

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

## GHJZ7cbHJWh8YHJ]`g

### 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D\cbY
<cu'b[i myb<="" td=""><td>\cU"b[imYb4 i bgk "YXi "Ui</td><td>Hi YgXUm-!‱U"a</td><td>; ' +žA cfj Yb 6fck b 6i ]`X]b[</td><td>\$&amp;-')%*'% -</td></cu'b[i>	\cU"b[imYb4 i bgk "YXi "Ui	Hi YgXUm-!‱U"a	; ' +žA cfj Yb 6fck b 6i ]`X]b[	\$&-')%*'% -

## GWXcc`7cbHJWhi±bZcfa Uh]cb

GWkcc``cZ9Xi WUH]cb 5fhgž8Yg][b'UbX'5fWk]hYWhifY

; fci bX': `ccfž'A cfj Yb '6fck b '6i ]`X]b[ 'fl &\$Ł

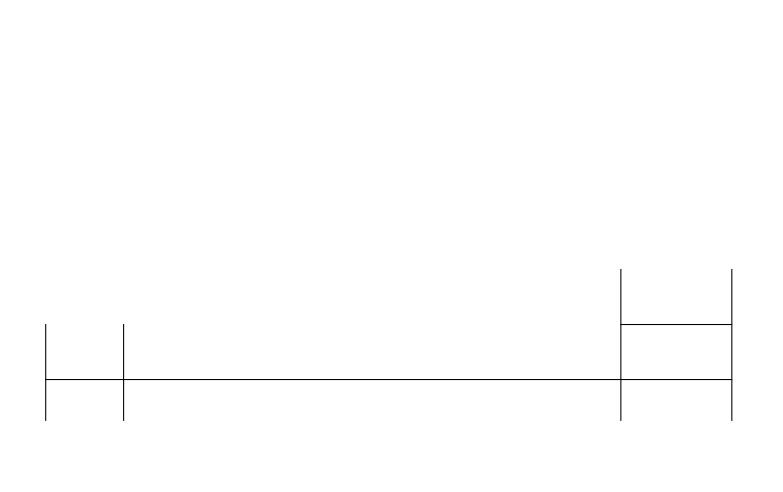
H. 'Ž\*%'f&Ł'-',) '%++

9. YXi WUNcb4 i bgk "YXi "Ui

K. \hdg.#kkk"Ufhg"i bgk"YXi"Ui#YXi WUh]cb

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

I BGK '5frgž8Yg][ b'UbX'5fW,]hYWi fY'? Ybg]b[ hcb'UbX'DUXX]b[ hcb'Wa di gYg'UfY'Vi ]'hcb'5Vcf][ ]bU`@UbXg"'K Y'dUmci f'fYgdYWg'hc'h,Y'6]X'][ U''UbX'; UX][ U''dYcd'Yg'k \c'UfY'h,Y'7 i 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': ]fghi5i ghfU`]Ubgžk \cgY'`UbXgž k ]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'Wbh]bi ]b[ 'UbX YbXi f]b[ 'W' h fYg'k \]W. XYYYdYb'UbX'Ybf]W. h,Y'`]ZY'cZci f'bUh]cb'UbX'Wca a i b]h]Yg"''



1 1 70 101011111		+"( "%	dfU₩	IVY"		
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# $B\,Uh]c\,b\,U`\,Df]c\,f]hm\,5\,fY\,U'\,9`\,UV\,c\,fUh]c\,b\,g$

•	Df]cf]lmiUfYU	•	5ggYgga Ybh#g
7	±bZcfa Uhjcb UbX 7 ca a i b]WUhjcb HYW bc c[]Yg	'!(ž,ž%(	·%ž·&

HYUWX]b['GhfUhY[]Yg'

H\]g`]g`h\Y`Z]bU``UggYgga Ybh'

H\]g Ugg][ ba Ybh]g gi Va ]h\X h\fci [\ Hi fb]hb UbX gh XYbhg Wb gYY Hi fb]hb g]a ]\Uf]hmfYdcfhg"

#### 5XX]h]cbU`XYHJ]`g

Mci 'UfY'fYei ]fYX'hc'W\ccgY'UbX'Wca d'YhY'cbY'cZh\Y'Zc``ck ]b[ žY]h\Yf.

% 5 XYHU] YX'dfcdcgU' Zcf'Ub' 5 F'dfc YWiVUgYX'cb' h Y'd'Ubb] b [ 'gHU[ Y'cZh, Y'5 F'WhWY'fh, YcfYh] WU' LZ cf

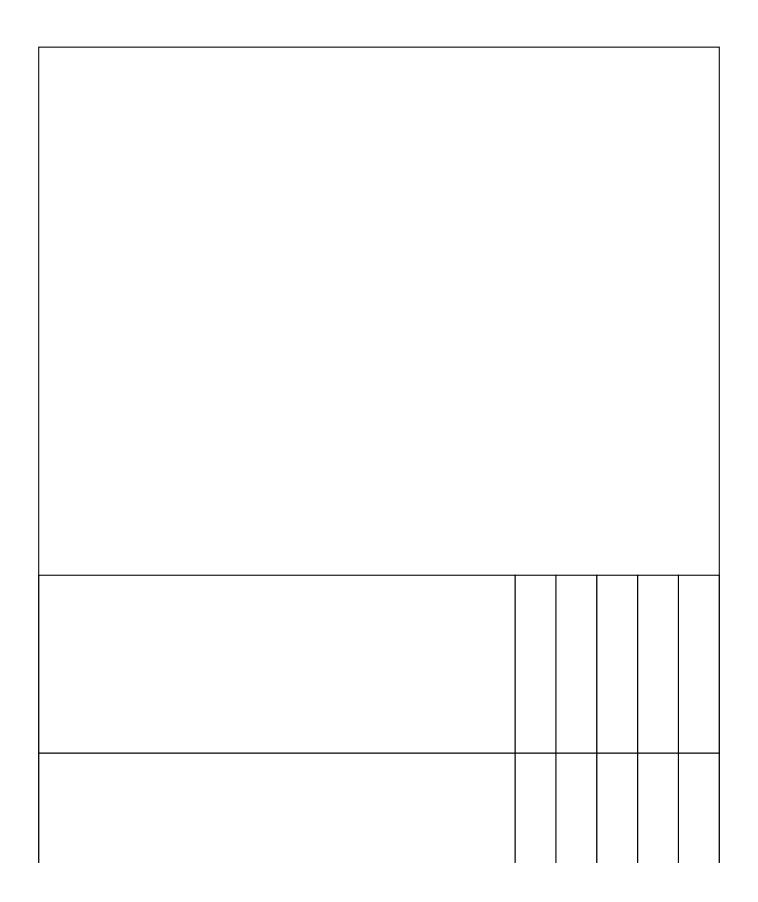
&" 5 a ]b] 5 F dfc YWik \YfY 'U```ghU[ Yg`cZh\Y`5 F 'WhWY 'UfY ']a d`Ya YbhYX 'UbX 'XcW a YbhYX ffYa d]f] WU`t"

HY']ggiY'YId'cfYX'hhfci[hhY'fYgYUfWh'k]"fY'uhY'hc'mcif'W'ffYbh'cf'df]cf'YIdYf]YbW']b'gWhcc'"

+b 'd'Ubb]b[ 'mci f'UWjcb fYgYUfWX 'dfc YWžmci 'k]``bYYX 'hc 'UXXfYgg 'h\Y 'Zc``ck]b[ 'WcbhYbhg

- #blfcXi Whob
- Ghuhya YbhcZh\Y dfcV`Ya fgŁ
- BYYX#a dcffUbWY'cZh\Y'ghi Xmffh\Y'bYYX'g\ci `X'Uf]gY'df]a Uf]`miZfca 'WUggfcca dfUWJWY#cVgYfj UhjcbgžVi h'U`gc'VY'`]b\_YX'hc'h\Y'`]hYfUhi fYŁ
- FYj]Yk cZ@jhYfUhi fYfXYZjb]hjcbgcZhYfa g'UbXfYj]Yk cZfYYj Ubhghi X]YgŁ
- A Yh\cXc`c[mi
  - CVYWNjY#cVYWNjYgcZh\YghiXm
  - F YaYUfWX E i Yahcba
  - DUfhWdUbhg

0



GdYW <b>]Z</b> JW7 f]HYf]U	"flŁ—	 	 2fŽŁ
`]gh]b[ `fYZYfYbVWg			
• 7`Uf]lmiUbX`Wcbg]ghYbWni]b`dfYgYbh]b[`hUV`Yg`UbX`X]U[fUag			
<ul> <li>7`Uf]hm'UbX'Uddfcdf]UhYbYgg'cZgYbhYbWY'ghfi Whi fYžj cWUVi `Ufm i gYž'gdY``]b[ž'di bWhi Uh]cbž'UbX'k cfX'`Yb[h\</li> </ul>			
; YbYfU`Wca a Ybhg#YWca a YbXUhjcbg'Zcf'bYl hhja Y.			

B6. H\Y'h]W\_g']b'h\Y'j Uf]ci g'Vcl Yg'UfY'XYg][ bYX'hc'dfcj ]XY'ZYYXVUW\_'hc'ghi XYbhg/h\YmUfY'bchi[ ]j Yb Yei U'`k Y][ \h]b'XYhYfa ]b]b[ 'h\Y'fYWca a YbXYX'[ fUXY"'8YdYbX]b[ 'cb'h\Y'bUhi fY'cZ'h\Y'UggYgga Ybh'hUg\_ž 'YWhi fYfg'a Um'U`gc'WcbhYl hi U`]gY'UbX#cf'Ua YbX'h\YgY'gdYWJZ]WWf]hYf]U"'<u>H\Y'fYWca a YbXYX'[ fUXY']g hYbh'hhij Y'cb`m\*zgi VYWhic'ghUbXUfX]gUhjcb'dfcWyggYg'UbX'Uddfcj U``Vmh\Y'GW\cc``cZ9Xi WUhjcb'@YUfb]b[ UbX'HYUW\]b[ '7 ca a ]hYY"</u>

#&\$f1@DG7F8B<8Ł

K Y][\h]b[.

- 1

FYWca a YbXYX.

GdYWJZJW7 f]hYf]U			``flŁ		
<ul> <li>7 `Uf]mž`Wcbg]ghYbWnž`UbX`Uddfcdf]UhYbYgg`cZWcbj Ybh]cbg`Zcfeich]b[ž'dUfUd\fUg]b[ž'Uhtf]Vih]b[`gcifWg`cZ]bZcfaUh]cbž'UbX`]gh]b[`fYZYfYbWrg</li> </ul>					
• 7`Uf]lmiUbX'Wcbg]ghYbWni]b'dfYgYbh]b['HUV`Yg'UbX'X]U[fUag					
<ul> <li>7`Uf]miUbX'Uddfcdf]UhYbYgg'cZgYbhYbWY'ghfi Whi fYžj cWUVi `Ufm i gYž'gdY``]b[ž'di bWhi Uh]cbž'UbX'k cfX'`Yb[h\</li> </ul>					
; YbYfU`Wcaa Ybhg#fYWcaa YbXUh]cbg`Zcf'bYl h'h]aY.'	I				

FYWca a YbXYX. #\$ fl @ DG 7F 8B < 8Ł K Y][ \h]b[.

B6. H\Y'I]W\_g']b'I\Y'j Uf]ci g'Vcl Yg'UfY'XYg][ bYX'Ic'dfcj ]XY'ZYYXVUW\_Ic'ghi XYbhg/I\YmUfY'bchi[]j Yb Yei U``k Y][\h]b'XYhYfa ]b]b['I\X'fYWca a YbXYX'[fUXY"'8YdYbX]b['Icb'I\X'bUhi fY'cZh\Y'UggYgga YbhIUg\_ž YWfi fYfg'a Um'U`gc'WcbIYl hi U`]gY'UbX#cf'Ua YbX'I\X'gY'gdYWJZ]WWf]hYf]U"'<u>H\Y'fYWca a YbXYX'[fUXY']g IY'bIUhij Y'Cb`mz'gi YYWfic'gHUbXUfX]gUlijcb'dfcWrggYg'UbX'Uddfcj U``VmI\Y'GW\cc``cZ9Xi WUlijcb'@YUfb]b[UbX'HYUWX]b['7ca a ]hYY'"</u>

# 5 hmyb XUb WY F Yei ]fYa Yb hg

#### GWXcc`cZ'9Xi WUNcb'5HYbXUbWYFYei]fYaYbh

H\Y`GW\cc``cZ9Xi WUhjcb`fG98EfYei ]fYgʻghi XYbhgʻa YYhUʻa ]b]a i a `UhhYbXUbW\fYei ]fYa YbhcZ, \$i `cZU`` gW\YXi `YX`WUggYgʻf]"%"`YWhi fYgž'hi hcf]Uʻgž'k cf\_g\cdgž'gYa ]bUfgE'Zcf`U```Wci fgYg"`5hhYbXUbW\f]b`dYfgcb`]g fYei ]fYX`Zcf`hi hcf]Uʻgž'gYa ]bUfgž'UbX`k cf\_g\cdg`k \Yb`Wci fgY`UfY`XY`]j YfYX`]b`ZJ\W\fa cXY\f\f]b`dYfgcb`]g fYei ]fYx`Zcf`hi hcf]Uʻgž'gYa ]bUfgž'UbX`k cf\_g\cdg`k \Yb`Wci fgY`UfY`XY`]j YfYX`]b`ZJ\W\fa cXY\f\f]b\f\Yf\Ym YYWfcb]Wa YUbgʻcf'j ]U`Ub`UhhYbXUb\W\fY[]ghYf"`5hhYbXUb\W\f)]b`cb`]bY`cf`V`YbXYX`a cXY`k ]```VY`UggYggYX h\fci [\X][]hU`": i fh\Yf`]bZcfa Uhjcb`WUb`VY`Zci bX`\\fYf\"

## 7ci fgY GWX YXi `Y

#### J JYk 'WUqq'Ha YHUV'Y

#### H]a YtUV`Y

8UhY	HmdY	7cbhYbh
C 'K YY'+': YVfi Ufm! % '>Ubi Ufm	GYa ]bUf	&7h`>Ubi Ufmf¶ThursXUmŁ'-Ua!&da ```fìYWi fY' UbX'ii lcf]U``cb`]bYžgmbW.fcbci g'Ł  • ₺lfcXi Wijcb'lc'h\Y'Wti fgY • 7 i ffYbh7 cbhYl h • ≼YbhjZmjb['dfcZYgg]cbU``]ggi Yg']b'bcj ]W/hYUW.]b[
K YY_'%'%(': YVfi Ufm! % ': YVfi Ufm	Cb`]bY'5W¶j ]hm	Cb`]bY`dUfhjWjdUhjcb.`GYY`ACC8@9`Zcf`acfY ]bZcfaUhjcb`cb`kYY_`mUWhjj]hjYg
K YY_'&.'&%: YVfi Ufm! &) ': YVfi Ufm	Cb`]bY'5W]j]hm	Cb`]bY'dUfhjWjdUhjcb.'GYY'ACC8@9'Zcf'acfY ]bZcfaUhjcb'cb'kYY_`m'UWhjj]hjYg
K YY_" ."&, ": YVfi Ufm! ( "A UfVX	C b`]bY'5W¶j ]hm	Cb`]bY'dUfh]W]dUh]cb. GYY'A CC8@9'Zcf'a cfY ]bZcfa Uh]cb'cb'k YY_`m'UWh]j ]h]Yg
K YY_"( ."+"A UfWX"!"%% A UfWX	C b`]bY'5W¶j ]hm	Cb`]bY'dUfh]W]dUh]cb. GYY'A CC8@9'Zcfa cfY ]bZcfa Uh]cb'cb'k YY_`m'UWh]j ]h]Yg
K YY_`).'%('A UfVX'!'% A UfVX	@YWhi fY	%-h\`A UfW\`fGUh fXUmŁ`%\$Ua%&da ž gmbW\fcbci g

K YY_''%%'5df]`'!'%) 5df]`	

FYgci fWyg

FYWca a YbXYX FYgci fWYg

 $\label{eq:fyux} F\ YUX]b[\ g^{-1}gYY^{-1}a\ cfY^{-1}fYUX]b[\ g^{-1}cb^{-1}A\ ccX^{-1}Y^{-1}Zcf^{-1}k\ YY\_^{-1}m^{-1}UW^{-1}j]\ ]h]Yg$ 

 $T` ^ f_{Z}Re_{Z}X cVeY_{Z}\\Z_X ac WddZ_R] Vi aVcZV_TVd fdd"&' +!&(*E"`Gci fh.`A Y`Vci fbY.`C I ZcfX I b]j Yfg]hm'$ 

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

Image: Ybwci bhYf'U'dfcV'Ya k \Yb'UhYa dhJb['hc'gi Va ]hmci f'Ugg][ ba Ybht\fci [\'Hi fb]hJbž'd'YUgY

HY'Yd\cbY'9| hYfbU'`Gi ddcfhcb'-', ) '' ' ' %cf'Ya U]`'h\Ya 'cb'Y! 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"'=Imci
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'Y! hYbg]cbž'Vi hmci
a i ghfYhJ]b'mci f'hJW\_Yhbi a VYf'Zfca '9! hYfbU'`Gi ddcfhfU'cb['k]h\'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁ'hc
]bWi XY'Ug'Yj ]XYbW'hc'gi ddcfhmci f'Y! hYbg]cb'Udd']WUhJcb"'=Imci 'Ya U]''9! hYfbU'`Gi ddcfhmci 'k]'`
Ui hca UhJWJ'`mfYWY]j Y'U'hJW\_Yhbi a VYfž'Vi h]Zmci 'hY'Yd\cbY'mci 'k]'``bYYX'hc'gdYWJZJWJ'`mUg\_'Zcf'cbY''
Hi fb]hJb'U'gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhiHug\_g'a i gh'VY'gi Va ]hhYX'Y`YWfcb]WJ``mj ]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh'' = D']bgHJbWYg'k \YfY'h\]g']g'bchdcgg]V'Yž']hk ]``VY'gHJhYX'cb'mci f'Wci fgY'g'A ccX`Y'g]hY'k ]h\

# 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"`=hWJb`hJ\_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b[ 'hc`UVW]XYbhJ``mWcdm]b[ 'Zfca `U`gci fWY`k ]h\ci hUW\_bck `YX[ Ya Ybh'

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

 $\begin{tabular}{ll} \hline \textbf{7.cdm}b[...] g]b[...] MY cf'j Yfmg]a] ``Uf'k cfXg'hc'h\Y'cf][] bU``HYI hcf']XYU'k]h\ci h`U\W_bck ``YX[]b[...] b[...] MY cf'i g]b[...] bU``HYI hcf']XYU'k]h\ci h`U\W_bck ``YX[]b[...] b[...] MY cf'i g]b[...] a UhYf]U`gž']XYUg'cf'WcbW'dhg'\faca '`U'Vcc_\text{z}'Ufh]WY\text{z} bU'Vcd_\text{z}'Ufh]WY\text{z} bU'Vcd_\text{z}'Ufh]WY\text$ 

# 5 WUXYa ]W + DZcfa Uh]cb

8 i Y 'hc 'Yj c'j ]b[ 'UXj ]\W 'VmBGK '< YU't\ ž'ghi XYbhg'a i gh'\W.Y\<u>V</u>'Zcf'i dXUh\YX']bZcfa Uh]cb 'fY[ UfX]b[ 'cb`]bY 'YUfb]b[ 'Zcf'U``'5fhgž'8Yg][ b 'UbX'5f\W.]h\Y\ni fY '\wci fgYg't\]g't\Yfa 'f] ]U'A ccX`Y'cf'\wci fgY']bZcfa Uh]cb dfcj ]\XYX"Ł

: cf`YggYbhJU``gh XYbh`]bZcfa UhJcb`fY`UhJb[ 'hc.

- fYei YghgʻZcfʻYl hYbg]cb/
- `UhY gi Va ]gg]cbg [ i ]XY`]bYg/
- fYj]Yk cZa Uf\_g/
- I BGK '< YU`h\ 'UbX'GUZYhm'dc`]W]Yg/
- YI Ua ]bUh]cb dfcWYXi fYg/

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