

9f`YVYb`G]Y`X]Y`; 9K C!7\U``Yb[Y`]b`<YfgVfi W_.`J ca `&+" \$\darkapparaller{\



<YfgVfi W_ž'8 Yi hgWX `Ub X '! = > < YfgVfi W_'k]fX `XYf'cVYfY'A Uf_h
j ca '&+"'* b]'V]g'% "'* à `]'&\$&) 'ni f'Vi bhYb'GdcfhUfYbUž'XYbb'X]Y
; Yk c!7\U``Yb[Y'XYf'@YVYbg\]`ZY'BØfbVYf[Yf'@UbX'ghY\h'j cf'XYf
HØf"'I bhYf'XYa 'A chhc' [Ya Y]bgUa 'ghUf_'ZØf'; Ygi bX\Y]hž'Gdcfh
i bX' = b_`i g]cb '`UXYb'X]Y'JYfUbghU`hYf'U``Y'; Ya Y]bXYbž'GWXi `Ybž
= bgh]hi h]cbYb'i bX':]fa Yb'XUni 'Y]bž'U_h]j 'hY]`ni bY\a Yb"'8]Y
<YfUi gZcfXYfi b['i a ZUggh'%+ 'HU[Y'j c``Yf'6Yk Y[i b['i bX'
[Ygi bXYf'9fbÀ\fi b['i bX'k]``A YbgWXYb'a]h'i bX'c\bY
6Y\]bXYfi b['ni gUa a YbVf]b[Yb"</pre>

8]Y 5i ZhU_hj YfUbghU`hi b['Z]bXYh`Ua ': fY]hU[ž'XYa '&+"' \not b]ž'j cb'%\$

V]g'%&'I\f'ghUhh''K À\fYbX'X]YgYf'NY]h'jYfkUbXY`h'g]W\'XYf
AUf_hd`Uhn']b'Y]bY';YgibX\Y]hg!'ibX':]hbYgg!CUgY''<]Yf'_ObbYbg]W\'X]Y'HY]`bY\aYf'UiZ'Y]bY'J]Y`nU\`'jcb'5_h]j]hÀhYb'ZfYiYb''<cW\']a'?ifg'ghY\Yb'VY]gd]Y`gkY]gY'XUg'&Xccf'7mW]b['a]h
7UfaYb'@'VYf'jca':]hbYgg!GhiX]c'@'VYf'gck]Y'X]Y'CihXccf!
:]hbYgg!GhUh]cbYbž'X]Y'jcb'HcV]Ug'HUhhYfaigW\'ibX'G]bU'FÒXY`jcb'HH!:]hbYgg'VYhfYih'kYfXYb''5iW\'X]Y'6Ug_YhVU``!7\U``Yb[Ya]h'XYa'Y\YaU`][Yb'BUh]cbU`gd]Y`Yf'6Ugh]Ub'8cfYh\'jcb'XYb

8Ug Dfc[fUa a 'XYf'; Yk c!7\U``Yb[Y

 $8]Y ; Yk c!7 \ U``Yb[Y'V]YhYh`nU `fY]WXY'A O[`]WX_Y]hYb z'g]WX gd cfh`]WX'ni `VYhAh][Yb":8]Y'5_h]j]hAhYb ii a ZUggYb b]WX h'bi f <math display="block">FUXZU \ fYb ii bX'@Ui ZYb z'gcb XYfb 'Ui WX':]hbYgg!K cf_ci hg'i bX'Y]bYUi ZfY[YbXY'?cWX fYnYdhVOfgYz'X]Y'X]YgYg'\left\YgcbXYfg']a : c_i g'ghY\h"'N]Y'Y'g]bX'i bhYf'UbXYfYa 'X]Y': OfXYfi b['[Ygi bXYf9fbA\fi b['i bX'X]Y'GWXUZZi b['Y]bYg'FYnYdhUfWX]j gz']b'XYa 'X]Y HY]`bY\a Yf']\fY'[Ygi bXYb'@]YV`]b[gfYnYdhY'Y]bfY]WXYb'_ObbYb'' 8]YgY'\left\]h]Uh]j Y'ZOfXYfh'b]WXh'bi f'X]Y'HY]`bU\a Y'Ub'Gdcfhz' gcbXYfb'ghAf_h'Ui WX'XUg'; Ya Y]bgWXUZhg[YZØ\`i bX'X]Y'gcn]U`Y \left\]hYfU_h]cb'i bhYfXYb'HY]`bY\a Yfb''$

- 5_h]j]hÀhYb. '@Ui ZYbž': U\fYbž':]hbYggž'?cW\Yb
- ; Ygi bXY'9fbÀ\fi b['i bX'?cW\fYnYdhY'ghY\Yb']aA]hhY`di b_h

a 'FU\a Yb'XYf'7\U``Yb[Y'_ÒbbYb'X]Y'HY]`bY\a Yf']\fY'@Ui Ziž
FUX!'i bX':]hbYgg_]`ca YhYf'gUa a Y`b'gck]Y']\fY'U_h]j Yb'Ghi bXYb
fY[]ghf]YfYb"'8Yf'U_hi Y``Y'GhUbX'XYf'5_h]j]hÀhYb'k]fX'hÀ[`]WX
U_hi U`]g]Yfh'i bX'`Àggh'g]WX'Ui Z'XYf'K YVgY]hY'[Yk c!WXU``Yb[Y"XY

8Yf: c_i g'Ui Z'=b_`i g]cb

 $8] Y ; Yk c! 7 \ U^Yb [Y']gh'b] W h'bi f'Y]b Y'Gdcfhj YfUbghU`hi b[' 'g] Y] gh'Y]b'HY]^Y] b YfYb'; Ygi b X \ Y]hg!'i b X'Gcn]U`! <math>=$ b_`i g]cbg!

#D]h]Uh]j Y'XYf'@YVYbg\]`ZY'BØfbVYf[Yf'@UbX'Y"'J"'5`g'k]Wkh][Yf
5_hYi f']a '6YfY]Wk'XYg'6Y\]bXYfhYbgdcfhg'nY][h'X]Y'@YVYbg\]`ZYZ
k]Y'k]Wkh]['Yg']ghž'XYb']b_`i g]j Yb'; YXUb_Yb']b'XYf'; YgY``gWkUZh
ni 'j YfUb_Yfb"'@Ui h'XYa '8 Yi hgWk Yb
6Y\]bXYfhYbgdcfhj YfVUbX']gh'XYf'Ni [Ub['ni 'gdcfh']WkYb
5_h]j]hÀhYb'Y]b'GWk`ØggY`ni f': ÒfXYfi b['XYf'HY]`\UVY'j cb
A YbgWkYb'a]h'6Y\]bXYfi b[Yb']a '5``hU["

8]Y'7\U``Yb[Y']gh'Y]bY'\Yfj cffU[YbXY'; Y`Y[Yb\Y]hž'Jcfi fhY]`Y UVni VUi Yb'i bX'XUg'6Yk i gghgY]b'ZØf'X]Y': À\][_Y]hYb'j cb A YbgWXYb'a]h'6Y\]bXYfi b[Yb'ni 'gWXÀfZYb"'8Ybb'Gdcfh'Vf]b[h A YbgWXYb'ni gUa a Yb' 'Y[U`ž'cV'a]h'cXYf'c\bY'<UbX]WUd" I bhYfghØhnh'k]fX'X]Y'JYfUbghU`hi b['Xi fWX'Y]b'Yb[U[]YfhYg'HYUa i bhYf'XYf'@Y]hi b['j cb'8Ybb]g'?i a a Ufb]hn_m'i bX'5bUf[]fcg Hgcdci f]X]gž'X]Y'U``Yg'XUfUb'gYhnYbž'Y]b'ghUf_Yg ; Ya Y]bgWXUZhg[YZØ\``ni 'ZÒfXYfb"

± XYb j Yf[Ub[YbYb '* J\fYb \ Uh X]Y ; Yk c!7\U``Yb[Y VYfY]hg j]Y` VYk Y[h" J]Y`Y 'HY]`bY\a Yf 'g]bX '[Y_ca a Ybži a 'U_h]j 'ni 'k YfXYb i bX 'g]W\ ZØf'; Ygi bX\Y]h'i bX '± _`i g]cb 'Y]bni gYhnYb" '6Ygi W\Yf i bX 'HY]`bY\a Yf 'XØfZYb 'g]W\ 'Ui Z'Y]bY '`YVYbX][Yž UVk YW\g`i b[gfY]W\Y 'NY]h'ZfYi Yb 'i bX 'g]bX '\Yfn`]W\ 'Y]b[Y`UXYbž g]W\ 'U_h]j 'Y]bni Vf]b[Yb"

 $\begin{array}{l} \texttt{K} \ Y] h Y f Y \Rightarrow Z c f a \ U h] c \, b \, Y \, b \, i \ b \, X \, X] Y \, A \, \dot{O}[\ `] W \, \underline{\hspace{1cm}} Y] h \, \dot{} n \, i \ f \, \dot{\hspace{1cm}} 5 \, b \, a \ Y \, \dot{\hspace{1cm}} X \, i \ b \, [\, Z] b \, X \, Y \, b \, \dot{\hspace{1cm}} \Rightarrow h \, Y \, f \, Y \, g g] Y \, f \, h \, Y \, f \, \dot{\hspace{1cm}} [\ Y \, k \, c \, ! \, W \, U \, \dot{\hspace{1cm}} Y \, b \, [\ Y \, " \, X \, Y \, " \,] \\ \end{array}$

8 Y hU]`g	
Cfh	< YfgVfi W_ž'8 Yi hgW\`UbX
EiY``Yb	• k k k "bb"XY
	[Yk c!W\U``Yb[Y"XY
	k k k "`YVYbg\]`ZY"XY

6Ygi WXYb G]Y i bg Ui Z. bU[!VUmYfb"XY