

**MODL5100** 

FYgYUfWX`UbX`H\Ycf]Yg`cZ`HfUbg`Uh]cb`UbX`+bhYfdfYh]b[



# 7ci fgY<sup>·</sup>Cj Yfj ]Yk

## `GHJZZ`7cbHJWh`8YHJ]`g`

'7cbj Ybcfg'



## 5ggYgga Ybh

- Hc 'dfYdUfY 'Zcf'5ggYgga Ybłg'%UbX'' ž'd'YUgY 'UłłłYbX'Uh'YUghcbY'k cf\_g\cd'UbX'cbY'cbY!cb!cbY
  Wcbgi `Huhcb'cb'UWUXYa ]Wk f]h]b[ 'UhłkY'I BGK '@YUfb]b[ '7 YbłfY. <u>\htd.#k k k "`Wi bgk "YXi "Ui #</u>
- 5a Yf]WUb DgmWkc`c[]WU`5ggcW]Uh]cb f5D5ŁfYZYfYbW]b[`]g'i gYX`]b U``UggYgga Ybhg']b h\]g
  Wci fgY. <u>\htd.##gh XYbh'i bgk "YXi "Ui #JdU</u>

## 5ggYgga YbhHUg\_g

5ggYgga Ybh'HJg_	K Y][∖h	8iY`8UHY	GhiXYbhï@YUfb]b[ CihWcaYgʻ5ggYggYX
@]tYfUhifY`fYj]Yk`	(\$1	&&#\$'#&\$%-`\$(.\$\$`DA</td><td>%ž&Ž</td></tr><tr><td>A ccX`Y'ei ]n'</td><td>&\$1</td><td>\$, #\$(#&\$%-`\$%\$\$`DA</td><td>%ž&ž(</td></tr><tr><td>HfUbg`Uh]cb`fYgYUfW\`dfc≁Whi</td><td>(\$1</td><td>&*<i>#</i>\$(#&\$%-`\$(.\$\$`DA</td><td>%ž&ž(</td></tr></tbody></table>	

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% @]hYfUh fY fYj ]Yk

GHUFHXWHY.Bch5dd`]WUV`Y

@Yb[h\.`&ž\$\$\$`hc`&ž)\$\$`kcfXg

8YHU]`g. `Ghi XYbhg`k f]hY`U`&ž\$\$\$`hc`&ž) \$\$`k cfX``]hYfUhi fY`fYj]Yk `cZfYgYUfW\`cb`&b`]bfYfdfYh]b[ fYh]b[ hto]]p"/iCci a ¿Suh]m`indfaht/bvZéYXWUVU<u>/t</u>]geolfcjf)/éYĕ`dbbha\cfKj]Ys.`kp]h\o]bXi]jd)/é d``Ub\Xi[fchi e!Vble;YXicefWi with indix ZYYXVUW\_]b`hi hcf]U`g"

Gi Va ]gg]cb`bchYg.D`YUgY`gYY`A ccX`Y`Zcf`h\Y`]bghfi Wj]cbgžfYgci fWYgžUbX`a Uf\_]b[`Wf]hYf]U%cf`h\]g UggYgga Ybh

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hhYX`h\fci [\`Hi fb]h]b`UbX`] a ]'

#### GHJfhXUHY. Bch5dd`]WUV`Y

@Yb[h\.`&ž\$\$\$`hc`&ž)\$\$`k cfXg

8YHJ]`g. '5 '&ž\$\$\$ 'hc '&ž) \$\$ 'k cfX'dfc YWiWcbHJ]b]b[ 'U'Wf]h]WU``UbU`mg]g`cZU'dfcj ]XYX'HUbg`Uh]cb'UbX`U W\cgYb'HfUbg`Uh]cb"Gi a a Uh]j Y`k f]hhYb'ZYYXVUW\_`]g`dfcj ]XYX'i g]b[ 'U'fi Vf]Wk ]h\`]bX]j ]Xi U``UbX`[ fci d! VUgYX'cfU``ZYYXVUW\_`dfcj ]XYX']b`h hcf]U`g"

**Gi Va ]gg]cb`bchYg**.D`YUgY`gYY`A ccX`Y`Zcf`h\Y`]bghfi WgcbgžfYgci fWYgžUbX`a Uf\_]b[``Wf]hYf]U`Zcf`h\]g UggYgga Ybh'

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hhYX`h\fci [\`Hi fb]h]b`UbX`gh XYbhg`WUb`gYY`Hi fb]h]b`g]a ]`Uf]hm fYdcfng"



## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

### Hi fb]h]b Gi Va ]gg]cb

#mci YbWci bHYf'U'dfcV'Ya 'k \Yb'UHYa dhjb[ 'hc'gi Va ]hmci f'Ugg][ ba YbhH\fci [ \ 'Hi fb]hjbž'd'YUgY HY'Yd\cbY'9I HYfbU'`Gi ddcfhcb'- ' , ) '' ' '%cf'Ya U]`'h\Ya 'cb'YI HYfbU'HY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUfŁ"'#mci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h.'Hi fb]hjb'mci 'a UmUdd`mZcf'Ub'YI HYbg]cbž'Vi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I HYfbU'`Gi ddcfhfU'cb[ 'k ]h.'Ubmch\Yf'fY'Yj UbhXcW a YbhgE'hc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhimci f'YI HYbg]cb'Udd`]WUh]cb"'#mci 'Ya U]`'9I HYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZWU``mUg\_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj ]XYg'i dXUHYg'cb'h\Y]f'gmgHYa 'gfUhi g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhHUg\_g'a i ghVY'gi Va ]HHXXYYWYfcb]WU``mj ]U'Y]H\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh''=b`]bgHUbWYg'k \YfY'H\]g']g'bchdcgg]V`Yž']hk ]``VY'gHUHYX'cb'mci f'Wci fgY'g'A ccX`Y'g]HY'k ]H\ U`HYfbUh]j Y'gi Va ]gg]cb'XYHU]`g''

: cf`]bZcfa Uh]cb`cb`\ck `hc`gi Va ]hUgg][ ba Ybhg`cb`]bY`j ]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccX`Y

### 5WUXYa ]W<cbYghmUbX^D`U[ ]Uf]ga

D`U[]Uf]ga `]g`i g]b[`h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[`h\Ya `Ug`mci f`ck b"`=hWUb`hU\_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b[`hc`UWW]XYbhU``mWcdm]b[`Zca `U`gci fWY`k]h\ci hUW\_bck `YX[Ya Ybh'

IBGK '[fcidg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck]b['WUhY[cf]Yg.

7 cdm]b[..i g]b['h\Y`gUa Y`cf`j Yfmig]a ]`Uf`k cfXg`hc`h\Y`cf][]bU``hYI h`cf`]XYU`k ]h\ci hUW\_bck `YX[]b['h\Y gci fWY`cf`i g]b['ei chUh]cb`a Uf\_g"`H\]g`U`gc`Udd`]Yg`hc`]a U[Ygž`Ufh`UbX`XYg][b`dfc`YWngž`Ug`k Y```Ug dfYgYbhUh]cbg`k \YfY`gca YcbY`dfYgYbhg`Ubch\Yf`g`]XYUg`cf`k cfXg`k]h\ci hWfYX]h"

■Uddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi Whi fY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`ž`UbX`]bZcfa Uh]cb`k]h\ci hUW\_bck`YX[Ya Ybh'H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf\*g`]XYUg`cf`k cfXg`k]h\ci hWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf`ei chYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k \c`Yžk]h\ci hUddfcdf]UhY`fYZYfYbW]b["

7 c``i g]cb. 'k cf\_]b[ 'k ]h 'ch Yfg'Vi hdUgg]b[ 'cZh Y'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'hc'Ubch Yf'gh XYbhVYZcfY'h Y'Xi Y'XUhYžcf'Zcf'h Y'di fdcgY'cZh Ya d`U[ ]Uf]g]b[ 'UhUbmh]a Yž'dUm]b[ 'Ubch Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_žghYU`]b[ 'cf'UVéi ]f]b[ Ubch Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[ ']hž'cZYf]b[ 'hc'Wca d`YhY'Ubch Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d`Yh]b[ 'UWUXYa ]Wk cf\_"

=bUddfcdf]UhY`W]hUh]cb.`7]h]b[`gcifWYg`k\]W\`\UjY`bchVYYb`fYUXžk]h\cihUW\_bck`YX[]b[`h\Y`~gYWcbXUfm~ gcifWY`Zfca`k\]W\`\_bck`YX[YcZh\Ya`\Ug`VYYb`cVhU]bYX"

8id`]WUh]cbffigY`Zd`U[]Uf]ga "Łigi Va]hh]b[imcifick bik cf\_ži]bik \ciYicfi]bidUfhžik \YfYi]h\UgidfYj]cigim VYYbidfYdUfYXicfigi Va]hhYXiZcfiUbch\YfiUggYggaYbhicfiWcifgYiUhi BGK icfiUbch\Yfib]jYfg]hm"

7 cffYWhfYZYfYbWjb[dfUWfjWYg.

- DUfUd\fUg]b[žigi a a Uf]g]b[žiYggUmk f]h]b[iUbXih]a Yia UbU[Ya Ybh
- 5ddfcdf]UhY i gY cZUbX Uhtf]Vi h]cb Zcf U fUb[Y cZa UhYf]U g ]bWi X]b[ 'hYl hž]a U[Ygž Zcfa i `UY UbX WcbWYdhg"

i bXYfgHUbX\*mci f\*f][\hg\*UbX\*fYgdcbg]V]`]h]Yg\*Ug\*U\*gh XYbhUhI BGK