

K]Yb 'Yf`Y]XYh'<]hnY!GW\cW_. 6`i a Yb`UXYb 'gW\`]Y» h'k Y[Yb 'Yl hfYa Yf HYa dYfUhi fYb °



GWk k YXYbd`Uhnž'%\$%\$'K]Ybž'² ghYffY]Wk '!'K]Yb'gdØfh'X]Y
5i gk]f_i b[Yb'XYf'Gca a Yf\]hnY. \(\delta\) XYb'`YhnhYb'HU[Yb'g]bX'X]Y
HYa dYfUhi fYb'Ui Z'V]g'ni '') '; fUX'[Ygh]Y[Ybž'k Ug'Y]b][Y'`c_U`Y
; YgWkÀZhY'XUni 'VYk Y[h'\Uhž']\fY'DZcfhYb'j cfØVYf[Y\YbX'ni
gWk`]Y\(\geneval)Yb''9]b'VYa Yf_Ybgk YfhYf': U```]gh'XYf'6`i a Yb`UXYb
6`i a Yb'/ 'C Vgh 'Ua 'GWk YXYbd`Uhn']a '%"'6Yn]f_"'8]Y'\(\delta\)\UVYf
\UVYb'g]Wk'XUni 'YbhgWk]YXYbž'XYb'@UXYb'Ui Z[fi bX'gWk]Yf][Yf
@U[YfVYX]b[i b[Yb'ZØf'@YVYbga]hhY`i bX'DZ'UbnYb'ni 'gWk`]Y\(\geneval)Y\(\genev

8]YgY'GWX`]Y»ib[']gh'Y]b'<]bk Y]g'UiZ'X]Y'U`Ufa]YfYbXYb

K YhhYfVYX]b[ib[Ybž'X]Y'b]WXh'bif'XUg'hÀ[`]WXY'@YVYb']b'K]Ybž
gcbXYfb'UiWX'X]Y'[YgUahY'@UbXk]fhgWXUZh'ibX'\DZfUghfi_hif']b

2 ghYffY]WX'VYY]bZiggYb'''KÀ\fYbX'Y]b'<cWXXfiW_[YV]Yh'U_hiY``
bcWX'ZØf'ghfU\`YbXYb'GcbbYbgWXY]b'gcf[hz'kUfbh'XYf
A YhYcfc`c[]gWXY'8]Ybghz'XUgg'UV'8cbbYfghU['Y]b'H]YZ'bUaYbg
6Ugh]Ub''ØVYf'BcfXYifcdU'n]Y\Yb'k]fXz'XUg'aÒ[`]WXYfkY]gY
YfghY'; Yk]hhYf'a]h'g]WX'Vf]b[h''

<]hnY 'U`g'U``hÀ[`]WX Yg'DfcV`Ya</pre>

8]Y'G]hi Uh]cb']b'K]Yb']gh'_Y]b'9]bnY`ZU``ž'gcbXYfb'HY]``Y]bYg
[fÒ»YfYb'HfYbXg"'@Ui h'XYa 'Nk Y]hYb'2 ghYffY]WX]gWXYb
GUWXghUbXgVYf]WXh'ni a '?`]a Uk UbXY`']gh'X]Y'HYa dYfUhi f']b
2 ghYffY]WX'gY]h'%-\$\$'i a 'fi bX'' Z%'; fUX'[Ygh]Y[YbZ'a Y\f'U`g
XcddY`h'gc'ghUf_'k]Y'XYf'[`cVU`Y'8i fWXgWXb]hh"'8]Yg'\Uh'ni f
: c`[YZ'XUgg'9I hfYa Y'k]Y'<]hnYZ'8ØffYZ'GhUf_fY[Yb'i bX'Ai fYb
ni bY\a YbZ'k Ug'gck c\`'[Ygi bX\Y]h']WXY'U`g'Ui WX
]bZfUghfi _hi fY``Y'<YfUi gZcfXYfi b[Yb'a]h'g]WX'Vf]b[h"'8Yf'6Yf]WXhZ
Ub'XYa 'ØVYf'&\$\$': cfgWXYf]bbYb'i bX': cfgWXYf'VYhY]`][h'k UfYbZ
`]YZYfhY]bY'i a ZUggYbXY'5bU`mgY'X]YgYf'9bhk]W_`i b[Yb'i bX'nY][h
<UbX`i b[gcdh]cbYb'ZØf'Y]bY'_`]a UbYi hfU`Y'Ni _i bZh'Ui Zz'k]Y'Ui Z'
Va `i _"[j "Uh'XUf[Y`Y[h"

Bchk YbX][Yg'<UbXY`b

8]Y`Ni bU\a Y`j cb`9I hfYa k YhhYfYfY][b]ggYb`YfZcfXYfh`gW\bY``Yg < UbXY`b"`A]b]ghYf`BcfVYfh`HchgW\b][`VYhcbh`X]Y`8f]b[`]W_Y]h`i bX X]Y`Bchk YbX][_Y]hž`YZZY_h]j Y`A U» bU\a Yb`ni f`A]bXYfi b[`XYf HfY]V\Ui g[UgYa]gg]cbYb`ni `Yf[fY]ZYb"`² ghYffY]W\g`Dfc!?cdZ! 9a]gg]cbYb`nÀ\`Yb`]bhYfbUh]cbU``ni `XYb`\ÒW\ghYbž`i bX`Y]bY FYXi _h]cbg`ØW_Y`j cb`V]g`ni `%\$`A Y[UhcbbYb`7C !Ÿei]j U`YbhY`V]g &\$' \$`a i gg`[YgW\`cggYb`k YfXYbž`i a `X]Y`N]Y`Y`XYf`9I `ni YffY]W\Yb"8]Y`@Y]ghi b[gZÀ\][_Y]h`XYf`?`]a UgW\i hna U» bU\a Yb\Uh`Y]bYb`X]fY_hYb`9]bZi gg`Ui Z`X]Y`@YVYbgei U`]hÀh`]b`XYf`Ni _i bZh"

8]Y '9f_Ybbhb]ggY 'Ui g'XYa '?`]a UVYf]W\h'a UW\Yb'XYi h`]W\žXUgg j cfgcf[YbXYf'?`]a UgW\i hn'i bX'5bdUggi b[ga U» bU\a Yb'b]W\h bi f'_cghYb[Øbgh][Yf'g]bX'U`g'gdÀhYfY'GW\UXYbgVYk À`h][i b[ž gcbXYfb'Ui W\'YbhgW\Y]XYbXži a 'X]Y'bY[Uh]j Yb': c`[Yb'XYg?`]a Uk UbXY`g'ZØf'X]Y'; Ygi bX\Y]hž'@UbXk]fhgW\UZhii bX'XYb Hci f]ga i g'ni 'a]b]a]YfYb"'8]Y'NY]h'XfÀb[hž'i bX'X]Y'bÀW\ghYb GW\f]hhY'g]bX'YbhgW\Y]XYbXž'i a 'X]Y'@YVYbgei U`]hÀh'ZØf'ni _ØbZh][Y;YbYfUh]cbYb'ni 'g]W\Yfb"

±b·A ca YbhYb·k]Y·X]YgYbž·]b·XYbYb·XYf·5``hU['Xi fW\'X]Y '<]hnY i bX XYfYb: c`[Yb·[YdfÀ[h·]ghž·k]fX i bg·X]Y·8f]b[`]W_Y]h·j cb ?`]a UgW\i hn·i bX i a k Y`hVYk i gghYa '< UbXY`b·VYgcbXYfg VYk i ggh"·6`Y]VYb·k]f·U`gc·UW\hgUa i bX·U_h]j °

8 YhU]`g	
Cfh	GWXkYXYbd`Uhnž'%\$%\$'K]Ybž'²ghYffY]WX
EiY``Yb	• k k k "\ Yi hY "Uh
	• k k k "Va `i _"[j "Uh
	• k k k "a]gg"Uh

6 Ygi W Yb G | Y i bg Ui Z a Y | b ! k | Yb "b Yh