

6Yhfi b_YbYf'FUXZU\fYf'i bX'?]bXYf! GWXcW_.'7\Ucg'Ui Z'XYf'5*\$'VY] FØggY`g\Y]a °

6Yhfi b_YbYf': U\ffUXZU\fYf'Ui Z'XYf'5*\$'VY]'FØggY`g\Y]a ZØ\fh'ni 'Dc`]nY]Y]bgUhn"'5a ': c`[YhU['k YfZYb'?]bXYf': `UgW\Y j cb'6fØW_Y"

FØggY`g\Y]a ž'8Yi hgW\`UbX`!\\D`Y]bYa '_i f]cgYb`i bX
[YZÀ\f`]W\Yb'JcfZU```k i fXY'Ui Z'XYf'5*\$'VY]`FØggY`g\Y]a 'Y]b
VYhfi b_YbYf'A Ubb'Ui Z'Y]bYa :: U\ffUX'YbhXYW_h"'5i hcZU\fYf
ghUi bhYb'b]W\h`gW\`YW\hž'U`g`g]Y'Ua 'GUa ghU[a cf[Ybž'XYa '&*"
C_hcVYfž'XYb'FUXZU\fYf']b'F]W\hi b['6]gW\cZg\Y]a 'j cfVY]ZU\fYb
gU\Yb"'8]Y'Dc`]nY]'ghcddhY'XYb'A Ubb'_i fn'j cf'XYf'5VZU\fh'i bX
ghY``hY'ZYghž'XUgg'Yf'a]h'Y]bYa '5`_c\c`k Yfh'j cb'%ž, &'Dfca]``Y
i bhYfk Y[g'k Uf"'9f'k i fXY'ZYgh[Ybca a Yb'i bX'a i gg'g]W\'bi b
k Y[Yb': U\fYbg'i bhYf'5`_c\c`Y]bZi gg'gck]Y'XYg'j YfVchYbYb
: U\fYbg'Ui Z'XYf'5i hcVU\b'j YfUbhk cfhYb"

 $\label{eq:bounds} BifY]bYb^*HU[^*gdAhYfž^*Ua^*GcbbhU[^*z'XYb^*&+"^*C_hcVYfž^*gcf[^hYbXfY]^*?]bXYf^*ZØf^*5i^*ZfY[^ib[^*z'U^*g'g]Y^*Y]bY^*D^*Ugh]_Z^*UgWXY^*j^*cb^*Y]bYf^*6f@W_Y^*Ui^*Z^*X]Y^*5^* $^*k^*UfZYb^*^*9]bY^*5i^*hc^*ZU\fYf]b^*a^*Y^*XYhY^*XYb^*J^*cfZU^***ia^*W(.())^*I\f''*;^*\@W_*^*]WXYfk^*Y]gY^*YbhghUbX^*_Y]b^*GUWXgWXUXYb^*i^*bX^*X]Y^*Dc^*]nY]^*_cbbhY^*X]Y^*?]bXYfz^*]a^*5^*hYf^*j^*cb^*W^*V]g^*W^*J^*Ybz^*bUWX^*Y]bYf^*5i^*Z_^*Afi^b[^*@VYf^*X]Y^*;^*YZU\fYb^*]\fYg^*VUbXY^*bg^*]\fYb^*9^*hYfb^*@VYf[^*YVYb^**Ui^*h^*=bZcfa^*Uh]cbYb^*j^*cb^*k^*k^*__fY]g!UbnY][^*Yf^*XY''$

8 Y hU]`g	
Cfh	FØggY`g\Y]a ž'8Yi hgWX`UbX

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["XY