: `cf]XU'7i hg'6i g]bYgg'FYbh'HUI.'5'; Ua Y 7\Ub[Yf'Zcf'@cWU`'9bhfYdfYbYi fg°

8]gWcj Yf'h\Y'fYWYbh'Y`]a]bUh]cb'cZ: `cf]XU/, \$'-/g'Vig]bYgg fYbh'hUlž']hg']adUWh'cb'8ij U`'7cibhm/, \$'-/g'YWcbcamž UbX``cWU``]bj Ygha Ybh'ghfUhY[]Yg"



H\Y`XYW]g]cb`hc`fYa cj Y`h\]g`hUl ž`k\]W\`\Ug`VYYb`]b`d`UWY`g]bWY %-*-ž`\Ug`dfca dhYX`a]l YX`fYUWh]cbg"`K\]`Y`gi ddcfhYfg WY`YVfUhY`h\Y`Ubh]W]dUhYX`VYbYZ]hg`Zcf`ga U```Vi g]bYggYgž`gca Y `cWU``[cjYfbaYbhg`\UjY`fU]gYX`jU`]X`WcbWYfbg`fY[UfX]b[dchYbh]U``fYjYbiY``cggYg"`H\Y`Vig]bYgg`fYbh`hUl`kUg`YghUV`]g\YXUg`dUfh`cZ`U`VfcUXYf`hUl`d`Ub`UbX`kUg`[fUXiU``m`fYXiWYX`cjYfh\Y`mYUfgž`fYUW\]b[`U`fUhY`cZ`&i`VYZcfY`]h`kUg`Wcad`YhY`mY`]a]bUhYX"`H\Y`hUl`fYdYU``]g`gYh`hc`hU_Y`YZZYWh`cb`CWhcVYf`%ž&\) ž`Zc``ck]b[`UddfcjU``Zfca`;cjYfbcf`8YGUbh]g"

FYj Ybi Yg UbX FYdYfW gg]cbg

H\Y']a dUWh'cZh\]g'fYdYU``]g'dfcYWhYX'hc'fYXi WY': `cf]XU g'[YbYfU`fYj Ybi Y'Vm'UddfcI]a UhY`m'`-\$) 'a]``]cbž'U'ghU[[Yf]b['Z][i fY'h\Uh\Ug'bch'[cbY'i bbch]W\X'''@Uk a U_Yfgž']bWi X]b['<ci gY'GdYU_Yf DYfYn'UbX'GYbUhY'DfYg]XYbh'5`Vf]hhcbž'\UX'hc'bUj][UhY'U'fcW_m fcUX'a Uf_YX'Vm'Vi X[Yh'X]gU[fYYa Ybhg'hc'fYUW\'h\]g'U[fYYa Ybh'' H\]g'hUI'g\]Zh'Wci `X'`YUX'hc'`cWU`'[cj Yfba Ybhg'\Uj]b['hc fYWcbg]XYf'h\Y]f'ck b'hUI'ghfi Whi fYgž'Ug'h\Y'ghUhY'\Ug'gi [[YghYX h\Yma Um'bYYX'hc'fU]gY'`cWU`'hUI Yg'hc'Wca dYbgUhY'Zcf'h\Y'`cgg'cZ fYj Ybi Yž'U'fYWca a YbXUh]cb'h\Uh'\Ug'ZUWYX'di g\VUW_'Zfca gYj YfU`'a i b]W]dU`]h]Yg''

Gca Y``cWU``Ui h\cf]h]Yg`\Uj Y`YI dfYggYX`X]gWcbhYbh`k]h\`h\Y`]XYU cZ`]bWfYUg]b[``cWU``hUI YgžYgdYW]U``m`h\cgY`h\Uh`\Uj Y`[U]bYX`j chYf Uddfcj U``h\fci [\`fYZYfYbXi a g"` K Y`dfYZYf`hc`fYhU]b`ci f``cWU` gU`Yg`hUI Yg`cb`Vi g]bYgg`fYbhgž `ghUhYX`U``cWU``cZZ]W]U``fYWYbh`mž\][\`][\h]b[`h\Y`cb[c]b[`hYbg]cb`VYhk YYb`ghUhY`UbX``cWU``Z]gWU` ghfUhY[]Yg"

6ccgh]b[::`cf]XU g'6i g]bYgg'9bj]fcba Ybh

<ck Yj Yfž'h\Y'ci h`cc_']gb h'U```Xcca 'UbX'[`cca "'6m'Y`]a]bUh]b[
h\]g'hUl ž: `cf]XU']g'k cf_]b['hck UfXg'Vc`ghYf]b[']hg'fYdi hUh]cb'Ug'U
`ck!hUl 'ghUhYž'k \]W\']g'U'a U'cf'XfUk 'Zcf'Vi g]bYggYg'UbX
YbhfYdfYbYi fg'U`]_Y"'5g'B Uh]cbU`'@Uk 'F Yj]Yk 'bchYgž': `cf]XU']g
W'ffYbh`m'h\Y'cb`m'ghUhY'h\Uh']a dcgYg'U'gU`Yg'hUl 'cb'Wca a YfW]U`
`YUgYgž'gYhh]b['h\Y'ghU[Y'Zcf'Wca dYh]h]j Y'YWcbca]WUXj UbhU[Yg cbW'h\]g'hUl ']g'`]ZhYX"</pre>

 $\label{eq:conditional} H\Y'Uha\ cgd\YfY'Zcf'YI\ dUbg]cb']g'Vf][\hYb]b[\ 'Ug'k\ Y``ž'k\]h\Ablabel{eq:cgd}$

Y`YWhfcb]Wg`a Ubi ZUWhi f]b['[]Ubh`\JV]`'d`Ubb]b['hc']bj Ygh'`) \$\$ a]``]cb'hc'Yb\UbWY']hg'5=UbX'Wci X'XUhU'WYbhYf']bZfUghfi Whi fY']bh\Y'Gci h\YUgh"'H\]g'bYk 'ZUW]`]hm'i bXYfgWcfYg': `cf]XU g'dchYbh]U`Ug'U'hYWX'\i V'UbX'YWcbca]Wdck Yf\ci gY"

9b[U[]b[7ca a i b]h]Yg UbX =bXi ghf]Yg

Hci f]ga ``YUXYfg`]b`*JW_gcbj]``Y`UfY`U`gc`[Yhh]b[`]b`cb`h\Y`UWh]cbždfYgYbh]b[`g]l `ghfUhY[]W]bj Ygha Ybhg`U]a YX`Uh`Yb\UbW]b[``cWU`hci f]ga `cj Yf`h\Y`bYl h`ZYk `mYUfg"`H\YgY`dfcdcgU`gž`fYgi `h]b[`ZfcaUb`Yl hYbg]j Y`a Uf_Yhd`UWY`ghi Xmž`]bX]WUhY`cb[c]b[`YZZcfhg`hcYbYf[]nY`h\Y`hci f]ga `gYWhcf`Ua]X`YWcbca]WZi Whi Uh]cbg"

K \]'Y'A]Ua]'\chY`g'[fUdd`Y'k]h\']bXi ghfm'W\U``Yb[Ygž'h\YfY g'U Z]fa 'fYgc`j Y'bch'hc'W h'fUhYg"'8Uj]X'K \]hU_Yfž'h\Y'dfYg]XYbh'UbX 79C'cZ'h\Y'; fYUhYf'A]Ua]'7cbj Ybh]cb'/ 'J]g]hcfg'6i fYUi ž']g WUi h]ci g`m'cdh]a]gh]WUVci h'\ck 'h\Y'gi a a Yf'gYUgcb'k]``i bZc`X" <Y'UW_bck `YX[Yg'h\Y'i bWfhU]bhm'Vi h'VY`]Yj Yg'h\Y'fY[]cb'WUb cj YfWca Y'h\YgY'\YUXk]bXg"

±b·h\Y·k cf`X·cZ']bgi fUbWYž'Gh"'DYhYfgVi f[g'DUhf]ch'GY`YWh'DfcdYfhm UbX'7Ugi U`hm'±bgi fUbWY'7c"']g'a U_]b['k Uj Yg'Vm'UWei]f]b['bYUf`m %&ž\$\$\$\ca Yck bYfg']bgi fUbWY'dc`]W]Yg'Zfca '7]h]nYbg'DfcdYfhm ±bgi fUbWY'7cfd"'H\]g'a cj Y'fYZYWhg'VfcUXYf'hfYbXg'k]h\]b'h\Y ghUhY g']bgi fUbWY'a Uf_Yhž'U]a]b['Zcf'[fck h\ 'UbX'ghUV]`]hm"

A cfYcj Yfž'UXj UbWa Ybhg']b'hYW\bc`c[m'UfY'VY]b['i g\YfYX']bhc
: `cf]XU'k]h\']bbcj Uh]cbg'`]_Y'h\cgY'Zfca 'Cj YfYhž'U'XYbhU`'5 =
ghUfhi d'`cc_]b['hc'fYj c`i h]cb]nY'WUfY']b'h\Y'ghUhY"'H\Y]f
Wca a]ha Ybh'hc']bhfcXi W]b['W'hh]b[!YX[Y'hYW\bc`c[m'hc'`cWU`
XYbhU`'W]b]Wg']g'fYa Uf_UV`Yž'Wcbg]XYf]b['h\Y]f'fcchg']b'<Ufj UfX g
]bbcj Uh]cb'`UV"

DYf\Udg'cbY'cZ'h\Y'\][\`][\hg'cb'h\Y'\cf]ncb']g'h\Y']bUi [ifU`7cc`Ygh'H\]b['AUXY']b': `cf]XU 'WcadYh]h]cbž\cghYX'Vm'h\Y: `cf]XU'7\UaVYf'cZ'7caaYfW'''H\]g'YjYbh'k]```g\ckWUgY]bbcjUh]cb'UbX'aUbiZUWhif]b['YIWY``YbWYž'k]h\'jch]b['U`fYUXmibXYfkUm'ibh]`'\si\`m'%ž'U``ck]b['fYg]XYbhg'hc'UWh]jY`m'dUfh]W]dUhY

]b'WY`YVfUh]b[':`cf]XU g']bXi ghf]U`'WfYUh]j]hm"'Gi W\'UWh]j]h]Yg'bch cb`m'dfca chY'df]XY'Vi h'U`gc'Vc`ghYf'Wca a i b]hm'Yb[U[Ya Ybh"

H\Y`W\Ub[Yg`Vfci[\h`Zcfh\`Vm`h\Y``Y[]g`Uh]cb`g][b]Zm`acfY`h\Ub
'i gh`bi aVYfg h\Ym`fYdfYgYbh`U`bYk`W\UdhYf`Zcf`:`cf]XU g
Vi g]bYggYg`UbX`fYg]XYbhg"`K]h\`h\Y`f][\h`UX'i ghaYbhg`UbX
Wcaaib]hm`ZcWi gž'h\Y`Gibg\]bY`GhUhY`]g`cb`hfUW_`Zcf`Ub
]bj][cfUhYX`YWcbca]WZ hifY"

8 YhU]`g	
Cfh	划W_gcbj]``Yž': `cf]XUž'I G5
EiY``Yb	• k k k "Z`cf]XUhfYbX"Wca
	• bUh`Uk fYj]Yk "Wca
	Z`cf]XUdc`]h]Wg"Wca

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