

BUWX: Yi Yf]bZYfbc. FYbhbYfdU_Yh VY[]bbh'a]h', \$'>U\fYb'bYi 'Xi fWX'

9XY`hfUi h'i bX`DYhYf'< YW\h'f| \$ž', &Ł'VY[]bbYb`bUW\`Y]bYa 6fUbX`]b`5b_`Ua `bYi "'I bhYfghØhni b[`XYf'; Ya Y]bXY`\]`Zh]\bYb`]b`qW\k]Yf][Yf`NY]h"



: UVf]_ghfU» Yž'%+', - '5b_`Ua ž'8 Yi hgW `Ub X'!'=a '5`hYf'j cb', \$

\$\lambda\fYb'gY\Yb'g]\W\'9XY\`hfUi h'< YW\ hi bX']\f'A Ubb'DYhYfž'VY]XY'Ui g

5b_`Ua ž'a]h'Y]bYf'XfUa Uh]gW\Yb'@YVYbgj YfÀbXYfi b[
_cbZfcbh]Yfh"'=\f'Ni\Ui gY'[]`h'bUW\'Y]bYa '6fUbX'U`g

i bVYk c\bVUfž'k Ug'XUni 'ZØ\fhYž'XUgg'g]Y']\fYb', \$"'; YVi fhghU[
UVgU[Yb'a i gghYb"'8Yf'j Yf\YYfYbXY'6fUbX'YfY][bYhY'g]W\'Ua '&-"

5df]`i bX'nYfghÒfhY'b]W\h'bi f'X]Y'7Ufdcfh!GW\i ddYb!5b\U[Yž
gcbXYfb'[f]ZZ'Ui W\'Ui Z'XYb'K c\bVYfY]W\'ØVYfž'k cXi fW\'Ui W\'XYf
K]bhYf[UfhYb'Yf\YV\]W\'VYgW\ÀX][h'k i fXY"'Fi » i bX'FUi W\
a UW\hYb'j]Y\Y'dYfgÒb`]W\Y'; Y[Ybgh\bXY'i bVfUi W\VUfž'V]g'Ui Z
X]Y'k Yfhj c``Yb': chcU`VYb"

 \pm b 'XYf': c`[Y 'XYg '6fUbXYg'k i fXYb 'X]Y '< YW\ hg'j cfØVYf[Y\YbX'j cb

]\fYfBUW\VUf]b'GUV]bY'Dc\``]b'XYfYb'9]b`]Y[Yfk c\bi b[VY\YfVYf[h"8]Y'K c\bi b[ggi W\Y'ghY``hY'g]W\'U`g'\YfUi gZcfXYfbX\YfUi gž'XU'DYhYfg'Fc``Uhcf'X]Y'Cdh]cbYb'Yf\YV`]W\'Y]bgW\fÀb_hY''GW\`]Y\'\`]W\'ZUbXYb'g]Y'Y]bY'Nk Y]!FUi a !K c\bi b[']b'Y]bYaAY\fZUa]`]Yb\Ui g'Ub'XYf': UVf]_ghfU\'Y''5i Z[fi bX']\fYfV'gcbXYfYb'G]hi Uh]cb'j Yfn]W\hYhY'XYf'JYfk U`hYf'Ui Z'Y]bYbaY\fA\f][Yb'A]Yhj YfhfU[ž'XcW\'X]Y'bYi Y'K c\bi b['V`Y]VhVYYb[hž'j YfZØ[h'YXcW\'ØVYf'Y]bY'_`Y]bY'?@W\Y'i bX'Ni [Ub['ni Y]bYa'; UfhYb"

:]bUbn]Y``Y`I bhYfghØhni b[i bX < YfUi gZcfXYfi b[Yb</pre>

8]Y'Z]bUbn]Y``Yb': c`[Yb'XYg'6fUbXYg'g]bX'Yf\YV`]W\"`A]h'XYf
YfghYb'5i gnU\`i b[']\fYf'JYfg]W\Yfi b['_cbbhYb'X]Y'<YW\hg'Y]bYb
: YfbgY\Yf'i bX'6YhhYb'UbgW\UZZYb/'UbXYfY'A ÒVY``k i fXYb
[YVfUi W\h'VYgW\UZZh"8UfØVYf'\]bUi g'Yf\]Y`hYb'g]Y'I bhYfghØhni b[
j cb'XYb'BUW\VUfb'i bX'XYf'Jc`_ggc`]XUf]h\hz'X]Y'Y]bY
; Y`XgUa a `i b[']b]h]]YfhYz'X]Y'(\$\$'9i fc'Y]bVfUW\hY"'8YbbcW\'[]Vh
Yg'6YXYb_Ybz'XUgg'b]W\h'U``Y'?cghYbz'X]Y']a 'gYW\gghY``][Yb
6YfY]W\'Ui Z[fi bX'[Yd`UbhYf'i a ZUb[fY]W\Yf
K]YXYf\YfghY``i b[gUfVY]hYb'UbZU``Yb'_ObbhYbz'j cb'XYf
JYfg]W\Yfi b['[YXYW_h'k YfXYb"'DYhYfg'5i hc'k i fXY'YVYbZU``g
Xi fW\'XYb'6fUbX'VYgW\\AX][hz'k Ug'X]Y'G]hi Uh]cb'ni g\(\hat{A}h\))W\
VY`UghYh"

9]bY'YfghY'k]W\h][Y'<UbX`i b['bUW\'Y]bYa '6fUbXž'k]Y'j cb'XYf
8 Yi hgW\Yb'GW\UXYbg\]'ZY'Ya dZc\`Ybž']gh'X]Y'6Y[i hUW\hi b['XYg
C V'Y_hg'ni f'9fZUggi b['XYf'GW\AXYb"'8]Yg'gc``hY'j cb'Y]bYa
; i hUW\hYf'Xi fW\[YZØ\fh'k YfXYbž'i a 'X]Y'; YVAi XYghUV]`]hAh'i bX
a O[`]W\Y'GW\AXYb'Ub'Y`Y_hf]gW\Yb'@Y]hi b[Yb'cXYf'; YfAhYb'ni
ØVYfdfØZYb"'8]Y': Yi Yfk Y\f'i bX'Dc`]nY]'k i fXYb']a
Ni gUa a Yb\Ub['a]h'XYa '6fUbX'\]bni [Ync[Ybž'i bX'Y]bY
6Y[i hUW\hi b['XYf'FAi a`]W_Y]hYb']gh'Yfgh'bUW\'XYfYb': fY][UVY
a O[`]W\"

I bhYfghØhni b[ga U»bU\a Yb i bX Ya ch]cbU`Y

$5 gd Y_hY$

I a 'g]W\'Z]bUbn]Y```ni 'Yf\c`Ybž']gh'Yg'k]W\h][ž'gW\bY```X]Y

J Yfg]W\Yfi b['ØVYf'XYb'GW\UXYb'ni ']bZcfa]YfYb'i bX'U``Y

bchk YbX][Yb'8c_i a YbhY'k]Y': chcg'i bX'FYW\bi b[Yb

VYfY]hni ghY``Yb"'=b'8Yi hgW\`UbX'V]YhYb'ghUUh`]W\Y'Dfc[fUa a Y

gck]Y'[Ya Y]bbØhn][Y'Cf[Ub]gUh]cbYb'k]Y'X]Y'7Uf]hUg'<]`ZY'Ub"

8]YgY'I bhYfghØhni b['_Ubb'YbhgW\Y]XYbX'gY]bž'i a 'X]Y'bY[Uh]j Yb

Z]bUbn]Y``Yb'5i gk]f_i b[Yb'Y]bYg'6fUbXYg'ni 'a]`XYfb"

OJ Yfg]WX Yfi b[gj Yf[`Y]WX QVYhcbh'X]Y`K]WX h][_Y]h'Y]bYf i a ZUggYbXYb`J Yfg]WX Yfi b[gdc`]WYži a 'gc`WX Y`J cfZÀ``Y VYgha Ò[`]WX`UVni g]WX Yfb"'9]bY`Yb[Y`Ni gUa a YbUfVY]h'a]h'XYf J Yfg]WX Yfi b[ž'gck]Y`XUg`J YfghÀbXb]g'ØVYf`X]Y`Ni gWX ØggYž _ÒbbYb`XYb`<Y]`i b[gdfcnYgg`YVYbZU``g`i bhYfghØhnYb"

OBYi hgWXY'GWXUXYbg\]`ZYQ\YVh'gWX`]Y»`]WX'\Yfj cfž'XUgg'bUWX Y]bYa '6fUbX'X]Y'8c_i a YbhUh]cb'XYg'GWXUXYbg'gck]Y'XUg GUa a Y`b'j cb'6YkY]gYb'ZØf'X]Y'J Yfg]WXYfi b['YggYbn]Y``'g]bX"

8 Y hU]`g	
J c fZU``	6fUbX
Cfh	: UVf]_ghfU»Yž'%+',-'5b_`Ua ž'8Yi hgW\`UbX
GWX UXYb ']b '	* \$\$\$\$\$
EiY``Yb	k k k "bcfX_i f]Yf"XY
	j Yfg]W\ Yfi b[gj Yf[`Y]W\ %"Wca
	XYi hgWX Y!gWX UXYbg\]`ZY"XY

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