

?fmdhc!FYj c`i h]cb. '6Ub_Yb']a 'K Yhh`Ui Z i a 'X][]hU`Y'Ni _i bZh°

9fZU\fYb'G]Yž'k]Y'hfUX]h]cbY``Y'6Ub_Yb'&\$&) ?fmdhckÀ\fib[Yb']bhY[f]YfYbž'ia'kYhhVYkYfVgZÀ\]['ni V`Y]VYb'ibX'bYiY'?ibXYb'ni'[Yk]bbYb"



?Y]bY'5XfYggY'cXYf'Cfh'j cf\UbXYb"'! +b'XYb''YhnhYb'*J\fYb\Uh'g]W\'j]Y`[YhUb']a'6Ub_Ybk YgYb"'K Ybb'k]f'Ui Z'XYb'GhUbX
j cb'\Yi hYžXYa'&\$\"*\']'&\$\&\) ž'gW\Ui Ybž'k]fX'_`Uf. '8]Y'*\bhY[fUh]cb
j cb'?fmdhck A\fi b[Yb'\Uh'X]Y':]bUbn'UbXgW\UZhbUW\\Uh][
j YfAbXYfh"'HfUX]h]cbY``Y'6Ub_Yb'gi W\Yb'bYi Y'K Y[Yž'i a
a]h\UhYb'ni '_\ObbYbž'i bX'j]Y'Y\\UVYb'a]hhYfk Y]'Y

DUfhbYfgW\UZhYb'a]h'?fmdhc!GhUfhi dg'k]Y'GhUbXUfX'7\UfhYfYX'i bX

>"D"'A cf[Ub'[YgW\`cggYb"'8]YgY'6Yk Y[i b['nYi [h'b]W\h'j cb'Y]bYf
?'Ud]hi `Uh]cbž'gcbXYfb'j cb'Y]bYf'ghfUhY[]gW\Yb
K Y]hYfYbhk]W_`i b[ži a '_cb_i ffYbnZ\\]['ni 'V`Y]VYb"'9]b'[i hYg

<AbXW\Yb'\UVYb'g]Y'XUVY]'VY]'XYf'Bi hni b['j cb'?fmdhck A\fi b[g!
9bhk]W_`i b[Yb'ni f'JYfVYggYfi b[']\fYf'8]Ybgh`Y]ghi b[Yb'i bX

8]Y @UbXgWk UZh XYf X][]hU Yb 6Ub_Yb ii bX :]bhYWk g V `Ø\ hž k Ug Y]bYb igd ØfVUfYb ik YhhVYk YfV ini f : c `[Y \ Uh'' 8 UVY] ig]bX X]Y hfUX]h]cbY ``Yb 6Ub_Yb b]Wk hij ca '6]`XgWk]fa 'j YfgWk k i bXYbž gcbXYfb VYk Y[Yb 'g]Wk ']b F]Wk hi b['_i bXYbcf]Ybh]YfhYfYf ; YgWk À Zhga cXY ``Yž X]Y 'Ui Wk '_`Y]bYb 'GhUfhi dg ini [i hY_ca a Yb'' 8]Y *\dank hY[fUh]cb ij cb 'X][]hU Yb 'J Yfa O[Ybgk YfhYb ']b 'X]Y '5b[YVchY XYf 6Ub_Yb ']gh b]Wk hibi f Y]b 'HfYbXž igcbXYfb 'X]Y 'Ni _i bZh XYg :]bUbnO_cgmghYa gž k]Y 'C bYGUZY 'VYf]Wk hYh'' *\dank j YghcfYb 'Yf_YbbYb ni bY\a YbX 'X]Y '6YXYi hi b['j cb '?fmdhck À\fi b[Yb 'ZØf']\fY X]j Yfg]Z]n]YfhYb 'DcfhZc `]cgž k cVY] 'hfUX]h]cbY ``Y '5b`U[YghfUhY[]Yb q]Wk 'UbdUqqYb 'a ØqqYb''

< YfUi gZcfXYfi b[Yb i bX 7\UbWb XYf =bhY[fUh]cb</pre>

8]Y'8][]hU']g]Yfi b[']gh'XUg'GW\'U[k cfh'i bgYfYf'NY]h'i bX'\Uh'Ui W\
X]Y'5fh'i bX'K Y]gYžk]Y'6Ub_Yb'cdYf]YfYbž'fYj c`i h]cb]Yfh''I a
k YhhVYk YfVgZÀ\]['ni 'V'Y]VYbž'a ØggYb'6Ub_Yb'Ui Z'X]YgY'X][]hU'Y
FYj c`i h]cb'fYU[]YfYb''8]Y'+bhY[fUh]cb'j cb'?fmdhck À\fi b[Yb
VYXYi hYh'gck c\`'<YfUi gZcfXYfi b['U`g'Ui W\'7\UbW\''<c\Y
+DZUh]cb'i bX'k]fhgW\UZh`]W\Y'I bg]W\Yf\Y]h'a UW\Yb'X][]hU'Y
K À\fi b[Yb'ZØf'5b`Y[Yf'UhhfU_h]j Yf''+a a Yf'a Y\f'6Ub_Yb'V]YhYb
a]hh'Yfk Y]'Y'8]Ybgh'Y]ghi b[Yb'Ubž'X]Y'Yg'?i bXYb'Yfa Ò[`]W\Ybž']b
6]hWc]bž'9h\YfYi a 'i bX'7c''ni ']bj Ygh]YfYb'''9ZZ]n]YbhY'D`UhhZcfa Yb
k]Y'7ca X]fYWh'+bZcfa Yf'i bhYfghØhnYb'XUVY]ž'g]W\'ØVYf'X]YgY
bYi Yb'HfYbXg'ni ']bZcfa]YfYbž'k]Y'6Ub_Yba ÀfW\Yb'\Yfj cf\YVh''

8 Y b b c W ']gh'J cfg]W h'[Y V chY b"' \(\delta \) Y gh]Y fY b ']b '? fmd hc k \(\alpha \) fi b[Y b V]f[h'F]g]_Y b \(\delta \) Y hk U'Xi fW 'j c \(\ulder \) Uh] Y 'DfY]ggW k Ub_i b[Y b \(\delta \) X UfghY \(\alpha \) C b Y [Y f'U \(\g \) Ui W \(\delta \) Ø f' 6 Ub_Y b 'Y] b Y '< Y fUi gZcfXY fi b['X UfghY \) Y b _\(\delta \) D b Y b '' Ni XYa 'a \(\text{@ggY b 'fY}[i \) 'Uhcf]gW Y': fU[Y b 'i b X \) G]W \(\delta \) Y fygY Y XY b_Y b 'Y fbgh'[Y b ca a Y b 'k Y f X Y b \(\delta \) i a 'X]Y \(\delta \) Y fa \(\delta \) [Y b 'X Y f'? i b X Y b 'j cf'a \(\delta \) [`]W Y b '< UW_Y f Ub[f]ZZY b 'ni gW \(\text{@hn Y b '' Hfc hn 'X} \) Y gY f' < Y f Ui gZcfXY fi b[Y b 'k i fX Y '_ \) 'Uf \(\delta \) X Ugg'X]Y \(\delta \) hY [fUh]cb 'j cb'? fmd hck \(\delta \) fi b[Y b 'dchY b n]Y \(\delta \) bY i Y \(\delta \) Y bghf \(\delta \) A \(\delta \) fi b[Y b 'dchY b n]Y \(\delta \) bY a 'g]Y 'n"6" \(\delta \) Y \(\delta \) Y

8]Y'Ni_i bZh'XYg'6Ub_]b[g'i bX ?fmdhck À\fi b[Yb

8]Y'K Y'h'XYf'?fmdhck À\fi b[Yb'\Uh'X]Y'5fhii bX'K Y]gYž'k]Y'k]f
6Ub_]b['VYhfUW\hYbži a [Y_fYa dY'h"'=\fY'XYnYbhfU'Y'BUhi f'V]YhYh
Y]bY']bhYfYggUbhY'5`hYfbUh]j Y'ni a 'hfUX]h]cbY`'Yb':]bUbngmghYa ž
XUg'Ui Z'nYbhfU`]g]YfhYb'=\bgh]hi h]cbYb'VYfi \h"'8]Y'6`cW_W\U]b!
HYW\bc`c[]Y'Z|b[]Yfh'\]YfVY]'U`g'XYnYbhfU`Yg'FY[]ghYfž'XUg
HfUbgU_h]cbYb'YZZ]n]Ybh'i bX'hfUbgdUfYbh'UVk]W_Y`h"'8cW\
k\A\fYbX'X]Y'Dcdi `Uf]h\h'i bX'hfUbgdUfYbh'UVk]\W_Y`h"'8cW\
V\A\fYbX'X]Y'Dcdi `Uf]h\h'i bX'XYb'F]g]_Yb\z'X]Y'g]Y'a]h'g]W\
Vf]b[Yb\z']a a Yf'bcW\'b]W\h'Ui Z'XYa 'B]j YUi 'XYf'hfUX]h]cbY``Yb
K\A\fi b[Yb'Ub[Y_ca a Yb\z'k]Y'k]Di V'VYhcbh"

9gʻ]ghʻk]WX h]['ni 'VYhcbYbžXUgg'? fmd hck À\fi b[Yb`X]Y hfUX]h]cbY``Yb`:]bUbn]bhYfa YX]ÀfY 'b]WX h'j c``ghÀbX]['YfgYhnYb k YfXYb"'GhUhhXYggYb 'fY]ZYb 'X]Y :]bUbn]bgh]hi h]cbYb 'i bX Ybhk]W_Y`b 'bYi Y '8]Ybgh`Y]ghi b[YbžX]Y 'Ui Z'X]YgYf 'HYWX bc`c[]Y VUg]YfYb"'BYcVUb_Ybž'X]Y 'c\bY'd\mg]gWXY :]`]U`Yb 'cdYf]YfYbž'i bX bYi Y 'fY[i `Uhcf]gWXY FU\a YbVYX]b[i b[Yb'g]bX'bi f'Y]b][Y'XYf 9bhk]W_`i b[YbžX]Y'X]Y'6Ub_Yb`UbXgWX UZh'dfÀ[Yb"'8 Ug'Z]bUbn]Y``Y 2 _cgmghYa ']gh']b'6Yk Y[i b[ži bX']bbcj Uh]j Y'@Ògi b[Yb'g]bX'XYf GWX`ØggY``ni a '9fZc`['X]YgYf'HfUbgZcfa Uh]cb"

GWX`i ggYbX`]WX``Àggh'g]WX`gU[Ybž'XUgg'X]Y`\DhY[fUh]cb'jcb?fmdhck À\fib[Yb']b'XUg'6Ub_k YgYb'Xi fWXUi g'DchYbn]U``V]f[hž YXcWX`Ui WX`a]h'Y]bYf'J]Y`nU\``jcb'<YfUi gZcfXYfib[YbjYfVibXYb']gh"'6Ub_Yb'a ØggYb'UbdUggib[gZÀ\][`ibX']bbcjUh]jV`Y]VYbž'ia']b'X]YgYf'g]WX`gWXbY```jYfÀbXYfbXYb'KY`h'XYgX][]hU`Yb':]bUbnk YgYbg'kY]hYf\]b'fY`YjUbh'ni 'gY]b"

8 Y hU]`g	
Cfh	?Y]bY'5XfYggY'cXYf'Cfh'j cf\UbXYb"
EiY``Yb	• k k k "cbYgUZY"]c
	k k k "VUb_Yba UYfWXYb"XY
	• k k k "k]di V"bYh