## 9gWUa V]U'7ci bhm⁄ [\$' - /g'6i X[Yh Hif\_Ymg.`` &A `]b`Ei Ygh]cbUV`Y'GhUhY :ibXg

9gWUa V]U'7ci bhm/ \$' - /g`ghUhY`Uddfcdf]Uh]cbg`ZU[[YX`Ug / ei ch/6i X[Yh`Hi f\_Ymg/ ei ch/`]b`: `cf]XU`HUI K UhWX/ \$' - /g &\$&) `fYdcfh`dfca dh`gWfi h]bm`cZ`gdYbX]b[`dfUWh]WYg"



9gWUa V]U'7ci b hmž: `cf]XU'!': `cf]XU'HUI K UHWA `i bj Y]`YX`]hg a i WA!Ubh]W]dUhYX'&\$&) `6i X[Yh'Hi f\_Ym'K UHWA `FYdcfhž'g\]b]b[`U gdch`][\h`cb`ei Ygh]cbUV`Y'gdYbX]b[`dfUWh]WYg`]b`h\Y'ghUhY g Vi X[Yh''K]h\`U'ghU[[Yf]b[`: M&\$&)!&\* `Vi X[Yh`cZ`` %%) "%`V]``]cbž h\Y`fYdcfh`fYj YU`g`h\Uh'&(&`Uddfcdf]Uh]cbg hchU``]b[`` (%\* "% a ]``]cb UfY`VY]b[``UVY`YX`Ug` 6i X[Yh'Hi f\_Ymg" `H\]g`XYg][bUh]cb ]g`fYgYfj YX`Zcf`]hYa g`h\Uh'Zci h`hfUX]h]cbU``Vi X[Yh'dfcWYXi fYg`cf g\_]fh'di V`]WgWfi h]bm''Mci `a ][\h`Ug\_ž'k \Uh g`h\Y'g][b]Z]WUbWY`cZ`U`` h\]g3`H\Y`U]a `]g`g]a d`Y.`hc`dfca chY`cj Yfg][\hž`]bhY[f]hmž`UbX hfUbgdUfYbWn`]b`ghUhY`gdYbX]b["`=b`U`h]a Y`k \Yb`Yj Yfm`Xc``Uf Wci bhgž'h\]g`fYdcfh`XcYg`U`[ccX`XYU``cZ'\YUj m``]Zh]b[`Zcf

## 6fcUXYf<sup>\*</sup>7cbhYlh<sup>\*</sup>UbX<sup>\*</sup>=a d`]WUh]cbg

9UWX cZh\YgY'dfcYWhg']g'bck i bXYf'h\Y'a ]WfcgWcdYžUg'h\Ym fU]gY'WcbWYfbg'UVci h'h\Y'df]cf]h]nUh]cbž'dchYbh]U``a ]gU``cWUh]cbž UbX'cj YfU```bYWYgg]hm'k ]h\]b'h\Y'Vi X[Yh"'H\Y'Uj YfU[Y'`Y[]g`Uhcf ]g'4 [[`]b['UVci h'%\$'dfcYWhgž'k]h\'Ub'Uj YfU[Y'j U`i Y'cZ'` %+ a ]``]cbž'Vi h'h\Y'X]gdUf]h]Yg`]b'dfcYWh'X]ghf]Vi h]cb'Ua cb[ `Uk a U\_Yfg'UfY'[`Uf]b["'Gca Y'fYUd'h\Y'VYbYZ]hg'cZ'ZUf'a cfY Zi bX]b['h\Ub'ch\Yfgž'dfca dh]b['X]gWi gg]cbg'UVci h'ZU]fbYgg'UbX ghfUhY[]WhUf[Yh]b['cZ'qhUhY'Z bXg"

- : Ua ]`m`5fhg`9Xi WUh]cb`9I dUbg]cb`Uh`DYbgUWc`U`@]hh`Y H\YUhYf.`` \* ( \* ž\$\$\$
- < ]ghc f]WDY b gUWc `U. `` %&) ž\$ \$ \$
- < YU`h\ `HfUbg`Uh]cbU``FYgYUfW\ `=bgh]hi hY ': UW]`]hm `%ž\* \* + ž(\$\$

5a cb[`h\Y``cWU``\][\`][\hgž'h\fYY`ghUhY`Uddfcdf]Uh]cbg`]b 9gWUa V]U`7ci bhm`\Uj Y`WUi [\h`h\Y`YmY`cZ': `cf]XU`HUI K UhW\" H\YgY`Uddfcdf]Uh]cbgž`WUhY[cf]nYX`Ug`6i X[Yh`Hi f\_Ymgž'UfY.

# @cWU``<][\`][\hg.`9gWUaV]U`7cibhmg`6iX[Yh Hif\_Ymg

H\Y'fYdcfh']gb h'f gh'dc]bh]b['Z]b[Yfg/']h'gYfj Yg'Ug'U'WUf]cb'WU``hc cZZ]W]U`gž'i f[]b['; cj Yfbcf'Fcb'8YGUbh]g'hc'hU\_Y'U'WcgYf'`cc\_'Uh h\YgY'YUfa Uf\_g'Zcf'dchYbh]U`'j YhcYg"'5a ]X'h\Y'cb[c]b['Vi X[Yh X]gW'gg]cbgž']hg'Wfi W]U`'h\Uh'Wf]h]WU`'fYgci fWYg'Xcb h'j Ub]g\']bhc h\Y'WfUW\_g'cZ']bYZZ]W]YbWm"'5XX]h]cbU``mž']h'ZU[g'Ub']a dfYgg]j Y `+--") 'a ]``]cb']b'gdYbX]b['h\Uh'i bXci VhYX`mXYgYfj Yg'WcgYf gWfi h]bm"'5a cb['h\Y'j Uf]ci g'gdYbX]b['dchgž'i b]j Yfg]hm Wcbghfi Wh]cb'dfc'YWhg'\Uj Y'fU]gYX'YmYVfck gž'k ]h\'%, ']hYa gž k cfh\'U'Wca V]bYX'hchU`'cZ'' %' ("' 'a ]``]cbž'ZU]`]b['hc'a U\_Y']h'cbhc h\Y'6cUfX'cZ'; cj Yfbcfg 'df]cf]h]nYX'`]gh"

WcbgW]Ybh]cig`hUldUmYfg"

### : cf'a cfY']bZcfa Uh]cbž'mci 'WUb'fYUX'h\Y'Zi ```fYdcfhg'Zfca '<mark>Bcfh</mark>\ 9gWUa V]Už: `cf]XU`Dc`]h]WgžUbX: `cf]XU`HUI K UhWX"

### adYbX]b[ dfUWh]Wg"

 $K = h \cdot U \cdot Y m Y g \cdot c b \cdot HU \cdot U \cdot U g g Y Y z \cdot h \cdot Y \cdot Z U g W b U h b [ h c \cdot g Y Y \cdot h c k h \cdot Y g Y \cdot h c + h \cdot Y g Y \cdot h + h \cdot Y \cdot$ fYjY`Uh]cbg`g\UdY`X]gW gg]cbg`[c]b[`Zcfk UfX`UbX`k \Yh\Yf UWWcibhUV]`]hm'k]``fY][b'qidfYaY']b'h\Y'Gibg\]bY'GhUhY g

#### h\Y]f<sup>·</sup>[cj Yfba Ybh"

5g<sup>c</sup>h\Y<sup>c</sup>Wca a i b]hm<sup>c</sup>dfcW<sup>c</sup>ggYg<sup>c</sup>h\YgY<sup>c</sup>Z]bX]b[gžfYg]XYbhg<sup>c</sup>UfY<sup>c</sup>YZh<sup>c</sup>hc dcbXYf. \ck 'g\ci `X hUI dUmYf'Z bXg'hfi `m'VY'a UbU[ YX3': `cf]XU HUIK UhWXžk]h\`]hg`\]ghcfm`cZ`cZZYf]b[`]bXYdYbXYbh`Z]bUbW]U` cjYfg][\h`g]bWY`%-, 'ž`Wcbh]biYg`hc`UXjcWUhY`Zcf`hfUbgdUfYbh`UbX UWWci bhUV`Y`Vi X[Yh]b["'6f]b[]b[']qqi Yg``]\_Y`h\]q`]bhc`h\Y`di V`]W X]qWci fqY'qYfj Yq'hc'Ya dck Yf': `cf]X]Ubg'UbX'XYa UbX'VYhhYf'Zfca

#### ]ffY[i`Uf]h]Yg"

AcfYcjYfžU'hfciV`]b['hfYbX'YaYf[Yg'k]h\'%(('`cWU` hfUbgdcfhUh]cb'dfcYWhgžUacibh]b['hc'bYUf`m``&%\$"- 'a ]``]cbž VY]b[ 'Zi bXYX'ci hg]XY'cZ'Wca dfY\Ybg]j Y'ghUhY']bZfUghfi Whi fY d`Ubb]b["'Hc'UXX'qU`h'hc'h\Y'k ci bXž'jYhYX'W`hi fU`'UbX'\]qhcf]W [fUbhg`\UjY`hU\_Yb`U`Wh`cZ``%%"\*`a]``]cbžZibbY`YX`]bghYUX`hc ibfUb\_YX`ZUWj`]h]Yg"':fca ``cWU``dUf\_g`hc`Wc``Y[Y`WcbghfiWh]cbž'h\]g Vi X[Yh'gYUgcb'\Ug'gh]ffYX'i d'U'\cfbYhg'bYgh'cZ'Y[]g`Uh]j Y

K \Uh'XcYg']h'U```a YUb'Zcf'h\Y'`Uf[Yf'd]Whi fY3'H\Y': M&\$&)!&\* ViX[Yhi]gbchi'i gh'U`\cX[YdcX[YcZ'Uddfcdf]Uh]cbg ]hfYZYWhg h Y'ghUhY g'df]cf]h]Yg'UbX'h Y'Z]gWU`'VY Uj ]cfg'cZ']hg'`YUXYfg ]d": `cf]XU'HUI K UhW\ Ya d\Ug]nYg'h\Y'bYYX'Zcf'gmghYa Uh]WfYj ]Yk g  $UbX^{U}qY^{Wh}cb^{d}fcWy^{h}qh^{h}h^{i}d^{c}Xq^{U}Wh^{i}bh^{J}h^{H}S^{W}fh^{W}$ `cc\_`Uh``cWU``hfUbgdcfhUh]cbžW/`hifU``dfcYWhgžUbX``Uk YbZcfWYa Ybhi bXYfqWcfYg'h\Y'W\UfUWhYf'cZ'h\Y'qdYbX]b['W\c]WYg VY]b[ 'a UXY"'JUgh'gi a g ~ ( \* %") 'a ]``]cb'Zcf'k UhYf'ei U`]hm ]a dfci Ya YbhgʻUʻcbY UfYʻZlbY!hi bYXʻhcʻqdYWlZlW`cWU``XYa UbXq VihcZhYb'Uh'h\Y'YIdYbqY'cZ'WcadYh]h]jY']bhY[f]hm"

8YhU]`g	
Cfh	9gWUa V]U'7ci bhmž:`cf]XU
EiY``Yb	• k k k "bcfh\YgWUa V]U"Wca
	<ul> <li>Z`cf]XUdc`]h]Wg"Wca</li> </ul>
	<ul> <li>Z`cf]XUhUI k UhWX "cf[</li> </ul>

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