A WBUj]X j g" H_UWXi _ . $T^UgV cZ^Ghm^Yg^Jb$ <][$VU_Yg^GV ck Xck b^S$

H\Y`C]`Yfg`ZUWY`h\Y`DUbh\Yfg`]b`U`Wfi WjU``fYa UhW\`cb %) "\$*"&\$&) ž`ZYUhi f]b[`ghUfg`A W8 Uj]X`UbX`H_UW\i _`]b`U`\][\! ghU_Yg`g\ck Xck b"



 $\label{eq:Gibf} Gibf]gY \cite{The Gibf}gY \cite{The Gibb}gY \cite{The Gibf}gY \cite{The Gibb}gY \cit$

7 cbbcf'A W8 Uj]X']g'bch'' gh'Ub'ci hghUbX]b['d`UmYf/\Y'Ya VcX]Yg Z]bYggYž'gdYYXž'U[]`]hmž'UbX'U'g\Ufd'j]g]cb'cb'h\Y']WY''' <]g Wcbhf]Vi h]cbg'\Uj Y'VYYb'd]j chU`'Zcf'h\Y'C]`Yfgž'Yb\UbW]b['h\Y]f cZZYbg]j Y'ghfUhY[]Yg'Wcbg]ghYbh`m''Cb'h\Y'ch\Yf'g]XYž'k Y'\Uj Y

A Uhh\Yk 'H_UW\i _ \check{z} _bck b 'Zcf'\]g'[f]h'UbX'ZYfcW]hm'''H_UW\i _'d`Umg Ub']bZi Ybh]U`'fc`Y'Zcf'h\Y'DUbh\Yfg'k]h\'\]g'U[[fYgg]j Y'ghm`Yž cZhYb'hi fb]b['h\Y'h]XY'cZ'h\Y'[Ua Y']b'\]g'hYUa g'ZUj cf"'6ch\ d`UmYfg']``i ghfUhY'WcbhfUgh]b['ghm`Yg.'A W8Uj]X g'Y`Y[UbWY'j Yfgi g H_UW\i _ g'fUk''dck Yfž'a U_]b['h\]g'a UhW\'cbY'hc'fYa Ya VYf"

<][\ GhU_Yg Zcf 6ch\ HYUa g

H\Y'ghU_Yg'Wci `Xb h'VY'\][\Yf": cf'h\Y'C]`Yfgž'U'k]b'k ci `X'Vc`ghYf h\Y]f'WcbZ]XYbW']a a YbgY`mž'dUfh]W'`Uf`m'[]j Yb'h\Y]f'dfYj]ci g d`UmcZZ'XYZYUh'hc'h\Y'DUbh\Yfg']b'U'[fi Y`]b['gYj Yb![Ua Y'gYf]Yg `Ugh'mYUf"'A Uhh\Yk 'H_UW\i_'UXXfYggYX'h\]g'fYa UhW\ž'ghUh]b['h\Uh h\Y'C]`Yfg'UfY' Ua cb['h\Y'hk c'VYgh'hYUa g']b'h\Y'`YU[i Y"''<]g fYZYWh]cbg'cb'h\Uh'\UbXg\U_Y'`]bY'a ca Ybh'k]h\'A W8Uj]X'fYj YU`U'gYbgY'cZ'fYgdYWh'a]I YX'k]h\'Ubh]W]dUh]cb'Zcf'h\]g'i dWca]b[[Ua Y"'5'j]Whcfm'Zcf'h\Y'C]`Yfg'k ci `X'bch'' gh'g][b]Zm'U'a ca Ybh'cZ fYXYa dh]cb'Vi h'U`gc'U'gc`]X]Zm]b['cZ'h\Y]f'ghUhi g']b'h\Y'`YU[i Y"

#bhYfYgh]b[`mžh\Y'C]`Yfg'\Uj Y'fYhU]bYX'U``h\Y]f'_Ym'd`UmYfg'Zfca
`Ugh'mYUf g'd`UmcZZ'fi bž'bch'hc'a Ybh]cb'h\Ymj Y'a UXY
]a dfcj Ya Ybhg'U]a YX'Uh'Vc`ghYf]b['h\Y]f'XYdh\'gWcf]b['UbX
XYZYbgY"'#i]g'bc'gi fdf]gY'h\Uh'U'fYWYbh'dc```gi [[YghYX'U'XYW]g]j Y
-) "- i 'cZ'fYgdcbXYbhg'VY`]Yj Y'h\Y'C]`Yfg'UfY'U'VYhhYf'hYUa 'h\]g
gYUgcb"'H\]g'd`UWYg'UXXYX'dfYggi fY'cb'Vch\'A W8Uj]X'UbX'\]g
hYUa a UhYg'Ug'h\Ym'ZUWY'cZZ'U[U]bgh'U'Zcfa]XUV`Y'DUbh\Yfg
gei UX"

$5.7^{\t}Ug\cZ'HU'Ybhg$

6ch\ 'hYUa g'YbhYf'h\]g'[Ua Y'k]h\ 'gca Yh\]b['hc'dfcj Y"'K\]`Y'h\YC]`Yfg'UfY'XYhYfa]bYX'hc'XYa cbghfUhY'h\Ym'WUb'cj YfWca Y'h\Y\ifX`Y'h\Y'DUbh\Yfg'dfYgYbhYX'`Ugh'mYUfž'h\Y'DUbh\Yfg'UfYYei U``m'a ch]j UhYX'hc'UggYfh'h\Y]f'Xca]bUbWY']b'h\Y'`YU[iY"'H\Y\UW_Xfcd'hc'h\]g'XiY``]g'Vch\'g][b]Z]WUbh'UbX'ZUa]`]Ufž'Ug'h\Ycih\Ycih\KaY'\Cih\CaY'\Cih\CaY'\Ch\'g][g"

;]j Yb 'A W8 Uj]X g'_bck b 'UV]`]hm'hc 'dYfZcfa 'i bXYf'dfYggi fY 'UbX $H_UWXi_g'fYdi hUh]cb 'Zcf'd\mg]WU`'d`Umž'ZUbg'WUb 'Yl dYWh'U'[Ua Y$

Z]``YX`k]h\`]bhYbg]hm`UbX`dUgg]cb"`H\]g`a UhW\i d`]g`gi fY`m`a cfY h\Ub`^\ gh`U`[Ua Y/`]h`]g`U`hYghUa Ybh`hc`k\Uh`a U_Yg`\c W_Y m`gc YI\]`UfUh]b["`=\hg`U`V`YbX`cZ`ghfUhY[mž`g_]``ž`UbX`k]``dck Yfž``YUj]b[gdYWhUhcfg`cb`h\Y`YX[Y`cZ`h\Y]f`gYUhg"

5g·Guhi fXum·b][\hiuddfcuW\Ygž·U``·YmYg·k]``VY·cb·h\Y·]W\"\K]``
A W8 Uj]X·UbX·h\Y·C]`Yfg·gYW fY·U'j]Whcfm·hc·fYWU]a ·df]XY·Zfca
`Ugh·mYUf3·Cf·k]```H_UW\i _'UbX·h\Y`DUbh\Yfg·dfcj Y·h\Y]f·k cfh\
cb\W`U[U]b3·HU_Y·mci f·gYUh·UbX·Yb^cm·h\Y·f]XY]h g·Vci bX·hc·VY
U'a Ya cfUV`Y`Yb\Ci bhYf°

: cf'a cfY'XYhU]`g'UVci h'h\Y'[Ua Y'UbX'ghUh]gh]Wgž'mci 'WUb'j]g]h' A chcfWmWY'Gdcfhg'UbX'C]`Yfg'8U]`m"'5XX]h]cbU``mž'Yb\UbW mci f'i bXYfghUbX]b['cZ'h\Y]f'dYfZcfa UbWY'k]h\'ghUh]gh]Wg'Uh'GhUh\YUX"

8 Y hU]`g	
Cfh	Gi bf]gYž7UbUXU
EiY``Yb	a chcfWmWYgdcfhg"bYh
	k k k "c]`YfgXU]`m"Wca
	• ghUh\YUX"Wca

6 Ygi W Yb G]Y i bg Ui Z a Y]b!k]Yb bYh