

# **MODL5100**

FYgYUfWX`UbX`H\Ycf]Yg`cZHfUbg`Uh]cb`UbX`±bhYfdfYh]b[

HYfa 'C bY''##'&\$&%

### 7ci fgY'Cj Yfj ]Yk

### GHJZ7cbHJWh8YHJ]`g

#### 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`] <b>m</b>	@cWUh]cb	D\cbY
GUbXfU`< U`Y	g"\U`Y4 i bgk "YXi "Ui	6m'Uddc]bha Ybh'Vm Ya U]`		
@cb[	`cb[ "`]4 i bgk "YXi "Ui	6mUddc]bha YbhVm Ya U]`		

#### @YWhi fYfg

B Ua Y	9a U]`	5j U]`UV]`]lm	@cWUhjcb	D\cbY
GUbXfU'< U'Y	g"\U`Y4 i bgk "YXi "Ui			
@cb[ '@]	`cb[ "`]4 i bgk "YXi "Ui			

#### Hi hcfg

B Ua Y	9a U]`	5j U]`UV]`] <b>m</b>	@cWUh]cb	D\cbY
A Uf[ chGY`][ a Ubb	\U`4 i bgk "YXi "Ui	6miUddc]bha Ybh		
@cb[	`cb[ "`]4 i bgk "YXi "Ui			

#### GWXcc`7cbHJWh = bZcfa Uh]cb

GWkcc``cZ<iaUb]h]Yg'UbX'@Ub[iU[Yg

@c\\U||cb. G\\cc``C\\Z|\\\ž\Acfj\b'6fck\b'6i]\X]b[\z'@\j\Y``&z'&),

CdYb]b[ '<ci fg. 'A cbXUm! ': f]XUmž'- Ua '!') da

D\cbY. 'Ž\*%'&'-',)'%\*,%

: UI . 'Ž \* %'&'-' , ) ', +\$)

9a U]`.'\<u>U`4 i bgk "YXi "Ui</u>

### 7ci fgY 8YHJ] g

7 fYX]hDc]bhg\*\*

#### Gi a a UfmcZh\Y 7ci fgY

H\]g`Wci fgY`dfcj ]XYg`h\YcfYh]WU``UbX`fYgYUfW\!Xf]j Yb`Zci bXUh]cbg`UbX`df]bW]d`Yg`h\Uhi bXYfd]b`h\Y dfcZYgg]cbU``dfUWf]WW`cZhfUbg`Uh]cb`UbX`]bhYfdfYh]b[ ""Nci 'k ]```XYj Y`cd`U`gci bX`i bXYfgHUbX]b[ 'cZh\Y`a U]bh\Ycf]Yg`cZhfUbg`Uh]cb`UbX`]bhYfdfYh]b[ 'Ug`k Y```Ug`Yh\]WU``fYei ]fYa Ybhg`Zcf`dfcZYgg]cbU``HfUbg`Uhcfg`UbX ]bhYfdfYhYfg"' \div U`gc`]bhfcXi WYg`mci 'hc`WcbhYa dcfUfm]bhYfX]gW]d`]bUfmfYgYUfW\ cb`HfUbg`Uh]cb`UbX ]bhYfdfYh]b[ 'Zfca 'k \]W\"mci 'k ]``XYj Y`cd'Ub`UV]`]hmhc`Udd`mih\Y`h\Ycf]Ygz'df]bW]d`Yg`UbX`fYgYUfW\`Z]bX]b[ g hc``mci f`dfUWf]WYz`WcbXi Wh]bXYdYbXYbhYbei ]fmUbX`a U\_Y`]bZcfa YX`W\c]WYg`]b`h\Y`dfcWYgg`cZhfUbg`Uh]cb UbX`]bhYfdfYh]b[ ""

#### 7ci fgY @YUfb]b[ 'Ci hWca Yg

%" Wf]njei Y`WcbhYa dcfUfmirfUbg`Uhjcb`UbX`]bhYfdfYnjb[ 'h\Ycf]YgžfYgYUfW\`UbX`dfcZYgg]cbU``Yh\]Wg &" Udd`mirfUbg`Uhjcb`UbX`]bhYfdfYnjb[ 'h\Ycf]Yg`UbX`fYgYUfW\`rc`dfUWj\W\`VmWcbXi Wfjb[ ']bXYdYbXYbh Ybei ]fmUbX`a U\_]b[ ']bZcfa YX`XYWq]cbg`VUqYX`cb`h\YcfmUbX`Yj ]XYbW\

## 5ggYgga Ybh

 $\begin{tabular}{ll} Gi Va ] gg]cb bch'g. `D`YUgY`gYY`A ccX`Y`Zcf'h\Y`]bghfi Wh]cbgž'fYgci fW'gž'UbX`a Uf_]b[``Wf]hYf]U`Zcf'h\]g UggYgga Ybh'$ 

Hi fb]hjb gYhjb[. H\]g ]g bchU Hi fb]hjb Ugg][ ba Ybh

5ggYgga Ybh' . HfUbg`Uh]cb fYgYUfW dfc YWh

GhUfhiXUhY. % #\$(#&\$&%`%%\$\$ 5A

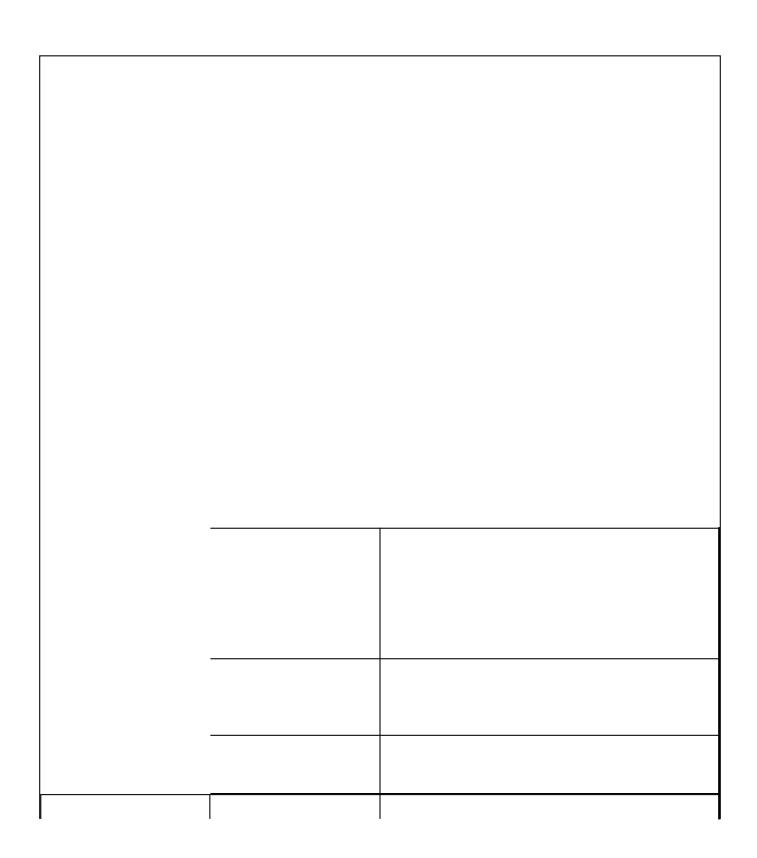
@Yb[h\. &ž\$\$\$ hc &ž) \$\$ k cfXg

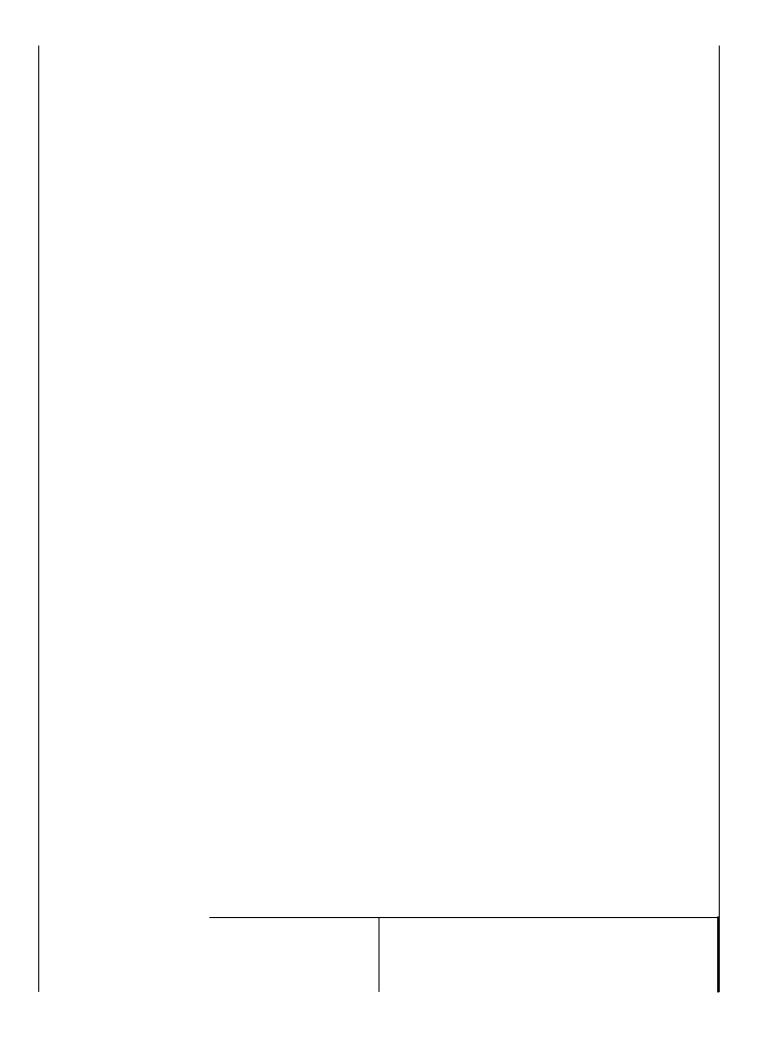
8 YW] g.

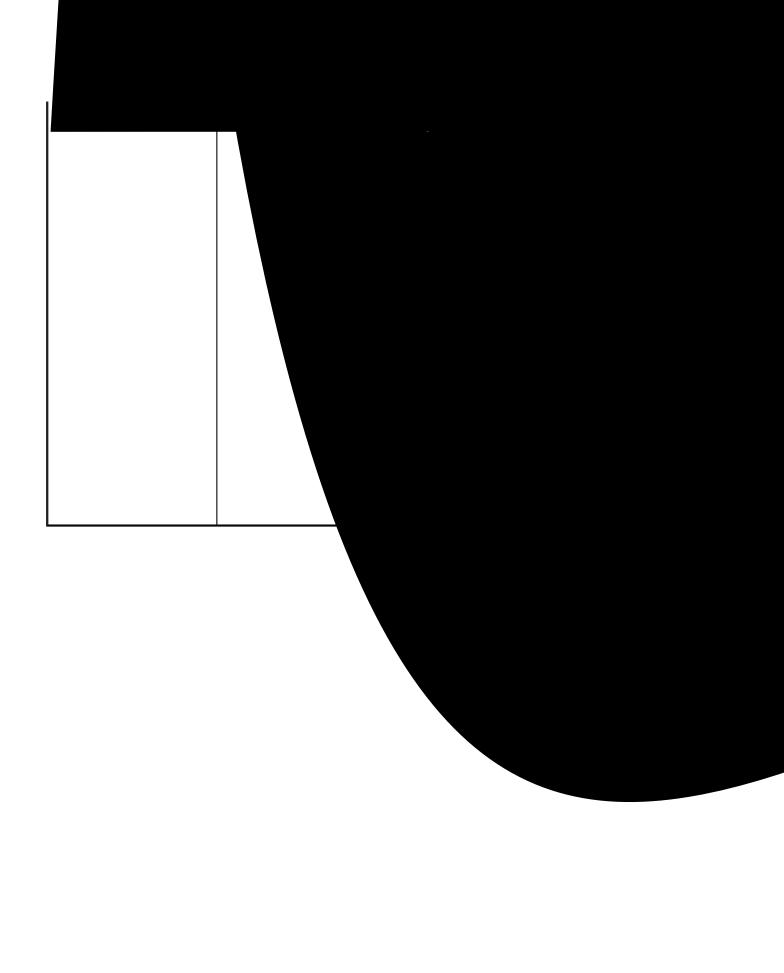
Gi a a Uhjj Y'k f]hhYb'ZYYXVUW\_']g'dfcj ]XYX'i g]b[ 'U'fi Vf]Wk ]h\']bX]j ]Xi U`'UbX'[ fci d!VUgYX'cfU`'ZYYXVUW\_dfcj ]XYX']b'hi hcf]U'g''

**Gi Va ]gg]cb bch/g.** 'D`YUgY 'gYY 'A ccX`Y 'Zcf'h\Y ']bghfi Wh]cbgž'fYgci fW/gž'UbX 'a Uf\_]b[ 'Wf]hYf]U 'Zcf'h\]g UggYgga Ybh'

 $\label{thm:continuous} \begin{tabular}{ll} Hi & fb \end{tabular} $$ Hi & fb \end{tabular} $$ h' \end{tabular} $$ I' \end{tabular} $$ Hi & fb \end{tabular} $$ h' \end{tabular} $$ I' \en$ 







F Ygci fWYg

DfYgWf]VYX F Ygci fWYg

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g Hi fb]h]b Gi Va ]gg]cb

-Zmci 'YbWci bhYf'U'dfcV`Ya 'k \Yb'UhhYa dh]b[ 'hc'gi Va ]hmci f'Ugg][ ba Ybhh\fci [ \'Hi fb]h]bž'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 5WUXYa]W<cbYghmUbXD`U[]Uf]ga

- i bXYfgfUbX mci f'f][\hg'UbX'fYgdcbg]V]`]hJYg'Ug'U'gh XYbhUhl BGK
- VY`Uk UfY`cZd`U[]Uf]ga ž`Wcdmf][\hzil BGK `Gh XYbh7cXY`cZ7cbXi WhUbX`5VWWdhUV`Y`I gY`cZ I BGK `=\forall H`F Ygci f\W\g`Dc`]\wh
- VY 'Uk UfY 'cZh\Y 'ghUbXUfXg 'cZVY\Uj ]ci f'Yl dYWYX 'cZYj YfmcbY ']b 'h\Y 'l BGK 'Wca a i b]hm
- `cWUHY 'gYfj ]WYg'UbX ']bZcfa UH]cb'UVci hI BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh\YgY'UfYUg'k]``VY'ZJa]`]Uf'hc'mci ž'ch\Yfg'k]``VY'bYk"'; U]b]b['U'gc`]X'i bXYfgHJbX]b['cZU``h\YfY`UhYX'UgdYWng'cZ9@+69'k]``\Y`d'mci 'a U\_Y'h\Y'a cghicZmci f'ghi X]Yg'UhI BGK "'\\hd.##qi VYWfi |XYg"`]VfUfm'i bqk "YXi "Ui #\`]qY#JVci hY`]qY