

## 6]hWc]b DUma Ybhg 5dd Ghf]\_Y ZØ[h I bhYfghØhni b[ ZØf HYh\Yfg I G8H \]bni

Ghf]\_Y` 'Y]b'6]hWc]b!NU\`i b[gi bhYfbY\a Yb'i bX'Y]bY

, VYfk Y]gi b[g!5dd` '\_ØbX][hY'X]Y' \(\frac{1}{2}\text{bhY}[fUh]cb'XYg'k Y`hk Y]h

[fO) hYb'GhUV`YWc]bgž'HYh\Yfg'I G8Hž'Ub'''8Yf'Øb[ghY'GW\f]hh

Zc`[h'Ui Z'X]Y'9I dUbg]cb'j cb'Ghf]\_Y']b'\*) 'k Y]hYfY'@\(\frac{1}{2}\text{bXYf'i bX} \text{XUg'I G8H!i bhYfghØhnhY'bYi Y'5dd!8Yg][bz'XUg'Ui Z'XYf

6]hWc]b'\&\&' 'Ub[Y\_ØbX][h'k i fXY'''Ghf]\_Y!HYh\Yf!\(\frac{1}{2}\text{bhY}[fUh]cb

8]Y'\(\frac{1}{2}\text{bhY}[fUh]cb'n]Y'h'XUfUi Z'UVz'k]W\h][Y'<YfUi gZcfXYfi b[Yb

Ubni [Y\Ybz'X]Y'X]Y'VfY]hY'5\_nYdhUbn'XYf'6fUbW\Y

VY\]bXYfbz'Y]bgW\`]Y\(\frac{1}{2}\text{Y}\text{V}Y]h'j'6h'Ubn'XYf'6fUbW\Y

VY\]bXYfbz'Y]bgW\`]Y\(\frac{1}{2}\text{Y}\text{V}\text{Uh}\text{Y}\text{Bohn'}\text{Wh'z'XUgg'X]Y'?ca V]bUh]cb'XYf

GhUV]`]h\(\hat{1}\text{h'i bX'B\(\text{B}\text{Mn'}\)]W\(\text{Y}\text{Y}\text{D}\text{G}\text{H'a}\text{]h'XYb

NU\`i b[g'Ogi b[Yb'j cb'Ghf]\_Y'U'g' ni j Yf'\(\text{A}\text{G}\text{UbngmghYa} Yb

X]Ybh'i bX'[`Y]W\(\text{N}\text{Y}\text{I'}\text{Ugg'F}]g]\_c'j cb'DfY]ggW\(\text{k} Ub\_i b[Yb

a |b|a |Yfh''\(\frac{1}{2}\text{DYf'}\text{Ua} d\(\text{Y}\text{Y}\text{Id}



 $Ghf]\_Y \ \ Y]b \ 6]hWc]b!NU\ i \ b[\ gi \ bhYfbY\ a \ Yb \ i \ bX \ Y]bY$ 

, VYfk Y]gi b[g!5dd' '\_ØbX][hY'X]Y'  $\Rightarrow$ hY[fUh]cb'XYg'k Y`hk Y]h [fÒ» hYb'GhUV`YWc]bgž'HYh\Yfg'I G8 Hž'Ub"

 $8 \ Yf'' \%b[ghY'GWXf]hh'Zc`[h'UiZ'X]Y'9IdUbg]cb'jcb'Ghf]_Y']b''*) \\ k \ Y]hYfY'@AbXYf'ibX'XUg'IG8H!ibhYfghØhnhY'bYiY'5dd!8 Yg][bžXUg'UiZ'XYf'6]hWc]b''&$&''Ub[Y_ØbX][h'kifXY''$ 

## $Ghf]_Y!HYh\Yf!=bhY[fUh]cb$

 $8 ]Y \to hY [fUh]cb'n]Y `h'XUfUi Z'UV \check{z}'k ]W h][Y' < YfUi gZcfXYfi b[YbUbni [Y\Yb\check{z}'X]Y'X]Y'VfY]hY'5_nYdhUbn'XYf'6fUbW Y'VY\]bXYfb\check{z}Y]bgW `]Y "`Yyy `]W 'XYg'J c`Uh]`]hAhgUgdY_hg'j cb'?fmdhc!5ggYhg"$ 

8 U\Yf'k ]fX'Yfk UfhYhž'XUgg'X]Y'?ca V]bUh]cb'XYf'GhUV]`]hÀh'i bX BØhn`]WX\_Y]h'j cb'I G8 H'a ]h'XYb'NU\`i b[g`Ògi b[Yb'j cb'Ghf]\_Y'U`g ni j Yf`Àgg][Y'6fØW\_Y 'nk ]gWXYb'XYf'?fmdhck Y`h'i bX hfUX]h]cbY``Yb': ]bUbngmghYa Yb'X]Ybh'i bX'[`Y]WXnY]h]['XUg'F]g]\_c j cb'DfY]ggWk Ub\_i b[Yb'a]b]a ]Yfh"

±b 'Y]bYf'9f\_`Àfi b['j ca 'A cbhU['gU[hY'HYh\Yfž'XUgg'6Ybi hnYf'a]h gY]bYa 'GhUV`YWc]b'U`g'J Yfa ]hh`Yf'X]Y'A Ò[`]W\\_Y]h'Yf\U`hYb k YfXYbž']\fY'X][]hU`Yb'J Yfa Ò[Ybgk YfhY'gW\bY``']b':]Uh!K À\fi b[i a ni k UbXY`b'i bX'XUVY]' @]ei]X]hÀhgdfcV`Ya Y'ni 'ØVYfk]bXYbž X]Y'ni j cf'X]Y'9]bZØ\fi b['VY\]bXYfh`\UVYb"

=a '5bgW\`i gg'Ub'X]Y'9bhk ]W\_`i b['\_ca a Ybh]YfhY'HYh\Yf!7HC DUc`c'5fXc]bc.

K ]f'ZfYi Yb'i bgž'X]Y' ⇒bhY[fUh]cb'j cb'HYh\Yf'fl G8 Ł'a ]h'Ghf]\_Y VY\_Ubbh'ni '[YVYb"'8]Yg']gh'Y]b'YbhgW\Y]XYbXYf'A ca Ybh'ZØf'X]Y ?fmdhck À\fi b[gVfUbW\Yž'XU'Yf'X]Y'k UW\gYbXY'5\_nYdhUbn'i bX 5bYf\_Ybbi b['j cb'GhUV'YWc]bg'U`g'ni j Yf`Àgg][Y'i bX'YZZ]n]YbhY X][]hU`Y'NU\`i b[g`Ògi b['VYXYi hYh"

8 Yf; YgW\ÀZhgZØ\fYf`ZØ[hY`Ui » YfXYa `\]bni ž`XUgg`X]Y Ni gUa a YbUfVY]h`X]Y`k Y]h`j YfVfY]hYhY`9]bZØ\fi b[ `X][]hU`Yf K À\fi b[ Yb`j cfUbhfY]VYbž` &bcj Uh]cbYb`j cfUbhfY]VYb`i bX`Y]b ]bhY[fUh]j YfYg`:]bUbnÒ\_cgmghYa `ZØf`U``Y`gW\UZZYb `k YfXY"

## Ghf]\_Y!9fk Y]hYfi b[

Ghf]\_Y'\_ØbX][hY'X]Y'5i gk Y]hi b['gY]bYf'5dd'Ui Z'a Y\f'U`g'\*)
@AbXYf'Ubž'Ui g[Y\YbX'j cb'XYb'XYfnY]h][Yb'I G5'i bX'9`'GU'j UXcfž
i bX'j Yf[fÒ» YfhY'XUa ]h'gY]bYb'[YgUa hYb'UXfYgg]YfVUfYb'A Uf\_h
Ui Z'ZUgh'' 'A ]``]UfXYb'A YbgW\Yb"'8]Y'bYi Yž'i bj c``gh\AbX][Y'@]ghY
j cb'(+'i bhYfghØhnhYb'@\AbXYfb'i a ZUggh'6\i hUbž'6fUg]`]Ybž
9W'UXcfž'; i UhYa U`Už'<cbXi fUgž'?Yb]Už'BYi gYY`UbXž'DUfU[i Um
i bX'I [UbXU'gck]Y'VYfY]hg'Ub[Y\_ØbX][hY'9fkY]hYfi b[Yb'k]Y
5f[Ybh]b]Ybž'B][Yf]Už'?Yb]U'i bX'; \UbU"

5bZUb[ 'XYg'\*J\fYg'[]b[ 'XUg'I bhYfbY\a Yb'Y]bY'DUfhbYfgW\UZh'a ]h XYa : ]bhYW\!F]YgYb': ]gYfj 'Y]bž'i a 'XUg'@][\hb]b[!BYhnk Yf\_'j cb 6]hWc]b'a ]h'XYa 'Dc]bh!cZ!GU'Y!HYfa ]bU`!5bV]YhYf'7`cj Yf'ni ]bhY[f]YfYb"

8]Y`X][]hU`Y`NU\`i b[gd`UhhZcfa `kifXY`]a 'j Yf[Ub[YbYbBcjYa VYf`Ui W\`a]h`XYa '9!7ca a YfWY!F]YgYb`G\cd]Zm`]bhY[f]Yfhžia '<ÀbX`Yfb`X]Y`bU\h`cgY`5bbU\aY'jcb`6]hWc]b!NU\`i b[Yb`]b`l G!8c``Uf`ni 'Yfa Ò[`]W\Yb"

. . .

8 Y H I 1 `c

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