

## 7ci fgY Cj Yfj ]Yk

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

#### 7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
8]j mU`BU]f	X]j mU"bU]f4 i bgk "YXi "Ui	H\i fgXUm%\$Ua 'hc ' da	F cca '%\$' ž @Yj Y`'%ž'<&\$	fž*%:&Ł -\$*) (, *%

#### GW.cc`7cbHJWh =bZcfa Uhlcb

<u>9b[]bYYf]b[:Gh:XYbhGi:ddcfhGYfj]WYg</u>:-H\Y:Bi:WYi:g'!'Ybfc`a Ybhž'dfc[fYgg]cb'WXYW<u>g</u>ž'WUg\'fYei:Yghgž Wti:fgY']ggi:Yg'cf'dfc[fUa!fY`UhYX'ei:Yf]Yg'

<u>9b[]bYYf]b[ '€Xi glf]U`'HfU]b]b[</u> --'€Xi glf]U`'lfU]b]b[ 'ei Ygh]cbg'

<u>I\_BGK\_'Gh\_Xm5VfcUX</u>'--gh\_XmUVfcUX'gh\_XYbhYbei\_]f]Yg^fZcf']bVci\_bX'gh\_XYbhgŁ'

I BGK '91 WXUb[Y'-ghi XYbhYl WXUb[Y'Ybei ]f]Yg'flcf']bVci bX'ghi XYbhgŁ'

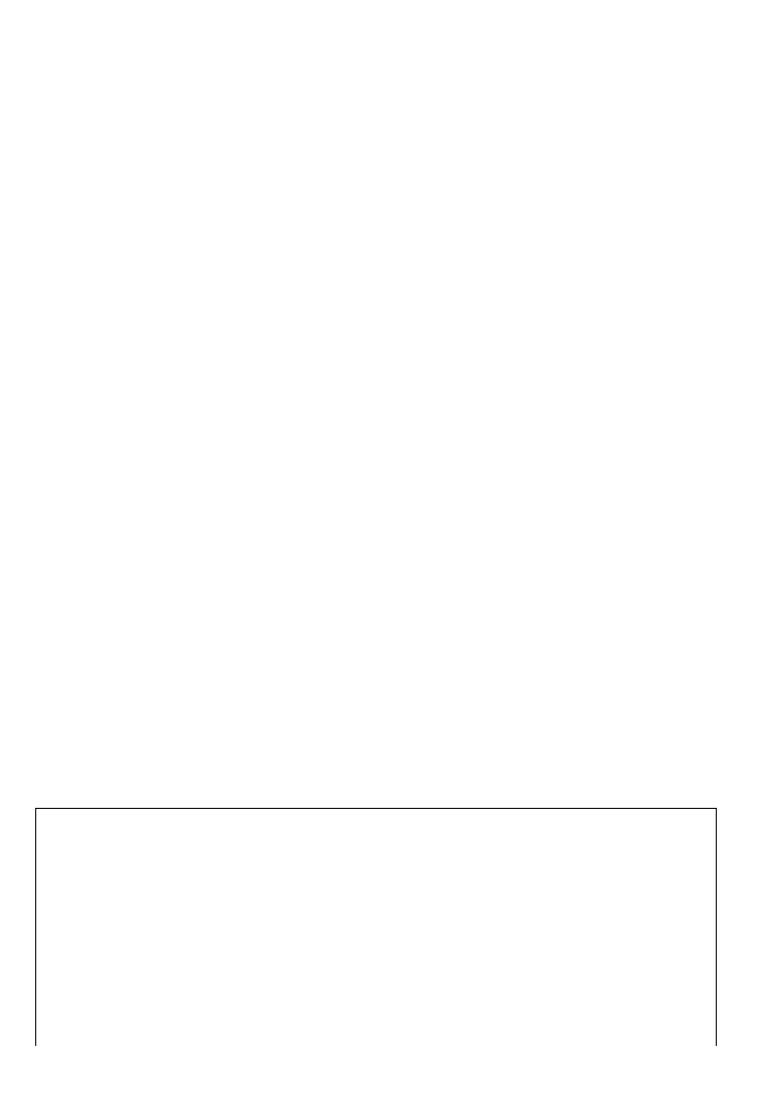
LBGK : i h fy Gh XYbh - dch bh U gh XYbh Ybei ]f]Yg Y"["UXa ]gg]cbgž ZYYgž dfc[fUa gž WfYX]h lf UbgZYf

#### D\cbY.

fŽ\*%~&Ł~-',),)\$\$~—BiWYiq~GhiXYbh<iV

fŽ\*%%&L'-',) '+\*\*%'-'9b[]bYYf]b['=bXi ghf]U`'HfU]b]b['

fŽ\*%"&&-',)" %+-'-1 BGK "Ghi Xm5VfcUX"UbX"1 BGK "91 WXUb[Y"fZcf"]bVci bX"ghi XYbhg&



@YUfb]b[ 'Ci hWca Y	95 GHJ[Y %7ca dYHYbW]Yg
) "'8 Ya cbghfUhY 'h\Y'UV]`]hmhc'Wf]h]WU``mUbU`mgY'fYU`!k cf`X'XUhU Udd`m]b[ 'ghUh]gh]WU`'a Yh\cXg"	D9%"%žD9%"&žD9&"&
*"'8Ya cbglfUlY'gc'j ]b[ 'Wca d'Yl 'Yl ]gh]b[ 'UbX'dclYbh]U`'lfUbgdcfh gnghYa 'dfcV'Ya g']b'lYUa 'Ybj ]fcba Ybh	D9%"%žD9%"&žD9&"%žD9&"&ž D9&"(žD9' "&žD9' "' žD9' "*

# HYUW.]b[ 'GlfUhY[]Yg'

 $\label{eq:hammer_hammer} $$HY'Z_c``ck]b[`hYUWX]b[`ghfUhY[]Yg'k]```VY'igYX']b'hXY'WcifgY.''$ 

Df]j UhY Ghi Xm	FYj]Yk "YWifYa UHYf]U"UbX'HYI HVcc_  8c'gYhidfcV'Ya g'UbX'Ugg][ba Ybhg  100  100  100  100  100  100  100  1

## 5ggYgga Ybh

Gh XYbhg k ]``i bXYfhu\_Y`U'j Uf]YhmcZ]bX]j ]Xi U``UbX`[ fci d'UggYgga Ybh'Wca dcbYbhg h\Uh'UfY`UggcW]Uh'X k ]h\ 'Wci fgY`cV'YWfj Yg`UbX``YUfb]b[ 'ci hWca Yg"'; fci dg`k ]h\ 'Zci f'a Ya VYfg`k ]```VY`gY`Z\gY`YWh'X`i g]b[ fci dg`cb`A ccX`Y`VmYbX`cZK YY\_`&"'; cf`[ fci d'UggYgga Ybh']hYa g`cb`mcbY`gi Va ]gg]cb`]g`U``ck YX`hc`VY gi Va ]hh'X`dYf`[ fci d"'5```UggYgga Ybh'gi Va ]gg]cbg`k ]```VY`h\fci [\`A ccX`Y`UbX#cf`Hi fb]h]b"

 $H\YfY^{\circ}]g^{\circ}bc^{\circ}Z]bU^{\circ}YIUa^{\circ}Zcf^{\circ}h^{\circ}]g^{\circ}Wc^{\circ}ifgY^{\circ}E^{\circ}ZWX^{\circ}_{L}S^{\circ}YcS^{\circ}VWXadfZ[eUagceWie[^{\wedge}^{\circ}ad_S^{\wedge}kTWTSeW^{\circ}a^{\circ}fZW^{\circ}eg_aXfZWeUadWeXta_WSUZ^{\circ}aXfZWSeeWee_W^{\circ}fSe]e^{\circ}D^{\circ}WSV^{\circ}fZW[^{\wedge}Xad_Sf[a^{\circ}g^{\circ}VWdfZW[^{\vee}V[h[VgS^{\circ}S^{\circ}V]]h[VgS^{\circ}S^{\circ}VYcagb_Sd]e^{\circ}XadWSUZ^{\circ}SeeWee_W^{\circ}fSe]^{\circ}ZW^{\circ}YcS^{\circ}VYcagb_Sd^{\circ}S^{\circ}VYcag$ 

5ggYgga Ybh'tUg_	K Y][ \h	8iY'8UHY	7 ci fgY '@YUfb]b[ Ci HWca Yg '5 ggYggYX
%"`A ccX`Y`Ei]n	&\$I	%+#\$*#&\$&&`%%) - 'DA	%ž <sup>*</sup> &
&"'DfY`]a ]bUfmDfc'YWf8Yg][b 6f]YZf\x>X]j ]Xi U` 5ggYgga Ybl\x	<b>%\$</b> 1	\$%#\$+#&\$&&^%%)- 'DA	' Ž'(
' "'8UHJ'5bU'mg]g'UbX G]a i `Uh]cb'HYW\b]ei Yg f\x>X]j ]Xi U`'5ggYgga Yb比	&\$I	%) #\$+#&\$&&^%%) - `DA	'Ž')
("'Dfc'YWh!'DfYgYbHJhjcbž Dfc'Zygg]cbU`'g_]``g'UbX HYWXb]WJ`'F Ydcfh	) \$1	\$) #\$, #&\$&&`%%) - `DA	&ž' ž') ž'*

### 5ggYgga Ybh% A ccX`Y Ei]n

GHJfhXUhY. %\*#\$\*#&\$&&\$\$ DA 8i Y XUhY. %+#\$\*#&\$&&\*%) - DA

**8YUX`]bY'Zcf'UVgc`i hY'ZU]`.** ": U]`i fY'hc'UhhYbX'h\Y'A ccX`Y'ei ]n'k ]```fYgi `h']b'U'a Uf\_'cZnYfc"'Gh XYbhg'k \c a ]gg'h\Y'UggYgga Ybh'Ug'U'fYgi `h'cZ]``bYgg'cf'i bZcfYgYYb'WJfW a ghUbWrg'a i gh'Udd`m'Zcf'gdYWJU` Wcbg]XYfUh]cbg'UbX'WcbhUWfh\Y'Wci fgY!WccfX]bUhcf"

5b'cb']bY'ei ]n'k ]``VY'UXa ]b]ghYfYX'j ]U'A ccX'Y"'H\Y'A ccX'Y'ei ]n'k ]``VY'VUgYX'cb'h\Y'a UhYf]U``Wcj YfYX']b h\Y']fgh' 'k YY\_g``YWfi fYg'UbX'k cf\_g\cdg"'H\Y'A ccX`Y'ei ]n'k ]``UggYgg'ghi XYbhg'i bXYfghUbX]b[ 'cb'h\Y VUg]WhYbYhg'cZei Yi Y]b[ 'h\Ycfmk \]WX 'k ]``VY'Udd`]WUV`Y'hc'h\Y'fYghcZh\Y'UggYgga Ybhg']b'h\Y'Wci fgY" H\Y'ei Ygh]cbg'k ]``VY'a Uf\_YX'VUgYX'cb'hYWXb]WU`UVWfUWh'i

H\Y'AccX`Y'ei]n'k]```VY'aUXY'UVWYgg]V`Y'Uh&'da'H\ifgXUmh\Y'%\*h\cZ>ibY'&\$&&'UbX`k]``WcgY'Vm %%')-'da': f]XUmh\Y'%+h\cZ>ibY'&\$&&''H\Y'AccX`Y'ei]n'k]``VY'Ub'cdYb!Vcc\_'UggYggaYbh'GhiXYbhgaighgiVa]hh\Y]f'fYgdcbgYg'k\]`Y'h\Y'ei]n']g'gh]``UWhj Y''Mci'k]``VY'[]jYb'cb`mcbY'UhhYadhhc'Xc'h\Yei]n'': U]`ifY'hc'Wcad'YhY#giVa]hU'ei]n'k]h\]b'h\Y'UWWYgg]V`Y'hJaY'dYf]cX`k]``fYgi'h']b'U'aUf\_'cZnYfc''

#### 5ggYgga YbhWf]hYf]U

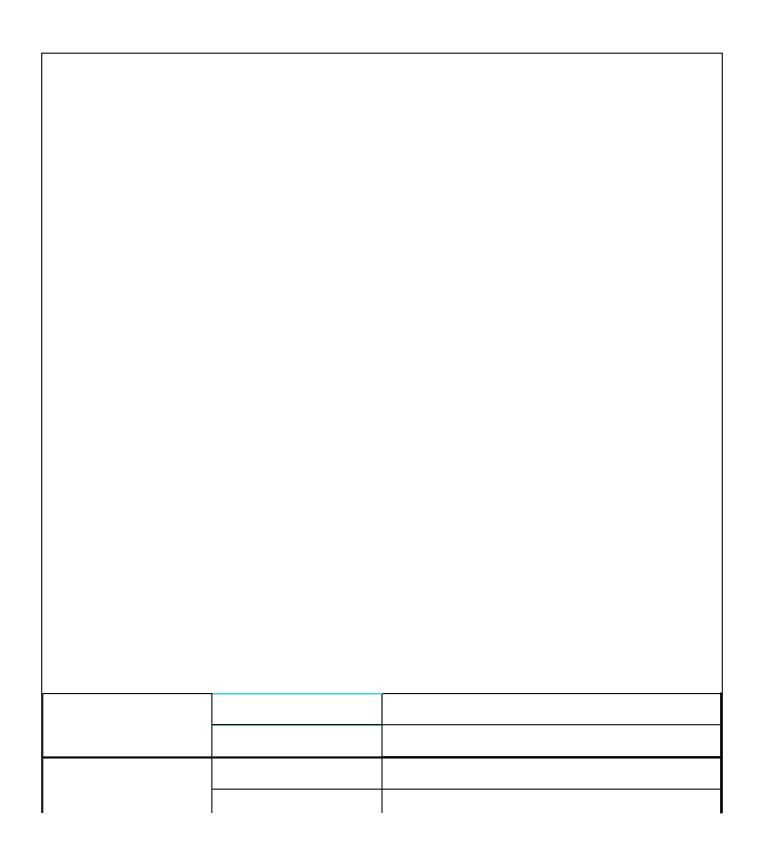
GYY A ccX Y Zcf XYhJ] g

## 5 X X ]h]c b U` `X Y h U]`g

### 5ggYgga Ybh'Wf]hYf]U

 $\mathsf{G} \mathsf{Y} \mathsf{Y} \, {}^{\mathsf{T}} \! \mathsf{A} \, \mathsf{cc} \mathsf{X} \, {}^{\mathsf{T}} \mathsf{Y} \, {}^{\mathsf{T}} \! \mathsf{Z} \! \mathsf{c} \, \mathsf{f}^{\mathsf{T}} \mathsf{X} \mathsf{Y} \, \mathsf{f} \mathsf{U} ] \, {}^{\mathsf{T}} \! \mathsf{g}$ 

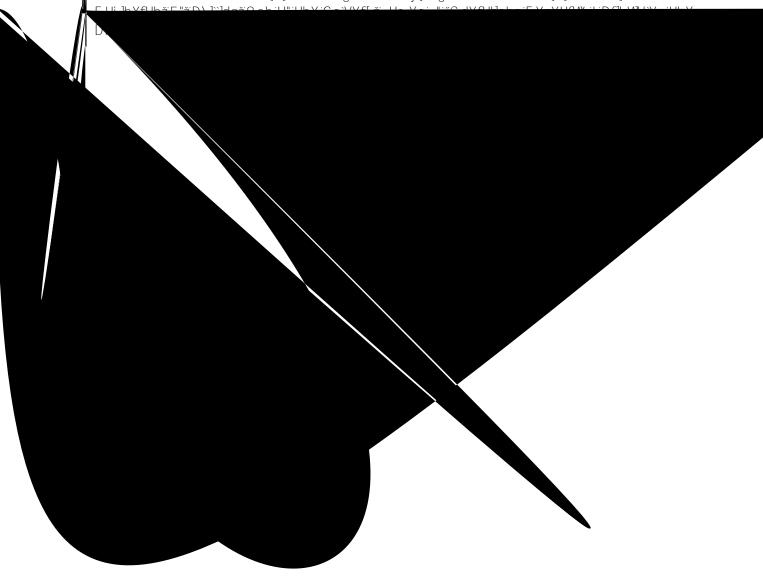
5ggYgga Ybh'(. 'Dfc YWh'! 'DfYgYbhJh]cbž'DfcZYgg]cbU`'g\_]``g'UbX'HYWXb]WU`'F Ydcfh' 8i Y'XUhY. '\$) #\$, #&\$&&'%%) - 'DA



## FYgci fW/g

# DfYgWf]VYX F Ygci fWYg

- FcYggžFc[Yf'D"ž'9`YbY'G"'DfUggUgžK]``]Ua 'F"'AWG\UbY"'HfUZZ]W'9b[]bYYf]b["'H\]fX'9X]h]cbž IddYf'GUXX'Y'F]jYf.'DYUfgcb'DfYbh]WY'<U``ž'&\$\$('f\G6B'\$!%'!%(&(+\%', \tau)')
- Ji\_Ub'JiWX]W'I fVUb'HfUbg]hCdYfUh]cbgž'D`Ubb]b['UbX'9Wcbca]Wg'-'>c\b'K]Ym'/'Gcbgž'&\$\$)/
   8U[Ubncž'7": i bXUa YbhU`g'cZHfUbgdcfhUh]cb'UbX'HfUZZJWCdYfUh]cbgž'DYf[Uacb!9`gYj]YfžClZcfXžl":"?"'f%--+Ł
- XY'BYi 4] "YžF ]W\UfX""5dd`]YX'GmghYa g'5bU`mg]g'! 9b[ ]bYYf]b[ 'D`Ubb]b[ 'UbX'HYW\bc`c[ m A UbU[ Ya Ybh'z`A W fUk '<]``z`% \$"</p>
- U``žK "FUbXc`d\"'"EiYiY]b['AYh\cXg'!: cf'GYfj]WYg'UbX'AUbiZJWhff]b["žDfYbh]WY'<U``ž'%--%"</li>



# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

D`YUgY`fYZYf`hc`h\Y`A ccX`Y`dU[Y`cZh\Y`Wci fgY`Zcf`Z fh\Yf`[i]XUbW\`cb`UggYgga Ybhigi Va]gg]cb"

#### I BGK `\Ug`U`ghUbXUfX``UhY`gi Va ]gg]cb`dYbU`hmcZ

• )ı 'dYf'XUmž'Zcf'U``'UggYgga Ybhg'k \YfY'U'dYbU'hm'Udd`]Ygž'WUddYX'Uh'Zjj Y'XUmg'f1%&\$`\ci fg\z'UZhYf k\]WX'U'ghi XYbhWUbbchgi Va ]h'Ub'UggYgga Ybhž'UbX'bc'dYfa ]hhYX'j Uf]Uh]cb"

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

6Yk UfY "5b" Ugg][ ba Ybhh\Uh]bWi XYg"d`U[ ]Uf]gYX"a UhYf]U``k ]```fYWY]j Y"U"\$ı ': U]`žUbX`ghi XYbhg`k \cd"\U[ ]Uf]gY\"a UmZU]``h\Y'Wci fgY"'Ghi XYbhg`k \cd"\U[ ]Uf]gY\"UfY\"U`gc"`]UV`Y'hc"X]gW]d`]bUfm'UWf]cbž]bWi X]b[YI Wi g]cb'Zfca 'Ybfc`a Ybh'

 $D`U[]Uf]ga ~]g'hY'i gY'cZUbch\Yf'dYfgcb'g'k cf\_'cf']XYUg'Ug']Zh\Ymk YfY'mci f'ck b'''K ~Yb']h]g'bYWYggUfmcf XYg]fUV'Y'hc'i gY'ch\Yf'dYcd'Y'g'a UhYf]U`'mci 'g\ci `X'UXYei UhY`mUW_bck `YX[Y'k \cgY'k cfXg'cf']XYUg'h\Ym$ 

