

## ; Ya Y]bXYfUhga ]h[`]YX']b'XYf'I \_fU]bY Yf\_`Àfh'%&('6H7!'i bX') \$\$'HYg`U!5\_h]Yb'

9]b F Y [ ]Y fi b [ gVYUa hY f ]b XY f F Y [ ]cb F ]j b Y ]b XY f I \_ f U]b Y VY g]hnh ? fmd hck À\ fi b [ Yb ]a K Y fh j cb ZUgh, A ]``]cb Yb I G! 8 c ``Uf i b X ') \$\$ 'HY g`U! 5\_h]Y b z k ]Y 'gY]b Y '9 f\_ `À fi b [ 'n Y] [ h" 8 ]Y B UW K ]W h \_ ca a h z U `g Y]b Y 'Ub XY f Y i \_ f U]b ]g W Y ; Y g Y hn [ Y V Y f]b ]b ?] Y k 'G W k ]Y f][ \_ Y]hY b `\ UhhY z X Y b '6 Y g]hn XY f '? fmd hc! 6 Y ghÀ b X Y ']b ']\ f Y f 'J Y fa Ò [ Y b g Ui ZghY ``i b [ b UW ni k Y]g Y b "6 Y Ua hY 'X Y f I \_ f U]b Y 'X Y \_` `Uf]Y f Y b '? fmd hc! 5 g g Y hg z ``Y [ Yb \_ Y]b Y b '9] [ Y b hi a g b U W k Y ]g 'j c f '? fmd hc! b j Y g h]h]cb Y b 'Y f Z f Y i hY b 'g] W `]b 'X Y b ``Y hnhY b ' \J\ f Y b 'V Y] i \_ f U]b ]g W Y b 'Dc `]h]\_Y f b 'k U W g Y b X Y f '6 Y `]Y V h\ Y]h z k ]Y c V `][ Uhc f]g W Y 'J Y fa Ò [ Y b g Y f\_ `A f i b [ Y b 'Y f [ Y V Y b `\ UV Y b " @U i h U\_hi Y ``Y b 'A Y X]Y b '6 Y f] W hY z Y ]b 'A ]h[ `]Y X 'X Y g ; Ya Y]b X Y f Uhg j c b 'J ]f c j g\_m ]a 'k Y g h `]W Y b '; Y V]Y h F ]j b Y `\ Uh Y f\_ `A f ha ]h '% ( '6 H 7 ']a 'K Y f h j c b 'Z Ugh', 'A ]``]c b Y b 'I G! 8 c ``Uf 'ni '\Y i h][ Y b D f Y]g Y b " ' Ua d \ Y ``]d /

9]b FY[]Yfi b[gVYUa hYf]b XYf FY[]cb F]j bY ]b XYf
I \_fU]bY VYg]hnh? fmd hck À\fi b[Yb]a K Yfh j cb ZUgh;
A ]``]cbYb I G!8c``Uf i bX') \$\$ HYg`U!5\_h]Ybž k ]Y gY]bY
9f\_`Àfi b[ 'nY][ h" 8]Y B UWX f]WX h \_ca a hž U`g Y]bY Ub XYfY
i \_fU]b]gWX Y ; YgYhn[ YVYf]b ]b ?]Yk 'GWX k ]Yf][ \_Y]hYb \ UhhYž
XYb '6Yg]hn XYf ? fmd hc!6YghÀbXY ]b ]\fYf
J Yfa Ò[ YbgUi ZghY``i b[ 'bUWX ni k Y]gYb"

6YUa hY'XYf'I \_fU]bY'XY\_`Uf]YfYb'? fmdhc! 5ggYhgž'`Y[Yb'\_Y]bYb'9][Ybhi a gbUWk k Y]g j cf

? fmd hc!  $\Rightarrow$ j Ygh]h]cbYb `YfZfYi hYb `g]W\ `]b `XYb ``YhnhYb ` $\Rightarrow$ J\fYb `VY] i \_fU]b]gW\ Yb `Dc`]h]\_Yfb `k UW\ gYb XYf `6Y`]YVh\Y]hž k ]Y cV`][ Uhcf]gW\ Y `J Yfa Ò[ YbgYf\_`Àfi b[ Yb `Yf[ YVYb `\ UVYb "`@Ui h U\_hi Y``Yb `A YX]Yb `6Yf]W\ hYž `Y]b `A ]h[`]YX `XYg ; Ya Y]b XYfUhg j cb J ]fcj g\_m']a `k Ygh`]W\ Yb '; YV]Yh `F ]j bY `\ Uh'\ Yf\_`Àfh `a ]h `%&( `6H7 `]a K Yfh j cb `ZUgh', `A ]``]cbYb `I G!8 c``Uf `ni `\ Yi h][ Yb `DfY]gYb"

#D']\fYb'9f\_`Àfi b[Yb'ZØf'&\$&\$'\UVYb'DYfgÒb`]W\\_Y]hYb'XYg

OZZYbh`]W\Yb'@YVYbg'ni [Y[YVYbž']bg[YgUa h'(\*'') %'ni 'VYg]hnYb'
6H7 i bX'j YfgW\]YXYbY'UbXYfY'X][]hU`Y'K À\fi b[Ybž

Y]bgW\`]Y»`]W\'9H< ž'@H7 ž'67< ž'i bX'L A F ž'bUW\'XYb'j cb'XYf''
ni gUa a Yb[YghY``hYb'NU\`Yb'CdYbXUhUVch'D`UhhZcfa ž'X]Y

OZZYbh`]W\Y'FY[]ghYf']b'XYf'I \_fU]bY'ØVYfk UW\h''B]W\h'U``Y'j cb
]\bYb'\_cbbhYb''YXcW\'X]Y'YfZcfXYf`]W\Yb'8c\_i a YbhY'j cf`Y[Ybž
i a 'bUW\ni k Y]gYbž'XUgg'g]Y'X]Y'?cbhfc``Y'ØVYf'X]Y'A ØbnYb
\UVYb'''\D'X]YgYa ': fØ\'U\f'\Uh'X]Y'BUh]cbU`Y'5[Ybhi f'ZØf
?cffi dh]cbgdfÀj Ybh]cb'fB5D7Ł'j YfgdfcW\Ybž'X]Y'NU\`Yb'ni
ØVYfdfØ7Yb"</pre>

. . .

## 9]b UbXYfYfi \_fU]b]gWXYf5V[YcfXbYhYf Ubb Y]bYY][YbY?fmdhck À\fi b[Ub[YVYb

I \_fU]b]gWXY'A YX]Yb'VYf]WXhYhYb']a 'GYdhYa VYfž'XUgg'Y]b

5V[YcfXbYhYf'Ui g'DfÀg]XYbh'GY'Ybg\_m^g'8]YbYf'XYg'Jc`\_Yg
\UhhY'Yg'j YfgÀi a hž'gY]bY'X][]hU'Yb'6YghÀbXY'bUWXni k Y]gYb"

8 UhYb'UV[Y'Y[h'8Yf'; YgYhn[YVYf'[UV'VY\_Ubbhž'XUgg'gY]bY': fUi
A Uf]U'GU`hm\_cj U'(&'6H7''YhnhYg'\\\)\fž'UVYf'B5D7'gU[hYž'Yf'\UVY\_Y]bY'I bhYf'U[Yb'Y]b[YfY]WXhž'X]Y'X]Y'F]WXh][\_Y]h'X]YgYf

\DZcfa Uh]cbYb'VYghÀh][Yb"'8Yf'5V[YcfXbYhY'Yf\_`AfhY'bi fž'XUgg
X]Y'?fmdhc'Ui Z'Y]bYf'<UfXk UfY!K U``Yh'[YgdY]WXYfh'k Ufž'X]Y
j YfgWXk UbXž'U`g'gY]b'5i hc'5bZUb['X]YgYg'\\\JYg'[Yghc\`Ybki fXY"

; i f]bg']gh'\_Y]b'9]bnY`ZU```]b'XYf'I \_fU]bY"'9]b'\_Øfn`]W\'YfgW\]YbYbYf
5fh]\_Y``XYg'DcfhU`g' G`cj c']'8]`c 'nY][ hYž'XUgg'Y]b'UbXYfYg
A ]h[`]YX'XYf'K YfW\ck bU'FUXUž'5bbU'G\_cfc\_\cXž'XYf'B5D7
\_Y]bYb'BUW\kY]g'YfVfUW\hYž'XUgg'g]Y'hUhgÀW\`]W\'X]Y
?fmdhck À\fi b[Yb'VYgU» ž'X]Y'g]Y'ni j cf'XYf'\Dgh]hi h]cb'[Ya Y`XYh\UhhY"

 $\pm$ 0']\fYf'`YhnhYb'9f\_`Àfib['[UV'G\_cfc\_\cX'Ubž'g]Y'\UVY'(('6H7ž

%' \$'9H< 'i bX'%' ) '9H7'k À\fYbX']\f'XUa U`][Yf'9\Ya Ubb'5`YIYm 5`mU\_]b'Yhk U'%%, '  $\check{z}'+$ , ' i bX'') \$''']b'gY]bYa '6Yg]hn'\]Y`h' 9H7"'8Yf'i \_fU]b]gW\Y'5V[YcfXbYhY'[UV' U``[Ya Y]bY'9f\_`Àfi b[Yb ni a '9f\U`h'i bX'6Yg]hn'XYf'?fmdhck À\fi b['UV $\check{z}$ 'c\bY'8c\_i a YbhY j cfni `Y[Yb $\check{z}$ 'X]Y'X]Y'HUhgUW\Yb'XYg'9fk YfVg'i bX'X]Y JYfZØ[VUf\_Y]h'XYf'?fmdhck À\fi b['ni a '9bXY'XYg 6Yf]W\hgnY]hfUi a g'VYgW\Y]b][Yb "

8 Yf'K Yfh'XYf'? fmd hck À\fi b[Yb'k i fXY'ni a 'NY]hdi b\_h'XYg'? Ui Zg Ui Z'a Y\f'U`g'&ž+'A]``]cbYb'; f]k bU'fØVYf'%\$\* "\$\$\$'I G8Ł'[YgW\Àhnh" G\_cfc\_\cX'gU[hY'XYf'B5D7ž'XUgg'Ui Z[fi bX']\fYf'i bni fY]W\YbXYb ?Ybbhb]ggY'ØVYf'XUg'X][]hU`Y'; Y`X'U``Y'CdYfUh]cbYb'a]h'XYb A ØbnYb'j cb']\fYa '9\Ya Ubb']b']\fYa 'BUa Yb'Xi fW\[YZØ\fh k i fXYb"'G]Y'ZØ[hY'\]bni ž'XUgg'g]Y'bUW\']\fYf'GW\Y]Xi b['\_Y]bYb Ni [Ub['ni 'XYb'GW\`ØqqY`b'cXYf'6Y[`Y]hXc\_i a YbhYb'\UhhY"

J ]fhi U``5ggYhg`cZ'I \_fU]bYž'Y]bY`ÒZZYbh`]W\Y`Cf[Ub]gUh]cbž'i bX`X]Y
J YfY]b][i b[ '6`cW\_W\U]b(I \_fU]bYž'X]Y'; YgYhn[YVYf'j YfgW\]YXYbYf
dc`]h]gW\Yf': fU\_h]cbYb`]a 'i \_fU]b]gW\Yb`DUf`Ua Ybh'j YfY]bhž'\UVYb
j cf[YgW\`U[Ybž'Y]bY`5bZcfXYfi b['Y]bni ZØ\fYbž'X]Y'X]Y
HfUbgdUfYbn']b'6Yni ['Ui Z'X]Y'J Yfa Ò[YbgYf\_`Àfi b[Yb'j cb
6YUa hYb'Yf\Ò\Yb'k ØfXY"'8]Y'VY]XYb'9bh]hÀhYb'VYghY\Yb'XUfUi Zž
XUgg'6YUa hY'X]Y'5XfYggYb']\fYf'?fmdhck À\fi b[g!K U``Yhg']b']\fYb
9f\_`Àfi b[Yb'Ub[YVYb'gc``hYb"

; `Ui VYb `G]Yž XUgg `i \_fU]b]gWX Y `Dc`]h]\_Yf`]b `XYf`@U[ Y `gY]b k YfXYbž ZØf `U``Y`]\ fY '? fmd hc k À\ fi b[ gVYghÀbXY F YWX YbgWX UZh `UVni `Y[ Yb3'HY]`Yb `G]Y `=\ fY '; YXUb\_Yb `ni X]YgYa `H\ Ya U`]b `XYb `? ca a YbhUfYb `i bhYb `a ]h"`

6] XbUW k Y]gY. G\i hhYfghcW\_ZD]I UVUmZK ]\_] 7ca a cbg

fZ bWh]cbfXž'gž']XŁ'o'j Uf''ĝž'Z'ĝ'1 'X"[Yh9`Ya Ybhg6mHU[BUa YfgŁQ\$Q']Z'fX"[Yh9`Ya Ybh6m $\neq$ Xf]]XŁŁ'fYhi fb/''ĝ'1 'X"WfYUhY9`Ya YbhfgŁ/''ĝ"]X'1 ]X/''ĝ"gfW1 "\hhdg.##WcbbYWh'ZUWYVcc\_"bYh#YbSl G#gX\_"' $^{\circ}$ Q, I ZVa `1 %/

8 YhU]`g

6 Y gi W Y b 'G]Y 'i b g 'Ui Z '\_fmd hc!b Y k g "Uh