

DfY]gYf\ \dot{O} \ib['gW\cW_h'A]YhYf.') \$\$ '9i fc dfc'GhY``d`Uhn']b'GhUfbVYf['

GhUfbVYf[.'A]YhghY][Yfib['UiZ')\$\$'9ifc'ZØf H]YZ[UfU[YbghY``d`ÀhnY']b'XYb'GYYUf_UXYb"'GhUXh'dfØZh fYWXh`]WXY'GWXf]hhY"



 $8]YV]gVf][YbA]YhjYfhfÀ[Yg]bXVYfY]hg[Y_ØbX][hkcfXYbžkUg]$

XYb I ba i h'XYf A]YhYf ni gÀhn`]W\ 'Ub\Y]nh" J]Y`Y j cb ']\bYb 'n]Y\Yb bi b ']b '6YhfUW\ hž']\fY'; YgW\ÀZhY'k cUbXYfg 'Ubni g]YXY`bž'k Ug Ub[Yg]W\ hg 'XYg '5 bgh]Y[g 'VY] 'XYb 'GhY``d`UhndfY]gYb 'Xi fW\ Ui g j YfghÀbX`]W\ ']gh" '6Øf[Yfa Y]ghYf 'DUhf]W_ '\$Jb]_ '\ Uh 'VYfY]hg 'Y]b 'C\f ZØf 'X]Y 'Gcf[Yb 'XYf 'A]YhYf 'i bX'k i fXY' j cb 'a Y\fYfYb 'VYhfc ZZYbYb DYfgcbYb '_cbhU_h]Yfhž'X]Y 'fYW\ h`]W\ Y '\$Zcfa Uh]cbYb 'a ÒW\ hYb" I a X]Y '? cbgYei YbnYb 'XYf 'A]YhdfY]gYf\Ò\i b['ni 'dfØZYbž'\Uh'X]Y GhUXh'XUg '@UbXfUhgUa h'Y]b[YgW\ U`hYhž'k]Y '8 Yf 'A Uf_h'VYf]W\ hYh"

GUb]Yfi b[gVYXUfZi bX A]Yhj Yf\A`hb]ggY

I bhYf'XYb'A]YhYfb'[]Vh'Yg'VYfY]hg'Yfbgh\UZhY', VYf`Y[ib[Yb'niffYW\h`]W\Yb'5igY]bUbXYfgYhnib["'6Y]gd]Y`gk Y]gY'\UVYb'Y]b][Y A]YhYfž'XUfibhYf'X]Y'VY_UbbhYb'GhUb[`gž', VYf') \$\$"\$\$\$'9ifc']b']\f 6]ghfc']bj Ygh]Yfhž'k Y`W\Yg'bib'Ui W\'jcb'VUi`]W\Yb'A \Ab[Y`b VYhfcZZYb']gh''8]Y'F\Z\J'JYfg]W\Yfib[\z'Zf\Ø\YfY'9][YbhØa Yf]b\z'\Uh X]Y'A]Yhj Yfhf\A[Y'Zf]gh`cg'[Y_\ØbX][h\z'kY]``g]Y'Y]bY'A]Yha]bXYfib[\g]Y\h''8 Ug'gW\\Øfh'X]Y'Gcf[Yb'XYf'A]YhYf\z'X]Y'g]W\'b]W\h'bifa]h ghY][YbXYb'?cghYb\z'gcbXYfb'Ui W\'a]h'Y]bYa'ib[Yk]ggYb:cfhVYghUbX']\fYf'; YgW\\AZhY'_cbZfcbh]Yfh'gY\Yb''

5 i gV`]W_'Ui Z'XYb'DUf_d`Uhn'Ub'XYf @i Xk][ghfU» Y

 $\label{eq:lambda} I a `Y]b`k Yb][`9bh`Ughi b[`ni `gWk UZZYbž']gh`ZØf`X]YgYg`$J \f`Y]b$

bYi Yf'DUf_d`Uhn']b XYf'@ Xk][ghfU» Y'a]h'&, 'GhY``d`ÀhnYb'[Yd`Ubh'' 6Øf[Yfa Y]ghYf'*Jb]_'VYhcbhž'XUgg'[Yk]ggY'VUi fYW\h`]W\Y
GhY``d`ÀhnY'bchk YbX]['g]bXž'i a 'XYb'ni bY\a YbXYb
DUf_d`UhnXfi W_']b 'XYf'GhUXh'ni 'a]bXYfb"'; Ya Y]bgUa 'a]h'XYb
9bhk]W_`i b[Yb'Ui Z'XYa '=a a cV]`]Yba Uf_hž'XYf'`Ui h'Y]bYf
U_hi Y``Yb'Ghi X]Y'a]h'Ub\U`hYbXYb'<YfUi gZcfXYfi b[Yb
_cbZfcbh]Yfh']ghž'k]fX'XYi h`]W\Z'XUgg'g]W\X]Y'@U[Y']b'GhUfbVYf[
b]W\h'bi f'ZØf'A]YhYf'Ua '9bXY'dfY_Àf'[YghU`hYb'_ObbhY"'H\Y
DfcdYfhm'Dcgh'\YVh'\Yfj cfž'XUgg'Ui W\']b'UbXYfYb'GhÀXhYb'X]Y
BUW\ZfU[Y'bUW\'\cW\k Yfh][Yb'@U[Yb'V`Y]Vhž'k À\fYbX']b'k Yb][YfbUW\[YZfU[hYb'; YV]YhYb'X]Y'@YYfghÀbXY'ghY][Yb"

8 YhU]`g	
Cfh	GhUfbVYf[ž8Yi hgWX`UbX
EiY``Yb	• k k k "a Yf_i f"XY
	XYf!a Uf_h"bYh
	kkk"h\Y!dfcdYfhm!dcgh"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z 'b U[!V UmY fb "X Y