

; `Ui VYbž': Y]Yfbž'; Ya Y]bgUa · 6]VY`! 9j Ybhg]a ·5`hYbVi f[Yf @UbX°

 $9bhXYW_Yb^*G]Y^*XUg^*5^hYbVif[Yf^@UbX^*Ua^*&&"$*"&$&).$ $Gd]f]hiY^*Y^*5b[YVchYž^*ZYgh^*]WXY^*; chhYgX]YbghY^ibX^*YVYbX][Y^*]fWXYbjYfUbghU^hib[Yb"$



5`hYbVi f[Yf'@UbXž'8Yi hgW\`UbX'!:5a \\Yi h][Yb'&&"'* b]'&\$&)

XfY\hig]W\']a '5`hYbVi f[Yf'@UbX'U``Yg'i a 'XUg'nYbhfU`Y'9`Ya Ybh

XYg'; Ya Y]bgW\UZhg`YVYbg.'X]Y'?]fW\Yb"8]Y'`c_U`Y

FY`][]cbg[Ya Y]bgW\UZh\Uh'Ub'X]YgYa 'HU['Y]b'[Ubn'VYgcbXYfYg

9j Ybh'i bhYf'XYa 'A chhc'; chh']a 'Di `g 'cf[Ub]g]Yfhž'XUg'X]Y'HØfYb

ni 'nU\`fY]W\Yb'; chhYgX]YbghYbž'5bXUW\hYb'i bX'JYfUbghU`hi b[Yb

ÒZZbYh"'9g'nY][hž'k Y`W\Yb'GhY``Ybk Yfh'?]fW\Yb'ZØf'X]Y'A YbgW\Yb

\]Yf'VYg]hnYb'i bX'k]Y'g]Y'6Y[Y[bi b[gfÀi a Y'gW\UZZYb"

]b X]YgYb; YVÀi XYb \YffgW\hž \ÀXh A YbgW\Yb 'YXYb '5 \hYfg Y]bž [Ya Y]bgUa 'ni 'VYhYbž ni 'ZY]Yfb i bX; 'Ui VYbgk YfhY ni 'YVYb" 8]Y J YfUbghU hi b[Yb g]bX XUfUi Z'Ui g[Y Y [hž Y]bYb F Ui a 'ZØf 5i ghUi gW\ i bX; Ya Y]bgW\UZh ni 'gW\UZZYbž k Ug 'VYgcbXYfg']b 'XYf \Yi h][Yb NY]h'i cb [fc» Yf 6YXYi hi b[']gh"

J]Y`ZU`h'XYf'?]fWXYb

 $8]Y FY[]cb]ghrfY]WX Ub`\]ghcf]gWXYb?]fWXYbZX]Y b]WXhbif \\ 5 fWX]hY_hi fZfYi bXY VY[Y]ghYfb" 8]Y Dcb]hn: f]YXYbg_]fWXYZ Yff]WXhYhnk]gWXYb^*+' & i bX'*+' (Ž]ghY]b k i bXYfVUfYg^6Y]gd]Y`VUfcW_Yf^6Ui _i bgha]h k Yfhj c``Yb J Yfn]Yfi b[Yb i bX'Y]bYf VYY]bXfi W_YbXYb^G]`VYfa Ubbcf[Y`"5i W. X]Y ; <math>f\emptyset bVYf[Yf]Yf$?]fWXYŽi fgdfØb[`]WX^]a '%&" \$JVYfV i bXYfh'U`g^?`cghYf_]fWXY VY[cbbYbZn]Y\ha]h^]\fYb^\$ i [YbXgh]`a U`YfY]Yb^j]Y`Y^6Ygi WXYf Ub" \$\rightarrow fY'; YgWX]WXhY^fY]WXh'ni fØW_ni XYb^N]ghYfn]YbgYfbZi bX cVk c\``g]Y`nU\`fY]WXYI a VUi hYb^Xi fWX`Ui ZYb^VUhZ'V`Y]Vh^]\f I fgdfi b[Y]b^k]WXh][Yg^AYf_a U`"

9]b'k Y]hYfYg'UfW\]hY_hcb]gW\Yg'<][\`][\h']gh'X]Y'DcghYfghY]bYf 6i f[_]fW\Yž'X]Y'%) +, ']a 'gdÀh[ch]gW\Yb'Gh]`'YfVUi h'k i fXY'''\=\fY fY]W\'j Yfn]YfhYb'VUfc_Yb'9`Ya YbhY'i bX'9]ZYfh!Cf[Y``a UW\Yb'g]Y ni 'Y]bYa 'Y]ba U`][Yb'9f`YVb]g''8]YgY'?]fW\Y'gck]Y'j]Y`Y'UbXYfY g]bX'HY]``Y]bYg'X]W\hYb'BYhnk Yf_g'j cb'; Ya Y]bgW\UZhgnYbhfYbž'X]Y a]h``YVYbX][Yb'; chhYgX]YbghYb'i bX']bgd]f]YfYbXYb'DfYX][hYb Ui Z\ UfhYb''

; Ya Y]bgUa Y : Y]Yf`]WX_Y]hYb i bX J YfUbghU`hi b[Yb

8]Y'U_hi Y``Yb': Y]Yf`]W_Y]hYb'Ua '\Yi h][Yb'HU['k YfXYb'Xi fW\'Y]bia ZUb[fY]W\Yg'Dfc[fUa a 'i bhYfghØhnhž'XUg'gck c\``ZYgh`]W\Y'U`g Ui W\'VYg]bb`]W\Y'9`Ya YbhY'a]hY]bUbXYf'j YfV]bXYh''8]Y
; Ya Y]bXYb'cf[Ub]g]YfYb'a i g]_U`]gW\Y'8UfV]Yhi b[Yb'i bX'`UXYb ni f'U_h]j Yb'HY]`bU\a Y'Ua '_]fW\`]W\Yb'@YVYb'Y]b'''Gc'k]fX
XYi h`]W\Z'XUgg'X]Y'gd]f]hi Y``Y'J]Y`ZU`h'XYf'FY[]cb'b]W\h'bi f'U`g
; `Ui VYbqd`Uhn'X]Ybhz'qcbXYfb'Ui W\'Y]bY'D`UhhZcfa 'ZØf'_i `hi fY``Y

9]b '6Ygi W\ ']b 'XYb '?]fW\ Yb ']gh'a Y\ f'U `g'bi f'Y]bY 'fY]bY 'fY]bY ; chhYgX]YbghhY]`bU\a Y/Yg'V]YhYh'X]Y 'A $O[`]WX_Y]h\check{z}'g]W$ 'a]h'XYf ; YgW\]W\ hY b 'XYf'FY[]cb Ui gY]bUbXYfni gYhnYb "'C V 'Yg'X]Y 'VYY]bXfi W_YbXYb 'K AbXY'XYf' GW\ a $O``bYf'GhUXh_]fWXY'GUb_h'B]_c`U]'g]bX'cXYf'X]Y W\ Ufa UbhY'8cfZ_]fWXY'j cb '5`h_]fWXYb\check{z}'X]Y'; fc \ Ufh][Yg'ni Yfn\{A\`Yb'\Uh' \'YXY'?]fWXY'Vf]b[h']\ fY'Y][YbY' \Rightarrow XYbh]h\{Ah'i bX']\ fYb Y][YbYb'7\UfU_hYf'a]h'' <]Yf'_Ubb'YXYf'Yhk Ug'Z]bXYb'i bX'X]Y ; Ya Y]bgW\ UZh'XYg'; `Ui VYbg'Yf`YVYb''$

8]Y J YfUbghU`hi b[Yb`g]bX`ZØf`U``Y`5`hYfg[fi ddYb`_cbn]d]Yfhii bX \UVYb`XUg`N]Y`žY]b`ghUf_Yg`; Ya Y]bgW\UZhg[YZØ\``ni `gW\UZZYb i bX`X]Y`K YfhYžX]Y`X]Y`A YbgW\Yb`ni gUa a YbVf]b[Ybž'ni `ghÀf_Yb" 8 Ug`5`hYbVi f[Yf`@UbX`nY][h`g]W\`Ub`X]YgYa `HU['j cb`gY]bYf VYghYb`GY]hY` `X]Y`@]YVY`ni a '; `Ui VYb`i bX`X]Y`: fYi XY`Ub`XYf ; Ya Y]bgW\UZh`ghY\Yb`]b`j c``Yf`6`ØhY"`GY`Vgh`]b`i bgYfYb a cXYfbYb`NY]hYb`V`Y]Vh`X]Y`?]fW\Y`Y]b`CfhžUb`XYa '; `Ui VYž'Hfcgh i bX`Ni gUa a Yb\U`h`[YVchYb`k YfXYb"

8 YhU]`g	
Cfh	5`hYbVif[Yf`@UbXž'8YihgWX`UbX
EiY``Yb	k k k "k c W Y b g d] Y [Y `! U V ["X Y
	• k k k "UV[!bYh"XY
	XY"k]_]dYX]U"cf[

6 Ygi W Yb G]Y i bg Ui Z b!U["bYh