZhg[YZØ\''ZÒfXYfh' i bX'XUg'k]fX A ÒbWkYb['UXVUWk'Ui Z'`Ub[Y'G]Wkh'U'g'GhUbXcfh'ZØf's [YbXV]'Xi b[ghÀf_Yb"

9]b 6`]W_]b X]Y Ni _i bZh

8]Y VYj cfghY\YbXYb J YfÀbXYfi b[Yb]a '\$ [YbXnYbhfi a 'GhYd g]bX'Y]b'k]Wkh][Yf'GWkf]hh']b'X]Y'f]Wkh][YF]Wkhi b["A]h'XYf [Yn]Y'hYb'I a [YghU'hi b['k]fX'X]Y'A Ò[']Wk_Y]h'[YgWk UZZYbž'Y]b Y]b`UXYbXYg'i bX'i bhYfghØhnYbXYg'I a ZY'X'ZØf'U``Y'\$ [YbX`]WkYb ni 'gWk UZZYb"'8]Y'GhUXhj Yfk U'hi b['\Uh'Yf_Ubbhž'XUgg'X]Y \$ [YbXnYbhfYb'XYf'GWk`ØggY`'ni f': ÒfXYfi b['Y]bYf'U_h]j Ybž Yb[U[]YfhYb'i bX'[i h'j YfbYhnhYb'; YbYfUh]cb'g]bX"'8U\Yf']gh'XYf I a VUi 'XYg'\$ [YbXnYbhfi a g'b]Wkh'bi f'Y]bY'VUi ']WkY'A U» bU\a Yž gcbXYfb'Ui Wk'Y]b'NY]WkYb'ZØf'Y]b'bYi Yg'J YfghÀbXb]g'j cb \$ [YbXZÒfXYfi b["

9bhk]W_`i b[XYg ¾ [YbXnYbhfi a g GhYd

8]Y'[Yd`UbhY`FYbcj]Yfi b[`XYg`NYbhfi a g`]gh`b]W\h`bi f`Y]bY': fU[Y XYf`A cXYfb]g]Yfi b[ž'gcbXYfb`Ui W\`XYf`Ni [Åb[`]W_Y]h"'9]b
VUff]YfYZfY]Yf`Ni [Ub[']gh`]b`XYf`\Yi h][Yb`NY]h`i bYf`Àgg`]W\ž'i a
U``Yb`¾ [YbX`]W\Yb`X]Y`A Ò[`]W_Y]h`ni `V]YhYbž'Ub`XYb`5b[YVchYb
XYg`NYbhfi a g`hY]`ni \UVYb"'<]YfVY]`k]fX`Ui W\`X]Y`♣bhY[fUh]cb'j cb
¾ [YbX`]W\Yb`a]h`6Y\]bXYfi b[Yb']b`XYb`k Y]hYfYb`A]hhY`di b_h`XYf
5_h]j]hÀhYb`[YfØW_h"`

Gcn]U`Y'GhUXh'5`h!; `UXVUW

8]Y A U» bU\a Y Gcn]U Y GhUXh 5 h; `UXVUW i a ZUggh b]W h bi f X]Y GUb]Yfi b['XYg i [YbXnYbhfi a gž gcbXYfb 'Ui W X]Y
5i Zk Yfhi b['XYg [YgUa hYb GhUXhhY] `g" +b XYb `YhnhYb i xU\fYb \Uh
g]W [YnY][hž XUgg X]Y J YfVYggYfi b['XYf @YVYbgVYX]b[i b[Yb i]b
ghÀXh]gW Yb K c\b[YV]YhYb Xi fW Y]b i]bhY[f]YfhYg ? cbnYdhij cb
GUb]Yfi b[ž 6] Xi b[i bX gcn]U Yb 5b[YVchYb YbhgW Y]XYbX ni f
GhUV] `]g]Yfi b[i bX 5i Zk Yfhi b['X]YgYf'; YV]YhY VY]hfU[Yb _Ubb"
8 Yf < Ubg! &bUg! DUf_ i]gh Y]b 6Y]gd]Y `XUZØfž k]Y `OZZYbh`]W Y F Ài a Y
[Yn]Y `h [YghU `hYh k YfXYb _ObbYbž i a 'XUg'; Ya Y]bgW UZhg YVYb
i bX X]Y BUW VUfgW UZhgVYn]Y\i b[Yb ini 'ZÒfXYfb"

Ni gÀhn`]WX 'ni f'FYbcj]Yfi b['XYg'¾ [YbXnYbhfi a g'GhYd'k]fX'XUg Dfc'Y_h'Ui WX 'A U» bU\a Yb'ni f': ÒfXYfi b['j cb': fY]nY]hU_h]j]hÀhYb i bX'gcn]U`Yb'8]YbghYb']b'XYf'I a [YVi b['VY]b\U`hYb'' <]YfVY] gd]Y`h'X]Y'Ni gUa a YbUfVY]h'a]h'GWXi `Ybž'J YfY]bYb'i bX'UbXYfYb ♣bgh]hi h]cbYb'Y]bY'nYbhfU`Y'Fc``Y''8i fWX'Y]bY'Yb[Y'J YfbYhni b[gc``g]WXYf[YghY``h'k YfXYbž'XUgg'X]Y'5b[YVchY'_ca dUh]VY``g]bX i bX'Ui Z'X]Y'6YXØfZb]qqY'XYf'¾ [YbX`]WXYb'UV[Ygh]a a h'k YfXYb"

Fc``Y'XYf``c U`Yb'6Y\OfXYb'i bX':]bUbnYb

8]Y::]bUbn]Yfi b['XYf'I a VUi!'i bX'GUb]Yfi b[ga U»bU\a YbYfZc`[h'ni a '[fc»Yb'HY]`'ØVYf'ÒZZYbh`]WXY'A]hhY`ž'X]Y'j cbghÀXh]gWXYb'i bX'_ca a i bU`Yb'GhY``Yb'VYfY]h[YghY``h'k YfXYb"'\dangle A ÒbWXYb[`UXVUWX'_Ua 'Yg']b'XYb'`YhnhYb'\d\Yf'b]a a Yf'k]YXYf'ni<Ui q\U`hqXYVUhhYb'ØVYf'X]Y':]bUbn]Yfi b['gcn]U`Yf'Dfc'Y_hY"

8 Ybbc W. `\ Uh'g]W. `X]Y `GhUXh'YbhgW.]YXYbž']b `X]Y `GUb]Yfi b[`XYg \$\frac{1}{2} \text{ [YbXnYbhfi a g'i bX'X]Y \text{ a [YghU\hi b[`XYg' < Ubg! \text{ bUg! DUf_g'ni}]b] Ygh]YfYbž'i a `Y]b `G][bU\` \ZØf'X]Y \text{ bhYfghØhni b['j cb \$\frac{1}{2} \text{ [YbX\`]W\Yb'i bX': Ua]\`]Yb']b `gW\k]Yf][Yb'@YVYbg\`U[Yb'ni gYhnYb"

Ni gàhn`]W\ni f'ÒZZYbh`]W\Yb':]bUbn]Yfi b['_ObbhYb'Ui W\
: ÒfXYfa]hhY`'j cb'Gh]Zhi b[Yb'i bX'df]j UhYb'GdcbgcfYb']b'5bgdfi W\
[Ybca a Yb'k YfXYb"'8]YgY'_ObbhYb']bgVYgcbXYfY'ZØf'gdYn]Y``Y
Dfc[fUa a Yž'K cf_g\cdg'cXYf'J YfUbghU`hi b[Yb'[Ybi hnh'k YfXYbž
X]Y']a 'F U\a Yb'XYg'¾ [YbX`]W\YbnYbhfi a g'GhYd'Ub[YVchYb
k YfXYb'gc``Yb"'8]Y'9]bV]bXi b['j cb'¾ [YbX`]W\Yb']b'X]Y'D`Ubi b[
i bX'8i fW\ZØ\fi b['XYf'J YfUbghU`hi b[Yb'_ObbhY'XUfØVYf'\]bUi g
XYfYb'¾Ybh]Z]_Uh]cb'a]h'XYa 'NYbhfi a 'ghÀf_Yb"

8 Y hU]`g

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