

# **MERE4953**

FYgYUfW\'H\Yg]g'7

HYfa "Hk c"#"&\$&%

## 7ci fgY'Cj Yfj ]Yk

## GHJZ:7cbHJWh:8YHJ]`g

### 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]lm	@cWJhjcb	D\cbY
7 Uf`]rc 'HUVY`]b	_		C`X'AU]b 6i ]`X]b[ <i>ž'@</i> Yj Y` %Fcca'%) - 7	Ž*%'f&Ł'-',) +-(*
M `>]b[	mi"']b[4 i bgk"YXi"Ui		F cca '&% ž HmfYY'9bYf[ m HYVX.bc`c[ ]Yg 6i ]`X]b[ '?!<*	Ž*% &!-',) \$+,-

#### Hi hcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWJhjcb	D\cbY
NU_\Uf <sup>*</sup> @UbYfW	n"`UbYHW4 i bgk "YXi "Ui	J ]UʻHYUa gž'9a U]`cf D\cbY	HmfYY'9bYf[m HYW\bc`c[mi?! <*'&*%K G\$%	\$(*,(&,++,

#### GWXcc`7cbHJWhi±bZcfa Uh]cb

GW.cc`cZA]bYfU`g'UbX'9bYf[mFYgcifWygC`X'AU]b'6i]`X]b[ž@YjY`'%ž%)-'fP%)Ł IBGK 'GM8B9MBGK'&\$)&5IGHF5@=5

#### 9b[]bYYf]b['Gh XYbhGYfi]\\g'

9. a YfY"hYUW ]b[4 i bgk "YXi "Ui

K . 'k k k "Yb[]bYYf]b["i bgk "YXi "Ui #a ]bYfU`g!YbYf[mfYgci fWyg

7ci fgY<sup>.</sup>8YHJ]`g

#### HYUWX]b[ 'GhfUhY[]Yg'

H\Y`Wci fgY`]g`HJi [\hiUg`Ub`]bX]j ]Xi U``fYgYUfW\`dfc`YWfz`hc`XYj Y`cd`U``Yj Y``cZfYgYUfW\`g\_]``g`UbX Ui hcbca m'

#### Df]j UhY Ghi Xm

5g'U'fci [\'[i]XY'cb`mž'Ub'Uj YfU[Y'ghi XYbhik ci `X'VY'YI dYWYX'hc 'gdYbX'Uddfcl]a UhY`m'%\$'\ci fg'dYf k YY\_'cb'k cf\_'fY`UhYX'hc'h\]g'Wci fgY"'A cfY'[i]XUbWY']g'bYYXYX']b]h]U``m'Zfca 'h\Y'gi dYfj ]gcf'k \Yb'h\Y'hcd]W ]g'VY]b[ 'XYZ]bYX'hc'YghUV`]g\'h\Y'cV'YWfj Yg'UbX'a Yh\cxc`c[mcZh\Y'h\Yg]g"

#### Gi dYfj ]g]cb

H\YfY`UfY`bc`gdYW]Z]W\ci fg`Ugg][ bYX`rc`r\]g`Wci fgY"`A YYr]b[ g`VYrk YYb`r\Y`gi dYfj ]gcffg\L'UbX`r\Y`gh XYbh a UmrU\_Y`d`UWr`dYf]cX]\U``mcf`Vmdf]j UhY`UffUb[ Ya Ybh'`G\ci `X`gi dYfj ]gcfg`VY`cb`gh Xm`YUj Y`cf i bUj U]`UV`Y`Zcf`U`Wcbg]XYfUV`Y`dYf]cX`cZh\Y`gYgg]cbz`U`hYfbUh]j Y`UffUb[ Ya Ybhg`bYYX`rc`VY`YghUV`]g\YX UbX`a UXY`\_bck b`rc`Vch\`r\Y`gh XYbh'UbX`wci fgY`WccfX]bUrcf"

#### 7 cbgi `HJh]cb

 $H\Y'Wci fgY'Wcbj Ybcf'UbX'hi hcfg'k ]```VY'Uj U]`UV'Y'j ]U'A ]WfcgcZhHYUa g'hc``]U]gY'k ]h\'Ybfc``YX'ghi XYbhg'Ug bYYXYX''$ 

# 5ggYgga Ybh

## 5ggYgga Ybh HUg\_g

5ggYgga Ybh'HJg_	K Y][ \h	8i Y'8UHY	Gh XYbh@YUfb]b[ CihWca Yg 5ggYggYX
: ]bU`H\Yg]g`	*\$1	\$*#\$, #&\$&%`%%) - `DA	%ž'&ž'' ž'(ž')
DUff]MjdUfjcb A Uf_	) ।	Bch5dd`]WUV`Y	%ž'&ž' ž'( ž')
F YgYUfWX 'DfYgYbHJhjcb'	%) ၊	\$*#\$, #&\$&%`%%) - `DA	%ž'&ž' ž'(ž')
H\Yg]g'5'A Uf_'	%\$I	Bch5dd`]WUV`Y	
H\Yg]g`6`A Uf_`	%\$I	Bch5dd`]WUV`Y	

5ggYgga Ybh'8YHJ]`g

5ggYgga Ybh'% : ]bU`H\Yg]g

 $\textbf{GhUfhXUhY}. \ \texttt{Bch5dd']WUV'Y}$ 

8YHJ]`g.

H\Y': ]bU``H\Yg] vebhJ]bg d`Wta di'M'h\Ygg`flcfa Uhjb[ `UbX`YI Ya d`Ufg`zci bX`cb`A ]WfcgcZnHYUa gt"`H\Y H\Yg]g`g\ci `X`]t Wi XY.

	YI hYbX]b[ 'YI ]gh]b[ 'cbYg']bhc'bYk 'UfYUg"'	
DfYgYbhJhjcb	H\Y'g`]XY'ghfi WhifY'UbX``Umci hig\ci `X'VY'WYUf'UbX``c[]\WJ`"	(\$1
	: ][ifYg'g\ci`X'VY'WYUfž'Y[]V'Y'UbX'fY`UhY'hc'h\Y'dc]bhUh	
	\UbX"	

Gi Va ]gg]cb bchYg. Gi Va ]gg]cb j ]U HYUa g

Hi fb]h]b gYh]b[. H\]g ]g bchU Hi fb]h]b Ugg][ ba Ybh

5ggYgga Ybh (. H\Yg]g 5 A Uf\_

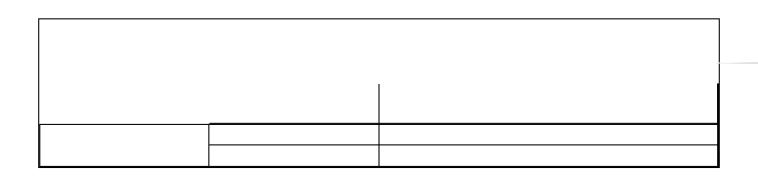
GhUfhXUhY. Bch5dd`]WUV`Y

8YHJ]`g.H\Y`a Uf\_'Zfca 'H\Yg]g'5 k cf\_

5ggYgga Ybh). H\Yg]g 6 A Uf\_

GHJfhXUhY. Bch5dd`]WUV`Y

8YHJ]`g.H\Y`cj YfU```a Uf\_'Zfca 'H\Yg]g'6



# Fygci fWyg

## DfYgWf]VYX F Ygci fWYg

Ghi XYbhgʻUfYʻYl dYWhYXʻhc.

- FYUX hcd]Wa UhYf]U``dfcj ]XYX Vmih\Y]f`gi dYfj ]gcfj
- FYUX'a UlYf]U`g`dfcj ]XYX`VmWti fgY`WtcfX]bÜlhcfz`]bWi X]b[`fi V]Wgz`Zcfa UlHjb[`[i ]XYg`UbX YI Ya d`Ufg"

•

9i fcdYUb~5ggcWJUhjcb~cZ; YcgWJYbhjghg/ YU[Y"cf[\_

9b[]bYYfg

DYlfc`Yi a '9I d`cfUl]cb'GcW]YlmicZ5i glfU`]U <u>dYgU"Wta "Ui</u>

GcW/YmcZ9IdcfUh/cb; Ycdmg/W/ghg gY["cf[

GcW]YlmcZDYlfc`Yi a '9b[]bYYfg'fGD9Ł gdY"cf[\_

GcWJYhmicZDYhfcd\mg]WJghg:/ "K Y```@c[ '5bU`mghg' gdk `U"cf[\_

; YcgWJYbWY '5i glfU`]U [<u>U"[cj "Ui</u>

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

: YYXVUW\_`Zfca 'ghi XYbhg']b'k Y`Wca YXž'UbX']g'i gYX'hc'Wcbh]bi ci g`mi]a dfcj Y'h\Y'Wci fgY ci hWca Yg'UbX'Yl dYf]YbW'g'Zcf'ghi XYbhg"

#### @UVcfUhcfmK cf\_g\cd \dag{b}Zcfa Uhjcb

D`YUgY`WcbhUWimci f`gi dYfj ]gcf`Zcf``UVcfUhcfmYei ]da YbhžUVWWgg`cf`ch\Yf`gdYWJU``fYgci fWYg`mci `a ][\hbYYX`hc`Wca d`YhY`mci f`h\Yg]g"

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

H\Y'GW\cc``\Ug'XYj Y`cdYX'U'[i]XY`]bY'hc'\Y`d'mci'k\Yb'gi Va]hh]b['U'Wci fgY'Ugg][ba Ybh'

K Y YbWci fU[Y'mci'hc'fYhJ]b'U'WcdmcZYj YfmiUgg][ba Ybhgi Va]hYX'Zcf'UggYgga YbhZcf'mci f'ck b'fYWcfX Y]hYf']b'YUfXWcdmcf'Y'YWfcb]WZcfa"

5```UggYgga Ybhg'a i gh\Uj Y'Ub'UggYgga YbhWcj Yf'g\YYhUHUW\YX"

## 7ci fgY Wca d`Yhjcb

7 ci fgY 'Wca d`Yh]cb 'fYei ]fYgʻgi Va ]gg]cb 'cZU```UggYgga Ybh]hYa g": U]`i fY 'hc 'gi Va ]h'U```UggYgga Ybh]hYa g a UmfYgi 'h']b 'h\Y 'Uk UfX 'cZUb'I bgUh]gZUWrcfm: U]`i fY 'fI : Ł'[ fUXY 'Zcf'h\Y '7 ci fgY 'i b`YggʻgdYW]U` Wcbg]XYfUh]cb '\UgʻVYYb 'gi Va ]h\YX'UbX'Uddfcj YX"'D`YUgY 'bchYž'U'Wca dYhYbWm\i fX`Y 'cZ) \$i ']gʻUdd`]YX'hch\Y'Z]bU``UggYgga Ybh'

@UhY Gi Va ]gg]cb cZUb 5gg][ ba Ybh

• I BGK "@YUfb]b[ "7 YblfY"!"

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

 $5 ```A ]b]b[ "9b[ ]bYYf]b[ "ghi XYbhg"UfY"fYei ]fYX"hc "Wca d`YhY"U"ghi XYbhXYWUfUh]cb" Zcf"UWUXYa ]W]bhY[ f]hm k \]W. ]g"ci h]bYX']b"h\Y"Ugg][ ba YbhWcj Yf"g\YYhg""6mg][ b]b[ "h\]g"XYWUfUh]cbž"mci "U[ fYY"h\Uh'mci f"k cf_"]g mci f"ck b"cf][ ]bU"k cf_"$ 

⊋mci 'bYYX'gca Y'UXX]h]cbU``gi ddcfhk]h\ 'mci f`k f]h]b[ 'g\_]``gž'd`YUgY'WcbhUWh\Y'@YUfb]b[ '7 YbhfY'cf'j]Yk gca Y'cZh\Y'fYgci fWg'cb'h\Y]f`k YVg]hY. 'k k k "`Wi bgk "YXi "Ui "'H\Y'@YUfb]b[ '7 YbhfY']g'XYg][ bYX'hc'\Y`d mci ']a dfcj Y'mci f'UWUXYa]Wk f]h]b[ 'UbX'Wca a i b]WUh]cb'g\_]``g"'Gca Y'ghi XYbhg'i gY'h\Y'7 YbhfY'gYfj]W/g VYWUi gY'h\YmUfY'Z]bX]b[ 'h\Y]f'Ugg][ ba Ybhg'U'W\U``Yb[ Yžch\Yfg'VYWUi gY'h\Ymk Ubhhc']a dfcj Y'Ub'U`fYUXm gi WW/ggZ ``UWUXYa]WdYfZcfa UbW/"

5 WUXYa]W±bZcfa Uhjcb

- VfcUXVUbX`WcbbYWjcb`f&) \* '\_V]#gYWcf`ZJghYfŁ
- UV]`]hmhc'j ]Yk 'ghfYUa ]b['j ]XYc'f\][\'cf'`ck 'XYZ]b]h]cb'l BGK 'HJ 'cdh]cbgŁ

A cfY ]bZcfa Uh]cb UVci hgmghYa fYei ]fYa Ybhg ]g Uj U] UV Y Uh $\underline{k}$  k "ghi XYbh"i bgk "YXi "Ui  $\underline{\#}$  ccX Y!gmghYa !fYei ]fYa Ybhg

.

 $5\,WW\,gg]b[~7\,ci~fgY\,A\,UhY\,f]U\,g\,H\,\backslash\,fci~[~\,\backslash\,A\,cc\,X\,\dot{}\,Y$ 

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

 $K_{Y'UW\underline{b}ck} YX[Y'hY'6YXY[U''dYcd'Y'k \c'UfY'hY'ffUX]h]cbU''W ghcX]Ubg'cZhY''UbXg'cb'k \]WX'I_BGK_?Ybg]b[hcb'WJa_di_g']g''cWJhYX'''$ 

# 5ddYbX]I . '9b[]bYYfg'5i ghfU`]U'f95Ł'DfcZYgg]cbU` '9b[]bYYf'7ca dYhYbWm GHJbXUfX

Dfc[fUa '±bHYbXYX'@YUfb]b['Ci HWca Yg		
?bck `YX[Y`UbX'g_]```VUgY		
D9%%7cadfY\ 'h\ fmVUgYX'i bXYfgHJbX]b['cZh\ i bXYfd]bb]b['bUhi fU'd\ U`g ]YbWYg'UbX'h\ Yb[]bYYf]b['Z bXUaYbHJ`g'Udd` UV`Y'hc'h\ Yb[]bYYf		` Y
D9%"&"7cbWYdhiU``ibXYfgHUbX]b['cZh\ aUh\ Uh&g 'biaYf]WU``UbU`m 'gHUh WcadihYf'UbX']bZ faUh&b'g]YbWYg'k\ \ ibXYfd]b"h\ Yb[]bYYf]b['X]g]d` Y	& g	·UbX
D9%" =b!XYdh\ i bXYfghUbX]b[ cZgdYW]U` 'VcX]Yg'cZ_bck `YX[ Y'k ]h\ 'h\ Yb[ ]bY'X]g ]d` Y	/f]b[	
D9%"( 8]g Yfba YbhcZ_bck `YX[Y`XY- cda YbhUbX`fYgYUfW\ X]fYWf\ bg`k]h\ 'h\ Yb[]bYYf]b[`X]g ]d` Y		
D9%) '? bck 'YX[Y'cZYb[]bYYf]b[ 'XY 'dfUW & Y'UbX'W bHYl hi U`'ZUW cfg']a dUW & Yb[]bYYf]b[ 'X]g ]d` Y	[ 'h\	
D9%"* I bXYfgHJbX]b[ cZh\ gW d 'df]bW]d` g 'bcfa g 'UWW i bHJV]`] & g'UbX'V gi gHJ]bUV`Y`Yb[ ]bYYf]b[ 'dfUW & Y`& 'h\ gdYW]Z& 'X]g ]d` Y	bXg <sup>-</sup> cZ	
9b[]bYYf]b['Udd` Uh& b'UV]`] m		
D9&"%5dd` Uh& b`cZYghUV` YX`Yb[]bYYf]b[`a Yh\cXg`hc`Wca d`Yl `Yb[]bYYf]b[`dfcV`Ygc`j]b[	la e	
D9&"&": `i YbhiUdd` Uh& b'cZYb[]bYYf]b['hYWXb]ei Yg 'hcc`g'UbX'fYgci fWYg		
D9&"' '5dd` Uh& b'cZgm Uh& 'Yb[]bYYf]b['gm h\ UbX'XY 'dfc'	₩ggYg	
D9&"('5dd` Uh& b'cZgm Uh& 'UddfcUWXYg'hc'h\ W bXi WhUbX'a UbU[ YbhdfcYWng	icZYb[]bYYt	f]b[
DfcZYgg]cbU`'UbX'dYfgcbU`'Ultf]Vi lYg		
D9' "%'9h\ U``W bXi WhUbX'dfcZYgg]cbU``UVW i bhUV]`] m		
D9' "&'9ZZYW & Y'cfU`'UbX'kf]hhYb'Wcaaib& Uh& b'] 'dfcZYgg]cbU`'UbX'`Um'XcaU] g		
D9' "' '7 fYUh& Yž'] bcj Uh& Y'UbX'dfc!UW & Y'XYa YUbci f		
D9' "( 'DfcZYgg]cbU`i gY'UbX'a UbU[ YbhcZ]bZ fa Uh& b		
D9' ") 'C fXYf`ma UbU[ YbhcZg Z 'UbX'dfcZYgg]cbU``W bXi Wh		
D9' "* '9ZZYW & Y'HYUa 'a Ya VYfg\]d'UbX'HYUa '`YUXYfg\]d		