

# J ZF : ]gWX Y`b. 'B ]\_`Ug'; YfUYhg'[`Àbnh'a ]h J ]YfYfdUW\_'ni a '@][ U!GhUfh'

8 Y f 'J ZF': ]gWX Y `b 'U `g '5 i ZghY][ Y f 'hf]ZZh 'U i Z 'X Y b 'J ]n Y a Y ]ghY f "
=a ': c\_i g. 'B ]\_`Ug'; Y f U Y hg 'a ]h 'j ]Y f 'H c f Y b 'i b X

VYa Y f\_Y b gk Y f h Y f '9 b hk ]W\_`i b [ "

8 Yf'J ZF': ]gWX Y`bž'Y]b'BYi`]b[']b'XYf': i » VU``!@UbXYg`][U'%ž\UhY]bYb'Zi`a ]bUbhYb'GhUfh']b'X]Y'GU]gcb'\]b[Y`Y[h''6Y]'XYb V]g\Yf][Yb'A UhWXYg'nY][h'g]WX'X]Y'A UbbgWX UZh'U`g'Y]b[Ygd]Y`hYg HYUa'a ]h'j ]Y``DchYbn]U`ž'XcWX'VYgcbXYfg'Y]b'Gd]Y`Yf'gh]WXh'Ui g XYf'; fi ddY'\Yfj cf"'B]\_`Ug'; YfUYhg'\Uh'g]WX']b'XYf'YfghYb'D\UgY XYf'A Y]ghYfgWX UZh'ni 'Y]bYf'k U\fYb'Hcfa UgWX]bY'Ybhk ]W\_Y`h'i bX Yfn]Y`hY'i b[`Ui V`]WXY'j ]Yf'HfYZZYf']b'bi f'Y]bYa 'Gd]Y`"

### HU`Ybhi bX HYUa [Y]gh]a Ni gUa a Ybgd]Y`

 $K \ Ug'; \ YfUYhg'VYgcbXYfg'Ui \ gnY]WXbYhž']gh'b]WXh'bi f'gY]b'HU`Ybhž gcbXYfb'Ui WX'gY]bY': Å\][ _Y]hž'XUg'HYUa 'ni 'a ch]j ]YfYb'i bX'ni $Z\emptyset\fYb''=a :: i >> VU```]gh'HYUa UfVY]h'YbhgWXY]XYbXž'i bX'; YfUYhg gWXY]bh'XUg'ni 'j Yf]bbYf`]WXYb''`9g']gh'VYa Yf_Ybgk Yfh'ni 'gY\Ybž k ]Y'Yf'b]WXh'bi f'Z<math>\emptyset$ f'g]WX'gY`Vghž'gcbXYfb'Ui WX'Z $\emptyset$ f'gY]bY'A ]hgd]Y`Yf

XU']gh''GY]bY'j ]Yf'HcfY'U``Y]b']b'Y]bYa 'Gd]Y`'nY][Ybž'k ]Y'k ]W\h][]bX]j ]Xi Y``Y'@Y]ghi b[']ghž'i a 'XUg'?c``Y\_h]j 'ni 'ghÀf\_Yb''

8]Y'CZZYbg]j Y'XYg'JZF: ]gWXY'b'dfcZ]h]Yfh'Ybcfa 'j cb'gY]bYf
DfÀgYbn'Ui Z'XYa :: Y'X"; YfUYhg 'Gd]Y'k Y]gYž'[ YdUUfh'a ]h'gY]bYf
GWXbY``][ \_Y]h'i bX'DfÀn]g]cbž'\Uh'Yg'XYa 'JYfY]b'Yfa Ò[`]WXhž']b'XYf
@UbXYg`][ U'Ui ZZÀ``][ 'ni 'gY]b"'A ]h''YXYf'6Y[ Y[ bi b[ 'YfUfVY]hYh'g]WX
XUg'HYUa 'a Y\f'FYgdY\_h'i bX'5i Za Yf\_gUa \_Y]h'j cb'gY]bYb
; Y[ bYfb'i bX'Ni gWXUi Yfb"'\delta'; YgdfÀWXYb'a ]h': Ubg'a Yf\_h'a Ub
X]Y'ghY][ YbXY'6Y[ Y]ghYfi b[ 'ZØf'XUg'HYUa 'i bX']bgVYgcbXYfY'ZØf
; YfUYhg"'

## 8 Ug HYUa ]a 5 i ZgWkib[

8]Y 5bZUb[gYi d\cf]Y ]gh]a [YgUa hYb JYfY]b gdØfVUf" \*XYf G]Y[k]fX ZfYbYh]gWX [YZY]Yfhž XUg HYUa nY][hY]bY VYa Yf\_Ybgk YfhY Ni gUa a Yb[Y\Of][\_Y]h" 6YgcbXYfg ZØf X]Y : Ubg XYg J ZF : ]gWXYb]gh X]Yg Y]b Ui ZfY[YbXYg ? Ud]hY `]b XYf JYfY]bg[YgWX]WX hY " 8]Y Xi fWX Ui g Ya ch]cbU Y FY]gY i bX X]Y < YfUi gZcfXYfi b[Ybž X]Y ; YfUYhg i bX gY]bY A ]hgd]Y Yf Xi fWX YVh \ UVYbž g]bX Y]b 6Yk Y]g ZØf XYb i bVYi [gUa Yb K]`Yb XYf A UbbgWX UZh" 5i WX X]Y I bhYfghØhni b[XYg Di V`]\_i a g hfÀ[h ni f dcg]h]j Yb 9bhk ]W\_`i b[VY]/a Ub k ØfXY ZUgh gU[Ybž XYf JYfY]b \ Uh Y]bY bYi Y = XYbh]hÀh [Yk cbbYb"

A ]h'XYa 'U\_hi Y``Ya 'GW\ki b['i bX'XYf'A ch]j Uh]cb`\Uh'X]Y
A UbbgW\UZh'XUg'DchYbn]U`ž']b'XYf'@][U'b]W\h'bi f'ni 'VYghY\Ybž
gcbXYfb'Ui W\'i a '5i Zgh]Y[gd`ÀhnY'ni '\_Àa dZYb"'8]Y'9bhk]W\_`i b[
XYg'HYUa g'k]fX'j cb'j]Y`Yb'U`g'k]W\h][Y'D\UgY'Ub[YgY\Ybž']b'XYf
X]Y'Gd]Y`Yf']\fY: À\][\_Y]hYb'i bX']\f'Ni gUa a Ybgd]Y`'kY]hYf
j YfZY]bYfb'\_ObbYb"'8]Y'UbghY\YbXYb'Gd]Y`Y'j YfgdfYW\Yb
kY]hYf\]b'gdUbbYbXY'6Y[Y[bi b[Ybž'VY]'XYbYb'B]\_`Ug'; YfUYhg
gY]bY: À\][\_Y]hYb'i bhYf'6YkY]g'ghY``Yb'\_Ubb"

8]Y @UbXYg`][ U']gh'VY\_Ubbh'XUZØfž'\{ b[ Yb'HU`YbhYb'Y]bY'6Ø\bY'ni V]YhYbž'i bX'XYf'J ZF': ]gW\Y\b'bi hnh'X]YgY'; Y`Y[ Yb\Y]h''8]Y Ni \_i bZh'g]Y\h'j ]Y`j YfgdfYW\YbX'Ui gž'i bX'Yg'V`Y]Vh'UVni k UfhYbž k ]Y'g]W\X]YgY'bYi Y'8 mbUa ]\_']b'XYb'\_ca a YbXYb'K cW\Yb

#### 9]b 'HU`Ybh']a 'F Ua dYb`]W\h

B]\_`Ug'; YfUYhg']gh'b]W\h'bi f'Y]b'Gd]Y`Yfž'XYf'XYa 'HYUa '\]`Zhž gcbXYfb'Ui W\Y]b'Gma Vc``ZØf'XYb'i bYfgW\ØhhYf']W\Yb'; Y]gh'i bX X]Y'5a V]h]cbYb'XYg'J YfY]bg"'A]h'gY]bYf'dcg]h]j Yb'9]bghY``i b['i bX XYa 'i bYfa ØX`]W\Yb'9b[U[Ya Ybh']bgd]f]Yfh'Yf'b]W\h'bi f'gY]bY HYUa \_c``Y[Ybž'gcbXYfb'Ui W\X]Y''\b[Y': Ub[Ya Y]bXY'''; YfUYhg k]fX'ni a '6Y]gd]Y`'ZØf'Gd]Y`Yf'U``Yf'5`hYfg[fi ddYbž'X]Y'hfÀi a Ybž Y]bYg'HU[Yg']b'gc`W\Y]bYf'@][U'ni 'gd]Y`Yb'''Gc`W\Y'; YgW\]W\hYb g]bX'Ygž'X]Y'XYb': i » VU```gc 'VYgcbXYfg'a UW\Yb'''8]Y <YfUi gZcfXYfi b[Yb'i bX'Hf]i a d\Y'Y]bYg'Y]bnY`bYb'Gd]Y`Yfg'g]bX b]W\h'bi f'g]Y'gY`Vgh/'g]Y'g]bX'XUg'<YfnghØW\_Y]bYg'JYfY]bgž'XYf\Ufh'UfVY]hYhži a 'gY]bY'N]Y'Y'ni 'YffY]W\Yb''

## $8]Y^9bhk]W_ib[jcb^B]_Ug; YfUYhg$

B]\_`Ug'; YfUYhgžXYf`U`g`9][Yb[Yk ÀWXg`XYg`J ZF`:]gWXY`b`[]`hž`\UhY]bY`VYa Yf\_Ybgk YfhY`?Uff]YfY`[Ya UWXhžX]Y`]\b`j cb`XYb`i bhYfYb@][Yb`V]g`]b`X]Y`@UbXYg`][U`[YZØ\fh`\Uh"`GY]bY`gdcfh`]WXY9bhk ]W\_`i b[`]gh`b]WXh`bi f`Ui Z`gY]b`HU`Ybh`ni fØW\_ni ZØ\fYbžgcbXYfb`Ui WX`Ui Z`gY]bY`\UfhbÀW\_][Y`5fVY]h`i bX`XYbi bYfa ØX`]WXYb`K]``Ybž`g]WX`ni 'j YfVYggYfb"`BUWXXYa 'Yf`]b`XYf?fY]g`][U`5`gd]Y`hYž`\_cbbhY`Yf`g]WX`Xi fWX`gY]bY`@Y]ghi b[Yb`]b`XYf JcfVYfY]hi b[`i bX`X]Y`I bhYfghØhni b[`gY]bYf`HYUa \_c``Y[Yb`Y]bYbD`Uhn`]b`XYf`YfghYb`A UbbgWXUZh`Yf\_Aa dZYb"

8]Y '5fh'i bX'K Y]gYž'k]Y'; YfUYhg'gck c\``gY]bY'Y][YbY'Gd]Y`k Y]gY U`g'Ui W\'gY]bY'HYUa XmbUa]\_'j YfVYggYfh'\Uhž']gh'Ui W\'Y]b'6Yk Y]g ZØf'X]Y'HfU]b]b[ga Yh\cXYb'i bX'X]Y'7cUW\]b[ghfUhY[]Y'XYg'J ZF: ]gW\Y`b"'8]Y'?ca V]bUh]cb'Ui g'dYfgÒb`]W\Ya '9\f[Y]n'i bX'Y]bYa i bhYfghØhnYbXYb'HYUa i a ZY`X'\Uh'Yg']\a 'Yfa Ò[`]W\hž'Y]bY GW\`ØggY`fc``Y']a '5i Zgh]Y['gY]bYf'A UbbgW\UZh'ni 'gd]Y`Yb"

8]YFc``Yjcb'HYUaUfVY]h']b'XYf'@UbXYg`][U

### I i \* VU``ž']bgVYgcbXYfY`]b`XYb`i bhYfYb`@][Ybžgd]Y`h`X]Y

HYUa UfVY]hY]bY`YbhgWXY]XYbXY`Fc``Y`ZØf`XYb`9fZc`["'8Yf`JZF

: ]gWXY`b`\Uh']b`X]YgYf`GU]gcb`[YnY][hž'k]Y`k]WXh][`Y]b

\Ufa cb]gWXYg`A]hY]bUbXYf`Ui Z`XYa`D`Uhn`]gh"'8]Y`?c``Y\_h]cb`j cb

HU`YbhYbž'[YdUUfh'a]h`XYa`HYUaVi]`X]b[`i bX`XYf`hU\_h]gWXYb

5i gV]`Xi b[ž'\Uh'XUni `[YZØ\fhž'XUgg`XYf`JYfY]b`g]WX`b]WXh'bi f`Ui Z

]bX]j ]Xi Y``Yfž'gcbXYfb`Ui WX`Ui Z`\_c``Y\_h]j Yf`9VYbY`ghUf\_

dfÀgYbh]Yfh"`GhUh]gh]\_Yb`nY][Ybž'XUgg`HYUa gž'X]Y`]b`XYf`@U[Y`g]bXž
[i h'ni gUa a Ybni UfVY]hYbž'cZh'VYggYfY`9f[YVb]ggY`Yfn]Y`Yb"`8Yf

J ZF`\Uh'g]WX`]b`XYf``Ui ZYbXYb`GU]gcb`U`g`6Y]gd]Y``ZØf`X]YgY

H\Ycf]Y`YhUV`]Yfh"

8 UfØVYf`\]bUi g`]gh'X]Y`?`i Zh'nk ]gWXYb`XYb`5a UhYi f!'i bX
DfcZ]X]j ]g]cbYb`cZh'XYi h`]WXž'UVYf'XYf'J ZF :: ]gWXY`b'\Uh'VYk ]YgYbž
XUgg'a ]h'XYf'f]WXh][Yb'9]bghY``i b['i bX'HYUa gd]f]h'[fc»Y
: cfhgWXf]hhY`Yfn]Y`h'k YfXYb'\_ObbYb"'8Yf': ]gWXY`b!BYi `]b['\Uh'g]WX
ZfØ\']b'XYf'@][U'VY\Ui dhYh'i bX'nY][hž'k]Y`k]WXh]['9]b\Y]h'i bX
Ni gUa a Yb\U`h'g]bXž'i a '[Y[Yb'ghÀf\_YfY'; Y[bYf'VYghY\Yb'ni\_ObbYb"

8 YhU]`q

6 Y gi W Y b 'G ] Y 'i b g 'U i Z 'b ! U [ "X Y