

=a a Yf'a Y\f''i b[Y'; fØbXYf. GY`VghghÀbX][_Y]h'Vcca h']b'8Yi hgW\`UbX°

a '≯J\f'&\$&('gh]Y['X]Y'NU\``XYf'9I]ghYbn[fØbXi b[Yb']b 8 Yi hgW\`UbX'Ui Z') ,) "\$\$\$"'≯Øb[YfY'; fØbXYf'Yf[fY]ZYb ni bY\a YbX'X]Y' ₺]h]Uh]j Y"



 $8\ Yi\ hgWX`UbX`!`=a``\lambda\f`&\$\&(`j`YfnY]WXbYhY`8Yi\ hgWX`UbX`Y]bYb$ 5bgh]Y[`VY]`XYb`9I]ghYbn[fØbXib[Yb`ia``%+"$$$`UiZ`]bg[YgUah),) "$$$"`8]Yg`Ybhgdf]WXhY]bYa``Nik UWXg`j`cb`XfY]`DfcnYbh`]a JYf[`Y]WX`nia``Jcf'U\f"`@Ui\h`XYf`?ZK``ff?fYX]hUbghU`h`ZØf K]YXYfUiZVUi\end{array} E'hfU[Yb`]bgVYgcbXYfY`X]Y`U_hiY``Yb`9bhk]\w_`ib[YbUiZ`XYa``5fVY]hgaUf_h`XUni``VY]ž`XUgg`g]WX`]a`aYf`aY\f`AYbgWXYbZØf`Y]bY`; fØbXib[`YbhgWXY]XYbž`\ÀiZ][``Ui\WX`]a``BYVYbYfkYfV" 8Yf`nibY\aYbXY`8fi\w_`]b`XYf`5fVY]hgkY`h`\Uhij]Y`Y`XUnijYfUb`Ugghž`]b`X]Y`GY`VghghÀbX][`_Y]h`ni``[Y\Yb"$

8 Ugʻ8 i fWX gWX b]hhgU`hYfʻXYfʻ; fØbXYf]bbYbʻi bXʻ; fØbXYfʻgUb_ʻUi Zʻ (ž(ʻ\lambda)\fYžʻk UgʻXYbʻb]YXf][ghYbʻK YfhʻgY]hʻ6Y[]bbʻXYf 9f\YVi b[YbʻXUfghY``h"ʻ5 i ZZÀ``][ʻ]gh'XUVY]žʻXUggʻ' - 'DfcnYbh'XYf

8Ya c[fUZ]gWXY'9bhk]W_`i b[Yb']a; fØbXi b[ggY_hcf

8]Y'Ghi X]Y'XYf'?ZK 'nY][h'Ui W\'Y]bYb'FØW_[Ub['XYf'; fØbXYf']a 5`hYf'j cb'(\$'V]g'(-'\lambda\\fYb'Ui Z'\%*'DfcnYbh'gck]Y']a '5`hYf'j cb')\$
V]g'*) '\lambda\\fYb'Ui Z'\&\'DfcnYbh'''Hfchn'XYf'dcg]h]j Yb'9bhk]\W_`i b['XYf'; fØbXi b[gnU\`Yb'V`Y]Vh'X]Y'BY][i b['ni f
I bhYfbY\a Ybg[fØbXi b[']b'8Yi hgW\`UbX']bg[YgUa h'[Yf]b['''8]Y
?ZK '\YVh'X]Y'6YXYi hi b['XYf'; fØbXi b[Yb'ZØf'X]Y'K]fhgW\\UZh\\Yfj cfž']bgVYgcbXYfY'ZØf'XYb'A]hhY`ghUbXž'XYf'ZØf'\bcj Uh]cbYb
i bX'K YhhVYk YfVgXfi W_'YbhgW\Y]XYbX']gh"

 $: \varnothing f`\&\$\&) `Yfk UfhYh`X]Y`? ZK ``Y]Wkh`ghY][YbXY`; f\varnothing bXi b[gnU\`Ybžk cVY]`X]Y`5bnU\``XYf`BYVYbYfk YfVg[f\varnothing bXi b[Yb`i a `) `DfcnYbh Ui Z'' , &"$$$`Ub[Ygh]Y[Yb`]gh"`8Ya `[Y[Yb\varnothing VYf`ghY\h`Y]b F\@W_[Ub[`XYf`Jc``Yfk YfVg[f\@bXi b[Yb`i a `%`DfcnYbh`Ui Z &$' "$$$"`8Yf`; f\@bXi b[ghfYbX`gY]h`&$% `nY][h`]bg[YgUa h`Y]bY GhU[bUh]cb"$

:]bUbn]Y``Y 5gdY_hY i bX < YfUi gZcfXYfi b[Yb

FibX') * 'DfcnYbh'XYf'; fØbXYf'VYbÒh][hYb'&\$&('V]g'ni') "\$\$\$'9i fc GhUfh_Ud]hU'ž'k À\fYbX'+) 'DfcnYbh']\fYb'? Ud]hU'VYXUfZ
Ui ggW\`]Y\\`a]h'9][Yba]hhY'b'XYW_hYb"'B]W\\h'ni `Yhnh'nY][h'X]Y
? ZK 'Ui W\\`ž'XUgg', 'DfcnYbh'XYf'9I]ghYbn[fØbXib[Yb
BYi [fØbXib[Yb'g]bXž'%\$'DfcnYbh', VYfbU\aYb'ibX'+'DfcnYbh
6YhY]`][ib[Yb"'9]b'Yf\YV`]W\Yf'5bhY]`'jcb'' * 'DfcnYbh'XYf
; fØbXib[Yb'k Uf'X][]hU`"'Hfchn'XYf'dcg]h]jYb'NU\`Yb'[]Vh'Yg'UiW\
<YfUi gZcfXYfib[Yb.'9]b'8f]hhY`'XYf'; fØbXYf'VYYbXYh'X]Y
; fØbXib[']bbYf\U`V'jcb'XfY]'\\J\fYbž'k\A\fYbX'*%'DfcnYbh'bUW\
ZØbZ'\J\fYb'bcW\'U_h]j'g]bX"

: Øf X]Y Ni _i b Zh]gh Yg Yb hg W Y] XY b X ž X Ugg '6] `Xi b ['i b X J Y fhf Ui Y b]b Z]b Ub n]Y ``Y 'H\Ya Yb '[Y ZÒ f X Y fh 'k Y f X Y b ž i a 'X]Y ; f Øb X i b [gb Y] [i b ['k Y] h Y f 'ni 'Y f\ Ò\Yb " 8]Y 'b Y i Y 'F Y [] Y fi b [d`Ub h ž i b h Y f b Y\a Y f] g W Y ': À\] [_Y] h Y b 'V Y f Y] hg '] b 'X Y b 'G W i `Y b 'ni ZÒ f X Y f b Ž i a 'X]Y 'b À W gh Y '; Y b Y f Uh] c b '1 b [Y f '; f Ø b X Y f 'ni i b h Y f g h Ø h n Y b " 8] Y '? Z K 'g] Y\h `\] Y f] b 'Y] b Y 'k] W h] [Y 'A Ò [`] W _Y] h ž X] Y K Y h V Y k Y f V g Z Å\] [_Y] h '8 Y i h g W `Ub X g 'ni 'g h Å f _Y b "

K Y]hYfY = bZcfa Uh]cbYb i bX 8 YhU] g ni 'XYb 'HfYbXg]a
; fØbXi b[ggY_hcf'Z]bXYb 'G]Y]b 'XYf'Ghi X]Y 'Ui Z'NJ K 'gck]Y]a '
9I]ghYbn[fØbXi b[gdcfhU`"

8 YhU]`g	
Cfh	8 Yi hg WX `U b X
EiY``Yb	• k k k "nj k "XY
	• k k k "_Zk "XY
	k k k "YI]ghYbn[fi YbXi b[gdcfhU`"
	XY

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