

Ghfca _UhUghfcd\Y`]b`7UbbYg. 6fUbXgh]Zhi b['U`g'j Yfa i hYhY'l fgUWXY°

Ghfca Ui gZU```]b`7UbbYg.`a Ò[`]WXY`6fUbXgh]Zhi b[i bhYfgi WXh"`%*\$\$\$`<Ui g\U`hY`VYhfcZZYbž': Ygh]j U``V`Y]Vhhfchn`<YfUi gZcfXYfi b[Yb`U_h]j "

7 UbbYgž: fUb_fY]WX ! 5a &("A U] &\$&) Yf`YVhY X]Y FÅ[]cb 5`dYg!AUf]h]aYg`]a 'GØXYb': fUb_fY]WXgžY]bgWX`]Y»`]WX'XYf'GhUXh 7 UbbYgžY]bYb 'Yf\YV`]W\Yb 'Ghfca Ui gZU``ž'XYf'Yhk U'%* \$"\$\$\$ <Ui g\U`hY`c\bY`Ghfca ``]Y» "`8Yf'5i gZU```VY[Ubb`_i fn`bUW\`%\$`I \f</pre> CfhqnY]h'f\$, .\$\$; A HŁ'i bX'ZØ\fhY'ni 'Y]bYa 'a Ugg]j Yb'9]bZi gg'Ui Z $X | Y \sim C_U Y + Zf Ughfi_hi f'' | bhY f Ub X Y f Y a Z b_h | c b | Y f hY b X | Y$ 5a dY`b'b]W\hž'k Ug'XUni 'ZØ\fhYž'XUgg'JYf_Y\fgdc`]n]ghYb $fY[i]YfYbX'Y]b[fY]ZYb'a i gghYbžia 'XYb'JYf_Y\fini 'Yb_Yb"$; YgWXÀZhY'_cbbhYb'bif'6Uf[Y`X'UbbY\a Ybž'k Ug'j]Y`Y'jcb']\bYb]b 'Y]b Y 'gWX k]Y f][Y '@U[Y 'V fUWX hY ž 'X U 'X]Y 'F Y ghUi fUb hg ']b 'X Y f 'GhUX h a Y]gh``YYf'V`]YVYb"'8Yf'Ghfca j Yfgcf[Yf'FH9': fUbWY'UfVY]hYh XUfUbžX]Y bcfa U`Y 9bYf[]Yj Yfgcf[i b[k]YXYf\Yfni ghY``Yb i bX k]fX XYfnY]h'i bhYfqi W\hžbUW\XYa 'Y]b '6fUbX ']b 'Y]bYf ZYgh[YghY``h'kifXY"

8]Y ZfUbnÒg]gWX Y Dc`]nY]'\ Uh'V]g\ Yf'bcWX '_Y]bY : YghbU\a Yb j cf[Ybca a Ybž'b]a a h'YXcWX 'X]Y '9fa]hhìi b[Yb']b'6Yni ['Ui Z'X]Y a Ò[`]WX Y '6fUbXgh]Zhi b['Yfbgh" '5b'X]YgYf'GhY``Y'k]fX'XYi h`]WX ž XUgg'X]Y '6Y\ÒfXY'U_h]j 'Ub'XYf'5i Z_`Àfi b['XYg'J cfZU``g]bhYfYgg]Yfh']ghž'XYf'j cf'XYa '<]bhYf[fi bX'XYg'\cWX_UfÀh][Yb 7 UbbYg':]`a ': Ygh]j U`g'ghUhhZUbX"

7UbbYg:]`a : Ygh]j U`i bhYf'8fi W_

8 Ugʻ7 UbbYgʻ:]`a i: Ygh]j UʻžʻXUgʻUa igYʻVYbʻHU[igY]bY
5 VgWX`i ggnYfYa cb]YidʻUbhžik Ufʻj cbʻXYbʻ9fY][b]ggYbʻb]WXhʻX]fY_h
VYhfcZZYb'': Ygh]j Uʻcf[Ub]gUhcfYbʻ\UhhYbʻXYbʻDUʻU]gʻXYgʻ: Ygh]j Uʻg
YfZc`[fY]WX`Ui ZʻY]bY`UʻhYfbUh]j YʻGhfca j Yfgcf[ib[iia [YgWXUʻhYhž
gcXUggʻX]Y`JYfUbghUʻhib[YbʻibX`]bgVYgcbXYfY`X]Y
DfY]gj YfʻY]\ib[XYf; c`XYbYbʻDUʻa YʻdʻUba À»][ighUhhZ]bXYb
_cbbhYb''8]Yʻ¾ fmžibhYfʻXYa Jcfg]hnʻXYfʻZfUbnÒg]gWXYb
GWXUigd]Y`Yf]bʻ¾`]YhhYʻ6]bcWXYž`\UhhYʻX]Yʻ5iZ[UVYžʻUigʻ&&
Y]b[YfY]WXhYbʻ:]`a YbʻX]Yʻ; Yk]bbYfʻUigni`cgYb''

$Dc^{h}gWXY'6chgWXUZhYb']a$:]`a

8 Ug: Ygh]j U``]gh'b]Wk h'bi f'Y]bY'D`UhhZcfa 'ZØf:]`a Ya UWk Yfž gcbXYfb'Ui Wk 'Y]b'FUi a 'ZØf'[YgY``gWk UZh`]Wk Yi bX'dc`]h]gWk Y 8]g_i gg]cbYb"' \(\frac{1}{2} \text{X}]YgYa \(\frac{1}{2} \text{Y} \frac{1}{2} \text{U} \text{D} \text{Y} \frac{1}{2} \text{V} \frac{1}{2} \text{V

8 UfØVYf`\]bUi g`Yf\]Y`h`XYf`W\]`Yb]gW\Y`:]`a `H\Y`A mghYf]ci g
; UnY`cZ'h\Y`:`Ua]b[c ž`XYf`X]Y`9fZU\fi b[Yb`j cb`HfUbgZfUi Yb`]b
XYb`%-,\$Yf!\\fYb`h\Ya Uh]g]Yfhž`Y]bY`5i gnY]W\bi b["`8 Yf
h\U]`AbX]gW\Y`@,6HE!:]`a`I gYZi``;\cgh`[Yk Ubb`XYb
?f]h]_YfdfY]gž`k Ug`X]Y`J]Y`ZU`h`i bX`6fY]hY`XYf`U_hi Y``Yb`Z]`a]gW\Yb
5i gY]bUbXYfgYhni b[`i bhYfghfY]W\h"

8]Y'U_hi Y``Y'@U[Y']b'7UbbYgž'gck c\``]b'6Yni ['Ui Z'X]Y'GhÒfi b[Yb Xi fWX'XYb'Ghfca Ui gZU```U`g'Ui WX'X]Y'h\Ya Uh]gWXY'H]YZY'XYf [YnY][hYb':]`a Yž'nY][hž'k]Y'Yb['_i `hi fY``Y'JYfUbghU`hi b[Yb'a]h U_hi Y``Yb'[YgY``gWXUZh`]WXYb'i bX'dc`]h]gWXYb'H\Ya Yb'j Yf_bØdZh g]bX"'8]Y'9bhk]W_`Yf'i bX'Ni gWXUi Yf'g]bX'[YZcfXYfhž'g]WX'gck c\`a]h'XYa'; YnY][hYb'Ui gY]bUbXYfni gYhnYb'U`g'Ui WX'X]Y <]bhYf[fØbXY'XYf'JcfZÀ``Y'j cf'Cfh'ni jYfghY\Yb"

8 Y hU]`g	
J c f ZU``	6fUbXgh]Zhib[
I fgUWX Y	6fUbXgh]Zhi b[ž'Ghfca Ui gZU``
Cfh	7UbbYgž': fUb_fY]WX
EiY``Yb	• k k k "U`^UnYYfU"Wca
	• k k k "XYj X]gWci fgY"Wca
	fd!cb`]bY"XY

6Ygi WXYb G]Y i bg Ui Z. b!U["bYh