

8fYgXbYf'K UggYfgdf]b[Yf]bbYb'[`ÀbnYb VY]'9A.'NkY]'G]`VYfaYXU]``Yb°

8 Yi hgWX Y'K UggYfgdf]b[Yf'[Yk]bbYb'VY]'XYf'9A']b'6Y`Y_nk Y]'G]`VYfa YXU]``Ybž'XUfi bhYf'¾hhY'A Ø``Yf'i bX'@YbU < YbhqWX Y``]a 'GmbWX fcbk YhhVYk YfV"



 $6Y`Y_\check{z}`H\emptysetf_Y]`!`8]Y`YifcdA]gWXYb`K UggYfgdf]b[aY]ghYfgWXUZhYb]b`6Y`Y_\check{z}`H\emptysetf_Y]\check{z}`V]YhYb`]b`X]YgYa`$J\f`gdUbbYbXY`K Yhh_AadZYibX'[`AbnYbXY`@Y]ghib[Yb`XYf`XYihgWXYb`5h\`YhYb":5a`&)"`AU] &$&)`_cbbhYb`X]Y`XYihgWXYb`K UggYfgdf]b[Yf`]bg[YgUah`nkY] G]`VYfaYXU]``Yb`[Yk]bbYbž'k UgʻX]Y`<UfhbAW_][_Y]hiibX`XUg?`ObbYb`XYf`HY]`bY\aYfiibhYf`6YkY]gʻghY``h"`<math>\bullet$ `XYb`KYhh_AadZYbhfUh`Y]bY`J]Y`nU\``Ub`hU`Ybh]YfhYb`Gdf]b[Yfb`Ubž'b]WXh`U``YBUh]cbYb`k UfYb`YXcWX`a]h`]\fYb`ghAf_ghYb`5h\`YhYb'j YfhfYhYb" 8]Yg`VYY]bZiigghX]Y`8mbUa]_`ibX`XYb`KYhhVYkYfV`]bbYf\U`V`XYfHifb]YfY"

 \Rightarrow hhY'A Ø``Yfž'Y]bY'hU`Ybh]YfhY'K UggYfgdf]b[Yf]bž'[Yk Ubb[Ya Y]bgUa 'a]h']\fYf'DUfhbYf]b'@YbU'<YbhgW\Y`'G]`VYf']a

GmbWkfcbgdf]b[Yb'jca '8fY]a YhYf!6fYhh" G]Y 'VYYbXYhYb 'XYb K YhhVYk YfV 'Ui Z'XYa 'nk Y]hYb 'D`Uhn'\]bhYf'Y]bYa 'i _fU]b]gWkYb 8i c" '8]Yg 'ghY``h'Y]bY 'VYgcbXYfY '5i gnY]Wkbi b['ZØf'A Ø``Yf'XUfž'XU Yg']\fY 'YfghY'A YXU]``Y'VY]'Y]bYa ']bhYfbUh]cbU`Yb'; fc» YfY][b]g']gh" A Ø``Yfž'X]Y'j cf'_bUdd Y]bYa '\$U\f'j cb'FcghcW_'bUWk'8fYgXYb [Yk YWkgY`h']ghž'YfZfYi h'g]Wk'Ub'X]YgYa 'VYXYi hYbXYb'9fZc`["

K Y]hYfY '9fZc`[Y 'XYf 'XYi hgWX Yb K UggYfgdf]b[Yf

@YbU'<YbhgWXY`k]fX'YVYbZU``g'bUWX']\fYa 'Ghi X]i a ']b'XYb'I G5 ni a '8 fYgXbYf'GhØhndi b_h'k YWXgY`bž'Y]bY'9bhgWXY]Xi b[\check{z} 'X]Y'X]Y ni _ØbZh][Y'Ni gUa a YbUfVY]h'XYf'VY]XYb'5h\`Yh]bbYb'ghÀf_Yb _ÔbbhY"'BYVYb'XYa '9fZc`[']a 'GmbWXfcbgdf]b[Yb'gWXb]hh < YbhgWXY``Ui WX']a 'A]I YX!GmbWXfcb'a]h']\fYa 'JYfY]bg_c``Y[Yb @i]g'5j]`U'GUbWXYn'\Yfj cffU[YbX'UV"'; Ya Y]bgUa '[Yk UbbYb'g]Y; c`X'j cf']\fYb']hU`]Yb]gWXYb'?cb_i ffYbhYb'a]h'bi f'\$ \check{z} \$' 'Di b_hYb J cfgdfi b["-a 'HYUa!9j Ybh'_cbbhYb'<YbhgWXY``i bX'A Ø``Yf'ni XYa YfbYi h'G]`VYf'[Yk]bbYbž'k cXi fWX'XYf'XYi hgWXY'K UggYfgdf]b[Yf! BUWX k i WXg'XYi h`]WXY': cfhgWXf]hhY'nY][h"

9]b`\YfUi gfU[YbXYg`9f[YVb]g`Yfn]Y`Y`Ui W\`H]a c`6Ufh\Y`ž`XYf`ZØf XYb`GJ`<U``Y`gdf]b[h`i bX`]b`8fYgXYb`hfU]b]Yfh"`9f`[Yk Ubb ni gUa a Yb`a]h`A cf]hn`K YgYa Ubb`XYb`9A!H]hY``]a GmbW\fcbgdf]b[Yb`j ca '8fY]a YhYf!6fYhh"'6Ufh\Y``\UhhY`_Øfn`]W\Y]bY`<UbX[Y`Yb_gj Yf`Yhni b[`Yf`]hhYbž`X]Y`]\b`nk Ub[ž`X]Y`8]gn]d`]b ni `k YW\gY`bž`k Ug`gY]bYb`Hf]i a d\`i a gc`VYY]bXfi W_YbXYf`a UW\hž XU`Yf`Yfgh_i fn`j cf`XYf`9A`k]YXYf`Z|h`k i fXY"

9i fcdUa Y]ghYfgWX UZhYb]a K UggYfgdf]b[Yb

8]Y'9i fcdUa Y]ghYfgW\UZhYb']a 'K UggYfgdf]b[Yb'k YfXYb'j cb'XYf@][iY'9i fcdÅYbbY'XY'BUhUh]cb'f@9BŁ'Ui g[YhfU[Yb'i bX'g]bX'Y]b VYXYi hYbXYg'9fY][b]g']a ']bhYfbUh]cbU`Yb'GW\k]a a gdcfh''GY]h XYb'YfghYb'K Yhh_Àa dZYb']a '\$U\f'%- &* ž'X]Y']a 'FU\a Yb'XYf YfghYb'GW\k]a a Yi fcdUa Y]ghYfgW\UZhYb'ghUhhZUbXYbž'\UVYb'g]W\X]Y'K YhhVYk YfVY'ghYh]['k Y]hYfYbhk]W_Y`h''I fqdfØb[`]W\k UfYb

bi f`nk Y]'8]gn]d`]bYb'ZØf'A ÀbbYf'j cf[YgY\Yb.'XUg'' !a !6fYhh'i bX XYf'%\$!a !Hi fa ž'Yhk U'UV'%- &+'k i fXYb'X]Y'K YhhVYk YfVY'Ui W\'ZØf : fUi Yb'ni [Àb[`]W\"

=a '@Ui ZY 'XYf' ≯J\fY'k i fXYb'k Y]hYfY'K Yhh_Àa dZY i bX'? UhY[cf]Yb\]bni [YZØ[h"'Gc'[]Vh'Yg'gY]h'%--+'Ui W\ 'GmbW\fcbk YhhVYk YfVYjca'' !a !6fYhh'i bX'XYa''%\$!a!Hi fa 'gck]Y'gY]h'&\$%\$'Y]bYb[Ya]gW\hYb'HYUak YhhVYk YfV"'8]Y'Ghfi_hi fYb'XYf9i fcdUaY]ghYfgW\UZhYb'i bhYf`]Y[Yb'Y]bYa 'ZYghYb'F\mh\aigž'XYf]b'i b[YfUXYb'≯J\fYb'Y][YbghÀbX]['i bX']b'[YfUXYb'≯J\fYb']aFU\aYb'XYf'GW\k]a a Yi fcdUaY]ghYfgW\UZhYb'ghUhhZ]bXYh''

8]Y Yfn]Y`hYb A YXU]``Yb i bX 9fZc`[Y XYf XYi hgWX Yb
K UggYfgdf]b[Yf]b 6Y`Y_g]bX Y]b [i hYf \dot X]_Uhcf ZØf X]Y dcg]h]j Y
9bhk]W_`i b[XYg Gdcfhg]b 8 Yi hgWX \UbX " 8]Y J YfUbghU`hi b[V]YhYh
XYb 5h\ YhYb Y]bY D`UhhZcfa ži a]\fY HU`YbhY Ui Z]bhYfbUh]cbU`Yf
6Ø\bY dfÀgYbh]YfYb ni _ObbYb i bX g]WX a]h XYf Yi fcdÀ]gWX Yb
Gd]hnY ni a YggYb"

: Øf'k Y]hYfY' \pm bZcfa Uh]cbYb'i bX'8YhU]`g'ni 'XYb'K YhhVYk YfVYb']b 6Y`Y_'g]Y\Y'Ui W\'GÀW\g]gW\Yž'GdcfhgW\Ui 'i bX'K]_]dYX]U"

8 Y hU]`g	
J c f ZU``	Gcbgh][Yg
Cfh	6Y`Y_ž'HØf_Y]
EiY``Yb	• k k k "gUYW g]gW Y"XY
	• kkk"gdcfhgWXUi"XY
	XY"k]_]dYX]U"cf[

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