

9`cb'Aig_.; Yb]U`Yf'=bbcj Uhcf'cXYf ia ghf]hhYbYg'; Yb]Y3

9`cb`Aig_ž'XYf`a]``]UfXYbgWkYfY`IbhYfbY\aYfž'ghY\h'&\$&)]a`A]hhY`dib_h'jcb'?cbhfcjYfgYb'ibX'=bbcjUh]cbgd`ÀbYb'ZØf AUfg!?c`cb]gUh]cb"



6cWU'7\]WUZ'HYI UgZ'I G5'!'9`cb'A i g_Z'XYf'[YVØfh][YGØXUZf]_UbYf'i bX'I bhYfbY\a YfZ']gh'XYfnY]h'Y]bY'XYf dfca]bYbhYghYb':][i fYb'XYf'HYW\bc`c[]YVfUbW\Y''; YVcfYb'Ua&, "''\def b]'%- +%']b'DfYhcf]UZ'\Uh'A i g_']a '@Ui ZY'XYf'\d\fY'Y]bY J]Y`nU\`'j cb'YfZc`[fY]W\Yb'I bhYfbY\a Yb'[Y[fØbXYhZY]bgW\']Y\')]W\'GdUWYL'i bX'HYg`UZ'i bX'k]fX'cZh'U`g'XYffY]W\ghY A YbgW\'XYf'K Y`h'Ub[YgY\Yb'a]h'Y]bYa '[YgW\AhnhYb'JYfa O[Ybjcb'' &+Z''A]``]UfXYb'I G!8c``Uf'fGhUbX'A Afn'\&\&) \del "'Hfchn'gY]bYg 9fZc`[g'g]Y\h'g]W\'A i g_'Ui W\'Y]bYf'J]Y`nU\`'j cb'?cbhfcj YfgYb'i bX ?f]h]_Yb'[Y[YbØVYfZ'X]Y'Xi fW\'gY]bY'fUX]_U`Yb'Ÿi \rightarrow Yfi b[Yb'i bX XUg'5i ZhfYhYb'j cb'J YfgW\k Ofi b[gh\Ycf]Yb'VYX]b[h'g]bX"

 $A i g_{g}^{-1}gh^{-1}j cf^{-1}U^{Y}a^{-1}Z^{\emptyset}f^{-1}gY]bY^{-1}J^{-1}g]cb^{-1}VY_{g}^{-1}bh^{2}X^{-1}Y^{-1}A^{-1}Y^{-1}bgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}bgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-1}A^{-1}Y^{-1}BgW^{-1}X^{-1}Y^{-$

a i `h]d`UbYhUf]gW\`ni `a UW\Yb"'9f`\Uh`Y]bY`_`UfY`JcfghY``i b[
XUjcbž`X]Y`9fXY`ni `jYf`UggYbži a `UiZ'D`UbYhYb`k]Y`A Ufg`ni
`YVYb"'@Uih'I G5 `HcXUm`\Uh`Aig_`[YgW\Àhnhž`XUgg`X]Y
A YbgW\\Y]h`()\$`A]``]cbYb`*J\fY`\Uhž`VYjcf`X]Y`9fXY`UiZ[fibX`XYf
9IdUbg]cb`XYf`GcbbY`ibVYkc\bVUf`k]fX"`GY]b`D`Ub`iaZUggh`X]Y
GW\UZZb[`Y]bYf`gY`VghhfU[YbXYb`GhUXh`UiZ`XYa`FchYb`D`UbYhYb"

$A i g_i b X X Y A Ufg!? c cb]g]Yfi b[$

8]Y '9bhk]W_`i b[Yb'VY]'GdUW'L 'gd]Y`Yb'Y]bY 'YbhgW\Y]XYbXY'Fc``Y]b'Aig_g'5a V]h]cbYb"'5_hi Y``'d`Ubh'GdUW'L 'i bVYa UbbhYA]gg]cbYb'a]h'XYf'GhUfg\]d!FU_YhYž'X]Y'VYfY]hg'[YhYghYh'k i fXYž'YxcW\']b'nk Y]'XYf'YfghYb': `Ø[Y'&\$&) 'Yl d`cX]YfhY"'8YfnY]hVYfY]hYh'GdUW'L 'X]Y'bYi bhY'HYghfY]\Y'j cf'i bX'\Uh'VYfY]hg; YbY\a][i b[Yb'ZØf'V]g'ni '&) 'GhUfhg'dfc'\\\f\Yf\U`hYb''?f]h]_YfghY``Yb''YxcW\'_cbh]bi]Yf`]W\'Aig_g'cdh]a]gh]gW\Y'Dfc[bcgYb'ni f@UbXi b['j cb'A YbgW\Yb'Ui Z'A Ufg'\]bhYfZfU[YbX"

I bhYfbY\a Yf]gW\Y`9fZc`[Y`i bX ?cbhfcj YfgYb

BYVYb'gY]bYb'FUi a ZU\fhi b_h]cbYb']gh'A i g_'Ui W.'ZØf'gY]bY i bhYfbY\a Yf]gW.Yb'9fZc`[Y']b'j YfgW.]YXYbYb'6YfY]W.Yb'VY_Ubbh'' Ni 'gY]bYb'YfZc`[fY]W.ghYb'I bhYfbY\a Yb'nÀ\`Yb'bYVYb'GdUWYL i bX'HYg`U'Ui W.'BYi fU`]b_'i bX'H\Y'6cf]b['7ca dUbm''8]Y'9fZc`[Y j cb'A i g_'g]bX'U``YfX]b[g'b]W.h'c\bY'?cbhfcj YfgYb'''9f'g]Y\h'g]W. 5bh]gYa]h]ga i g!J cfk ØfZYbž'?f]h]_'k Y[Yb'gY]bYf'Ÿi »Yfi b[Yb'ØVYf[YgW.`YW.hgUb[`Y]W.YbXY'CdYfUh]cbYb'i bX'Y]bY'U``[Ya Y]bY FY`Uh]j]Yfi b['j cb'D`UhhZcfa !A cXYfUh]cbYb'[Y[YbØVYf"

Df]j Uh`YVYb`i bX`ÒZZYbh`]W\Y`K U\fbY\a i b['g]bX`Ui W\ 'Y]b`HY]``j cb A i $g_g`=XYbh]hÅh'``A]h``%(`?]bXYfb``Ui g`j]Yf`j YfgW\]YXYbYb 6Yn]Y\i b[Yb`]gh`gY]b`: Ua]`]Yb`YVYb`YVYbgc`ZUWYhhYbfY]W\`k]Y gY]bY`? Uff]YfY''`GY]bY`HcW\hYf`J]j]Ub`<math>X$ bbU`K]`gcb`\Uh`g]W\ ÒZZYbh`]W\`j cb`]\a 'X]ghUbn]Yfhž`k Ug`X]Y`: Ua]`]YbVYn]Y\i b[Yb`]b Y]bYa 'bYi Yb`@]W\h`YfgW\Y]bYb``Àggh''

±g[YgUa h']gh'9`cb'A i g_'Y]bY'dc`Uf]gYfYbXY':][i fž'X]Y'gck c\`
6Yk i bXYfi b['U`g'Ui W\'?f]h]_'Ui Z'g]W\'n]Y\hž'k À\fYbX'Yf'k Y]hYf\]b
Ub'gY]bYf'J]g]cb'UfVY]hYhž'Y]bYb'bYi Yb'@YVYbgfUi a 'ZØf'X]Y
A YbgW\\Y]h'ni 'gW\UZZYb"'8]Y'8YVUhhY'ØVYf'gY]bY'D`ÀbY'ni f'A Ufg!
?c`cb]g]Yfi b['i bX'X]Y'XUa]h'j YfVi bXYbYb'Yh\]gW\Yb
: fU[YghY``i b[Yb'V`Y]Vh'U_h]j 'i bX'k]fX'a]h'5f[i gUi [Yb'j YfZc`[h"

8 YhU]`g	
Cfh	6cWU'7\]WUž'HYI Ugž'I G5
EiY``Yb	• k k k "_b!cb`]bY"XY
	• k k k "i gUhc X Um" Wca
	 bYk gdŪWYYWcbca m"WU

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