

# **MDIA1000**

K cf\_]b[ 'k ]h\ 'H]a Yž'GdUWY 'UbX'9I dYf]YbWY



# 7ci fgY<sup>-</sup>Cj Yfj ]Yk

### GHJZ7cbHJWh8YHJ]`g

### 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]hm	@cWJhjcb	D\cbY
6f][]X <sup>-</sup> 7 cghY``c	Va "WcghY``c4 i bgk "YXi "Ui	D`YUgY'UffUb[Y'U a YYf]b['f]a Y'j]U Ya U]`	K 6&' %	-',)`*,\$)

### GWXcc`7cbHJWh′±bZcfa Uh]cb

GWXcc``cZfXY`5ffg`UbX`AYX]U

Fcca " ‰ž@Yj Y`" žFcVYfhK YVghYf'6i ]`X]b[ fl %(Ł

D\cbY.'f\&E'-',)'(,)\*

9a U]`. 'gUa 4 i bgk "YXi "Ui

K YVg]hY. k k k "Ufhg"i bgk "YXi "Ui #gUa

#### 5W\_bck `YX[ Ya YbhcZ7ci bhfm

I BGK '5frgž8Yg][b'UbX'5fW,]h'Wi fY'? Ybg]b[hcb'UbX'DUXX]b[hcb'Wa di gYg'UfY'Vi ]'hcb'5Vcf][]bU`@UbXg"'K Y'dUmci f'fYgdYWrg'hc'h\Y'6]X'][U''UbX'; UX][U''dYcd'Yg'k\c'UfY'h\Y'7i ghcX]Ubg'cZh\YgY'`UbXg" K Y'UW\_bck 'YX[Y'h\Y'5Vcf][]bU`'UbX'HcffYg'GHfU]h=g`UbXYf'dYcd'Ygž'h\Y': ]fgh5i ghfU`]Ubgžk\cgY'`UbXgžk]bXg'UbX'k UhYfg'k Y'U``'bck 'g\UfYž'UbX'dUmfYgdYWhc'h\Y]f'i b]ei Y'j U'i Ygž'UbX'h\Y]f'Wcbh]bi ]b['UbX'YbXi f]b['W'h fYg'k\]W\XYYdYb'UbX'Ybf]W\h\Y'`]ZY'cZci f'bUh]cb'UbX'Wca a i b]h]Yg"''

 $\label{eq:continuous} \begin{array}{ll} \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY'```cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY!7 \setminus UbWY'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY'C$ $Z_jWY'cZh}, Y'Dfc'J ]WY'C$ $Z_jWY'CAY}, Y'Dfc'J ]WY'C$ $Z_jWY'CAY}, Y'Dfc'J ]WY'C$ $Z_jWY'CAY}, Y'Dfc'J ]WY'C$ $Z_jWY'CAY}, Y$ 

# 7ci fgY 8YHJ] g

I b]hg cZ7 fYX]h \* \*

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

7 fYUlijb[ 'U'a YX]U'dfcXi Wijcb']bj c'j Yg'h\]b\_]b[ 'UVci hija Yž'k \Yh\Yf']h]g'U'g]b[ 'Y'a ca YbhWUdhi fYX']b'h]a Y cf'h\Y'a cj Ya Ybhg'cZj ]gi U`g'UbX'gci bXg'UWfcgg'ha Y"'\#i]bj c'j Yg'Wcbg]XYf]b[ 'gdUWf'UbX'h\Y'k Umih\Uh Y'Ya Ybhg'WUb'VY'Wca dcgYX'UbX''UmYfYX'UWfcgg'a i 'hjd'Y'X]a Ybg]cbg"'\#iU'gc']bj c'j Yg'dUmjb[ 'WcgY UhlYbhjcb'hc'h\Y'YI dYf]YbWf'cZmci f'Ui X]YbWf"'\#b'h\]g'\UbXglcb'dfcXi Wijcb'Wci fgYžmci 'k ]``'k cf\_'k ]h\'h]a Yž gdUWf'UbX'YI dYf]YbWf''\Ug'mci '`YUfb'UbX'dfUWj\W'\Z bXUa YbhU`'\WcbW'dhg'UbX'h\Y\\b]ei Yg'cZ[ fUd\]W XYg][ bž'Ub]a Uhjcb'UbX']bhYfUWjcb'XYg][ b"'K cf\_]b[ 'cb'WfYUhj Y'dfc'Y\wg'mci 'k ]```YUfb'glfUhY[ ]Yg'Zcf XYj Y'cd]b[ 'WcbW'dhgž'Wca a i b]\WUhjb[ ']XYUgž'gc'j ]b[ 'dfcV'Ya g'UbX']a dfcj ]b[ 'g\_]``g"'H\Y'g\_]``gž'glfUhY[ ]Ygž \WcbW'dhg'UbX'hY\\b]ei Yg'mci 'YI d'cfY']b'h\]g'\Wci fgY'k ]``'dfcj ]XY'U'gc`]X'Zci bXUhjcb'Zcf'mci f'Yj Y'`&'UbX'' G\WfYYb'UbX'Gci bX'dfcXi Whjcb'\wci fgYg"

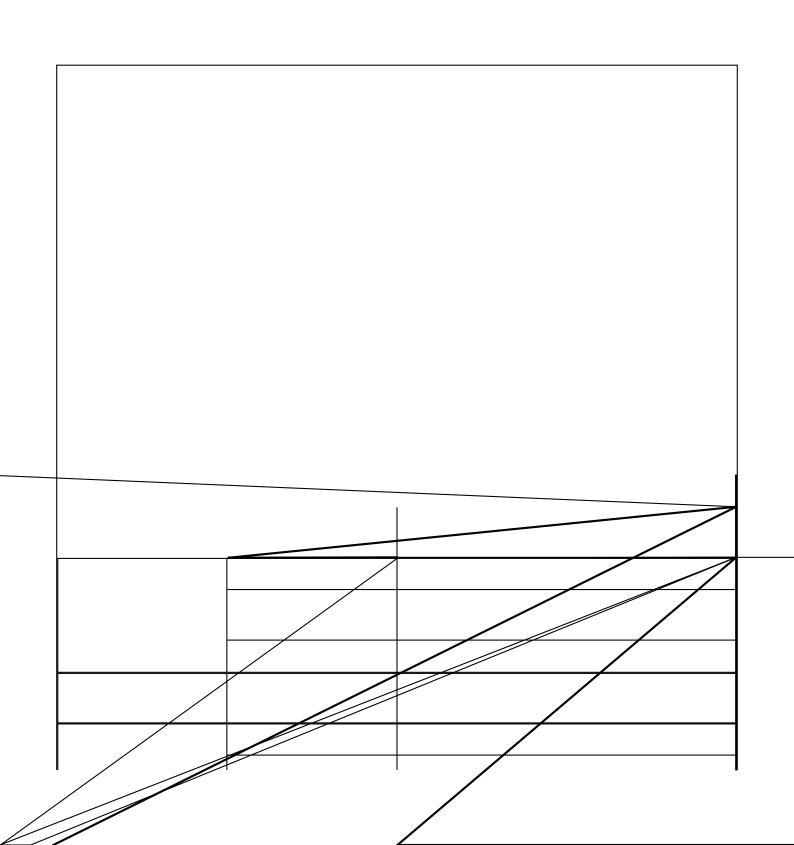
.

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

%"

# 5ggYgga Ybh

H\YfY`UfY`f\fYY`UggYgga YbhifUg\_g`fc`Wca d`YfY"`Mci `a i ghiWca d`YfY`UbX`\UbX`]b`U```f\fYY`fUg\_g`]b`cfXYf fc`dUgg`f\]g`Wci fgY"`H\]g`a YUbg`f\Uhmci `k ]```ZU]`]Zmci `Xc`bch\UbX`]b`cbY`fUg\_'Yj Yb`]Zmci `\Uj Y`U`fcfU` [fUXY`cZcj Yf`) \$`Zfca `f\Y`ch\Yf`fk c`Ugg][ ba Ybfg" GYY`f\Y`Wci fgY`k YVg]fY`cb`A ccX`Y`Zcf`Z ```Ugg][ ba YbhfUg\_'XYgWf]df]cbgža Uf\_]b[ `Wf]fYf]U`UbX`gi Va ]gg]cb



	Hi h@UV	$ \begin{array}{c} \texttt{K} \ \ cf\_]b[\ \ 'k\ ]h\ \ 'h\ Y\ 'g]a\ \ d\ 'Yghig\ \ ']dhg\ \ ']b\ \ 'h\ Y\ 'G\ \ \ '']dh \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $		
	Gh X]c	7 fYUhjb[ "U"a YUb]b[ Z ``]bhYfUWhjcb"		
K YY_', .'%Bcj Ya VYf'!	@YWhi fY	9I dYf]YbWY 8Yg][ b		
) Bcj Ya VYf	Hi h@UV	Kcf_]b['k]h\'h\Y'UXjUbWYX'gWf]dhg']b'h\Y'GWf]dh Hcc`Vcl"		
	Gh X]c	7 fYUh]b[ 'Ub 'Yb[ U[ ]b[ ']bhYfUWhjj Y 'YI dYf]YbWY"		
K YY_'', 'Bcj Ya VYf'! ‰'Bcj Ya VYf	@YWhifY	@`>VTefcVŽ6VSfXT`_df]edž		
	Hi h@UV	8 YVi [ 'gYgg]cb'Zcf'd`UmtYgh		
	Gh X]c	D`UmhYghi=bhYfUWhjj Y`Dfc^YWh'		
K YY_'%\$.'%) Bcj Ya VYf	@YWhi fY			
!'% Bcj Ya VYf				

### FYgci fWyg

### DfYgWf]VYX F Ygci fWYg

5 "Wei fgY fYgci fWyg UfY Uj U] UV Y j ]U h\Y Wei fgY k YVg]hY cb A ccX`Y"

#### FYWca a YbXYX FYgci fW/g

5 ``]ghcZfYWca a YbXYX fYgci fWgj]g'U`gc'Uj U]`UV`Y cb'h\Y'Wci fgY'k YVg]hY cb'A ccX`Y"

9@YUfb]b[ 'gi ddcfh]g'Uj U]'UV'Y'\YfY.
\hdg.##gh XYbh'i bgk "YXi "Ui #Y'YUfb]b[ '

< ck 'hc 'gYhmci fgY`Zi d 'hc 'ghi XmfYa chY`mUhI BGK ']g`\YfY.
\htdg.#k k k "a mlh'i bgk "YXi "Ui #gYfi ]WYg#ghi XYbhg# Yhtlb[!fYUXmlghi XmlfYa chY`m`</pre>

### 7ci fgY 9j U'i Uh]cb UbX 8Yj Y`cda Ybh

Ghi XYbhYj U`i Uhji Y`ZYYXVUW\_`cb`h\Y`Wci fgY`]g`[ Uh\YfYX`Yj YfmmYUf"`Ghi XYbhZYYXVUW\_`]g`hU\_Yb`gYf]ci g`mž UbX`WcbhJbi U``]a dfcj Ya Ybhg`UfY`a UXY`hc`h\Y`Wci fgY`VUgYX`]b`dUfhcb`gi W\`ZYYXVUW\_"`H\Y`Wci fgY k YVg]hY`k ]```Ubbci bWY`UbmW\Ub[ Yg`h\Uh\Uj Y`VYYb`a UXY`VUgYX`cb``UghmYUf'g`ZYYXVUW\_"

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

Image: Ybwei bhyfu'dfcv'ya k \yb'uhhya dhjb[ 'hc'gi va ]hmci f'Ugg][ ba Ybhh\fci [ \ 'Hi fb]h]bz'd'YUgY

Hy'Yd\cby'9| hy'fbu''Gi ddcfhcb'-', ) '' ' ' %cf'Ya U]''h\Ya 'cb'Y! hy'fbu'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'mYUft"'=Z'mci
UfY'i bUV'Y'hc'gi va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h\ 'Hi fb]h]b'mci 'a UmUdd'mZcf'Ub'Y! hy'bg]cbz'Vi hmci
a i ghfYhJ]b'mci f'h]W\_Yhbi a VYf'Zfca '9! hy'fbU''Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fy'Yj UbhXcW a Ybhgthc
]bWi XY'Ug'Yj ]XYbW' hc'gi ddcfhmci f'Y! hy'bg]cb'Udd']\WJh]cb"'=Zmci 'Ya U]''9! hy'fbU''Gi ddcfhmci 'k ]'`
Ui hca Uh]\WJ'`mfYW']j Y'U'h]\W\_Yhbi a VYfz'Vi h]Zmci 'hY'Yd\cbY'mci 'k ]``bYYX'hc'gdY\WZ]\WJ'`mUg\_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUhy'g'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hyf''

; YbYfU`mž'UggYgga YbhiHug\_g'a i ghVY'gi Va ]hhYX'Y`YVWfcb]\WJ``mij ]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh''=b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk ]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k ]h\U`hYfbUh]j Y'gi Va ]gg]cb'XYHJ]`g"

cfi]bZcfa Uhjcbicbi\ckihcigi Va ]hUgg][ ba Ybhgicbi]bYij ]UiA ccXiY.i\hdg.#gh XYbhi bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccXiY

# 5 WUXYa ]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"'=h\Wb'hU\_Y`a Ubm Zcfa qžZfca 'XY`]VYfUhY'W\YUh|b[ 'hc`UWW]XYbhU`mWcdm]b[ 'Zfca 'U'gci fW'k ]h\ci h'UW\_bck 'YX[ Ya Ybh'

IBGK [fcidgdu[]Uf]ga ]bhch\YZc``ck]b[WUhY[cf]Yg.

7 cdm]b[. `I g]b[ 'h\Y'gUa Y'cf'j Yfmg]a ]`Uf'k cfXg'hc'h\Y'cf][ ]bU`'hYl hcf']XYU'k ]h\ci hUW\_bck `YX[ ]b[ 'h\Y gci fW' cf'i g]b[ 'ei chUh]cb'a Uf\_g"'H\]g']bWi XYg'Wcdm]b[ 'a UhYf]U`gž']XYUg'cf'WcbW'dhg'Zfca 'U'Vcc\_ž'Ufh]WYž fYdcfhcf'ch\Yf'k f]hhYb XcW a Ybhz'dfYgYbhUh]cbž'Wca dcg]h]cbž'Uffk cf\_ž'XYg][ bž'XfUk ]b[ ž'WfW ]hfmž'Wca di hYf dfc[ fUa 'cf'gcZk UfYž'k YVg]hYž']bhYfbYhz'ch\Yf'Y`YWfcb]WfYgci fW'z'cf'Ubch\Yf'dYfgcbfg'Ugg][ ba Ybhk ]h\ci h Uddfcdf]UhY'UW\_bck `YX[ Ya Ybh''

**buddfcdf]UhY dufud\fug]b**[...7\ub[]b[...12\k...k.cfXg.UbX.d\fugYg.k.\]Y a cghmfYhJ]b]b[...h\Y.cf][]bU`]bZcfa UhJcbžghfi Wh fY UbX#cfdfc[fYgg]cb.cZ]XYUg.cZh\Y.cf][]bU`k]h\ci hUW\_bck `YX[Ya Ybh'.h\]g.U`gc Udd`]Yg.]b.dfYgYbhJhJcbg.k.\YfY.gca YcbY.dUfUd\fUgYg.Ubch\Yf'g.]XYUg.cf.k.cfXg.k.]h\ci hWfYX]h\UbX.hc d]YWJb[...hc[Yh\Yf.ei chYg.UbX.dUfUd\fUgYg.]bhc.U.bYk.k.\c`Yžk]h\ci h\Uddfcdf]UhY.fYZfYbWJb[...

7 c``i g]cb. K cf\_]b[[kk]jhhcbhhfgfgiVidhighghg]bc[Zb\Z'hh\dfk'dg\_UUbyfGd\fgd\fgd\x] j\ji]b\Xk cf\_k'] c``i zf]ca'U`gc
]b\Wi XYg'dfcj ]\X]b['mci f'k cf\_'hc'Ubch\Yf'gh XYbhZcf'h\Y'di fdcgY'cZh\Ya 'd`U[]Uf]g]b['zdUm]b['Ubch\Yf'gh XYbhZcf'h\Y'di fdcgY'cZh\Ya 'd`U[]Uf]g]b['zdUm]b['Ubch\Yf'dYfgcb'g'U\\XYa]\Wk cf\_'UbX'\&dm]b['bc'\ZYf]b['hc'\xa d`Yh\'Ubch\Yf'dYfgcb'g'k cf\_'cf'gYY\_]b['d\ma YbhZcf'\xa d`Yh\b['U\\XYa]\Wk cf\_''

**buddfcdf]uhr Wjhuhjcb.** 7 jhjb[ 'gci fwrg'k \]ww\uj Y'bchVYYb'fYUXžk jh\ci huw\_bck `YX[ ]b[ 'h\Y "gYwbbXufm" gci fwr Zfca 'k \]ww\\_bck `YX[ Y'cZh\Ya \ug'VYYb'cVhJ]bYX"

7 cffYWhfYZY& W Yj \$