

LFD. A]h b Y i Y b 'D U f h b Y f g W N U Z h Y b '] a U g] U h] g W Y b ':] b U b n a U f _ h 'U i Z '9 f Z c `[g_ i f g

LFD'[Yk]bbh']b'7\]bU'Ub'6YXYi hi b[.'BYi Y'DUfhbYfgWXUZhYb YfÒZZbYb'7\UbWYb']a :]bUbngY_hcf'i bX'_ÒbbhYb'7\]bUg <U'hi b['ni '?fmdhc'j YfÀbXYfb"

8 Yf'L F D!7c]b '\ Uh'b UW\ 'Y]b Yf'`Ub [Yb 'D\ UgY 'ghU[b]YfYb XYf'?i fgY i bX '\c\Yb'J Yf`i ghYb'Xi fW\ 'X]Y' \div Z'Uh]cb'Y]b Y'YfghUi b`]W\ Y K Yb Xi b['[Yb ca a Yb'i bX' [Yk]b bh'k Y]hYf\]b 'Ub'6Y`]YVh\Y]h'VY]]bgh]hi h]cbY``Yb'5b`Y[Yfb"'Hfchn'Y]b Yg'?i fgj Yf`Ui Zgž'XYf'gY]h'&\$%, _Y]bYf'b Ybb Ybgk YfhYb'Ni k ÀW\ gY'Ui Zk Y]ghž'VY`Y[h'L F D']b'Y]b Yf I a ZfU[Y'j cb'9fbgh/ 'Mci b['XYb'j]YfhYb'D`Uhn'i bhYf'XYb'Ua \Ai Z][ghYb'[Y\U`hYbYb'X][]hU`Yb'5ggYhg'VY]' \dightarrow gh]hi h]cbYb"'9hk U'&% \IX]YgYf'I bhYfbY\a Yb'gYhnYb'Ui Z'XYb'L F D!7c]bž'k Ug'Ui Z'Y]bYb gc`]XYb'A Uf_h]bhYfYggY'\]bk Y]gh"

F]dd`Y`[Y\h'bYiY`KY[Y`]b`5g]Yb`ibX YfÒZZbYh'XYb`W\]bYg]gW\Yb`AUf_h

 $8\,]Y\,'0\!/\!\!Db[\,ghY\,b\,'9b\,hk\,\,]W\underline{\ \ }i\,\,b[\,Yb\,']a\,\,'Ug]Uh]gW\!\!,\,Yb\,':\,]b\,Ub\,na\,\,Uf\underline{\ \ }h\,'nY\,][\,Yb\,\check{z}\,\,d)$

 $XUgg`F]dd`Y`XYb`K Y[`]b`Y]bYg`XYf`[fO) hYb`6Ub_YbgmghYa Y`XYf K Y`h`[YZ]bXYb`\Uh"`8Yf`VY_UbbhY`:]bZi YbWYf`\UW_H\YF]ddYf`\Uh VYghAh][hž`XUgg`F]dd`Y`bi b`DUfhbYfgW\UZhYb`a]h`6Ub_Yb`]b`7\]bU i bX`<cb[_cb['Y]b[Y[Ub[Yb`]gh"`\Dgh]hi h]cbYb`k]Y`X]Y`5[f]W'`hi fU` 6Ub_`cZ`7\]bU`i bX`X]Y`6Ub_`cZ`6Y]^Jb[`\UVYb`g]W\`XYa `BYhnk Yf_ Ub[YgW\`cggYbž`k Ug`XYb`Ni [Ub[`ni `Y]bYa `A Uf_h`Yfa O[`]W\`hž`XYf ()`i `XYq`[`cVU`Yb`6Ub_j Yfa O[Ybg`fYdfAgYbh]Yfh"$

A]h'XYb'bYi Yb'DUfhbYfgW\UZhYb'dfc Z]h]YfYb'X]Y'6Ub_Yb'j cb b]YXf][YfYb'; YVØ\fYbž'gW\bY``YfYb'HfUbgU_h]cbYb'i bX'Y]bYf \Ò\YfYb'G]W\Yf\Y]h''8]Yg'ghY``h'b]W\h'bi f'Y]bYb': cfhgW\f]hh'ZØf'LFD XUfž'gcbXYfb'Yfa $\dot{O}[`]W\h'Ui W\Z'XUgg'?i bXYb'Y]bYb'j YfVYggYfhYb GYfj]W''[Yb]Y*Yb'_ObbYbž']bgVYgcbXYfY'VY] [fYbnØVYfgW\fY]hYbXYb'HfUbgU_h]cbYb'nk]gW\Yb'7\]bU'i bX'XYa FYgh'XYf'K Y`h''<cb[_cb[\z'\U`g'Y]bYg'XYf'\ZØ\fYbXYb :]bUbnnYbhfYb\z'\gd]Y`h'\]YfVY]'Y]bY'nYbhfU`Y'Fc``Y\z']bXYa 'Yg'U`g GW\b]hhghY``Y'ni a ']bhYfbUh]cbU`Yb'<UbXY``\Z\b[]Yfh'i bX'F]dd`Y'a]h dchYbn]Y``'%\z'\g'\H']UfXYb'A YbgW\Yb'j YfV]bXYh''$

9]b``Ub[gUa Yg'² ZZbYb'7\]bUg'ZØf ?fmdhck À\fi b[Yb3

8]Y DufhbYfgW UZhYb nk]gW Yb F]dd Y i b X XYb W]b Yg]gW Yb 6Ub_Yb '_ObbhYb 'U`g'Y]b VYXYi hYbXYf'9fZc`['ZØf'L F D'VYhfUW hYh k YfXYbž'VYXYi hYb 'YXc W 'b]W h'nk Ub[g`Ài Z]['Y]bY 'VfY]hY 5_nYdhUbn'j cb '? fmd hck À\fi b[Yb']a '@UbX"'9g'[]Vh'; YfØW hYž'X]Y XUfUi Z'\]bXYi hYbž'XUgg'7\]bU'g]W '`Ub[gUa 'ZØf'? fmd hck À\fi b[Yb OZZbYh"'8]Y'; YbY\a][i b['j cb'? fmd hc!9H: g'ZØf'6]hWc]b'i bX 9h\YfYi a ']b' < cb[_cb[ž'XUg'i bhYf'XYa '9]bZi gg'7\]bUg'ghY\hž k]fX'XUVY]'U`g'dcg]h]j Yg'NY]W Yb'[Yk YfhYh"'6fUbW YbYI dYfhYb k]Y'A]_Y'Bcj c[fUhn'VYf]W hYb'j cb'5bnY]W Ybž'XUgg'XYf

 $WX]bYg]gWXY'A Uf_h'Y]bY'k UWX gYbXY'C ZZYbYY]h'[Y[YbØVYfX][]hU'Yb'5ggYhg'nY][h''8]Yg'k]fX'i bhYf'UbXYfYa 'Ui WX'Xi fWX'X]Y 9bhghYVi b['WX]bYg]gWXYf'A Ya YWC]bg'k]Y'DY]DY]'i bhYfghØhnh''$

8]YgY'JYfÀbXYfi b[Yb'g]bX'b]W\h'bi f'ZØf'XYb'_ca a YbXYb'LFD! ?i fg'j cb'6YXYi hi b[ž'gcbXYfb'Ui W\'ZØf'X]Y'[YgUa hY'6fUbW\Y'i bX XYfYb'k Y]hYfY'9bhk]W_`i b[']a 'W\]bYg]gW\Yb'A Uf_h''

9]b ? Ud]hY`ž'XUg'YVYbZU``g'j cb **bhYfYggY']ghž'nY][h'X]Y'Fc``Y'7\]bUg
]a ; Ua]b[!6YfY]WX"'8Yf'A Uf_h']gh'bUWX k]Y'j cf'Y]bYf'XYf
[fò» hYbž'k Ug'g]WX _`Uf']b 'XYf'6Y`]YVh\Y]h'j cb '5ddg'i bX'XYb'9!
Gdcfh!5b[YVchYb'Ài » Yfhž'X]Y'hfchn'ni bY\a YbXYf'FY[i`]Yfi b[Yb
Y]b 'k UWXgYbXYg'Di V`]_i a 'Ubn]Y\Yb"'A]h'XYf'FØW__Y\f'j cb
bcghU`[]gWXYb'HfYbXg'k]Y'XYb'HUa U[chWX]g'nY][h'g]WXž'XUgg
JYfVfUi WXYf'ni bY\a YbX'bUWX'DfcXi _hYb'gi WXYbž'X]Y'Ya ch]cbU`Y
JYfV]bXi b[Yb'V]YhYb"'8]YgY'8 mbUa]_'_ObbhY'Ui WX'bYi Y
7\UbWYb'ZØf'a cXYfbY'K YV'!Dfc'Y_hY'Ui ZnY][Ybž'X]Y']b'XYb
WX]bYg]gWXYb'A Uf_h'Y]bhfYhYb'a OWXhYb"

I bhYf'XYa 'Ghf]W\ 'Yf[YVYb'g]W\ 'gca]h'gdUbbYbXY'DYfgdY_h]j Yb ZØf'F]dd`Yž'LFD'i bX'ni _ØbZh][Y'9bhk]W_`i b[Yb']a ']bhYfbUh]cbU`Yb ?fmdhc!A Uf_hž'k À\fYbX'XUg' \DhYfYggY'Ub'?fmdhck À\fi b[Yb']b Y]bYa 'XYf'[fÒ» hYb'A Àf_hY'XYf'K Y`h'k Y]hYf'k UW\gYb'XØfZhY"

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