CVEN4309



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1.1

Qo o X

UDX 70+

7 ci fgY⁻Cj Yfj]Yk

GHJZZ7cbHJWh78YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]hm	@cWUh]cb	D∖cbY
8Ub]Y``CfG\YU	<u>X"cg\YU4_i bgk "YXi "Ui_</u>	D`YUgY'Ya U]`Zcf Uj U]`UV]`]m"	Fcca [:] %\$, ž <&\$	

GWXcc``7cbHJWhi=bZcfaUhjcb

<u>9b[]bYYf]b[_`Ghi XYbhGi ddcfhGYfj]W</u>g'-'H\Y`Bi WYi g`!`Ybfc`a Ybhž'dfc[fYgg]cb`W\YW_gž'WUg\`fYei Yghgž Wci fgY`]ggi Yg`cf`dfc[fUa !fY`UhYX'ei Yf]Yg`

<u>9b[]bYYf]b[`⊕Xi ghf]U``HfU]b]b[</u>`–`⊕Xi ghf]U``HfU]b]b[`ei Ygh]cbg`

<u>I BGK 'Gh Xm5VfcUX</u>'-gh XmUVfcUX'gh XYbhYbei]f]Yg'fZcf']bVci bX'gh XYbhgŁ'

<u>IBGK '91 W.Ub[Y</u>'-'ghi XYbhYI W.Ub[Y'Ybei]f]Yg'fZcf']bVci bX'ghi XYbhgŁ'

LBGK :: i h fY'Gh XYbhg'-'dchYbh]U``gh XYbhYbei]f]Yg'Y"["'UXa]gg]cbgž'ZYYgž'dfc[fUa gž'WfYX]hhfUbgZYf'

D\cbY'

fŽ*%*&Ł-',)*,)\$\$*-BiWYig'GhiXYbh<iV*

fŽ*%`&Ł'-',)`+**%`**-**`9b[]bYYf]b[`⊕Xi gHf]U``HfU]b]b[`

fŽ*%`&Ł'-',)`'%+-`<mark>-</mark>`IBGK `GhiXm5VfcUX`UbX`IBGK `9IWXUb[Y`fZcf`]bVcibX`ghiXYbhgŁ`

7ci fgY[·]8YHJ]`g

I b]hg cZ7fYX]h**

Gi a a UfmcZ'h Y 7 ci fgY

Ghri WhifU``UbX`7cbghri Whjcb`9b[]bYYfg`aUmVY`fYgdcbg]V`Y`Zcf`h\Y`XYg][b`UbX`Wcbghri Whjcb`cZhjaVYf ghri WhifYg/Zfca`hjaVYf`ZfUaY`\cig]b[`hc`\][\`f]gY`Yb[]bYYfYX`hjaVYf`ghri WhifYg"`H\]g`WcifgY`dfcj]XYg`Ub]bhrcXiWhjcb`hc`h\Y`XYg][b`cZhjaVYf`ghri WhifYg`ig]b[`U`fUb[Y`cZhjaVYf`dfcXiWhg`UbX`h\Y`fY`YjUbh 5ighrU`]Ub`UbX`9ifcdYUb`GhUbXUfXg"

@AF7,FZ[eUagdeW[eTW[`Ydg`ahWdSeZadfWW'' i WW] bWd[aVVgWfafZW5agdeW5a`hWWdTW[`Ya` bSdWfS^WShW[`fZWWSdf[Wdi WW] eaXFWd_ %zFZS`]kagXadg`VWdefS`V[`Y`

FYZYfYbWY hc K YY_g']b h]g hYfa fYZYfg hc h cgY cZHYfa H' 6" K YY_'%Wca a YbWYg cb h Y %+h cZ

HYUWX]b['GhfUhY[]Yg'

@AF7,FZ[eUagdeW[eTW[Ydg`ahWdSeZadfWW'i WW]bWd[aVVgWfafZW5agdeW5a`hWWdTW[Ya`bSdWfS^WShW[`fZWWSdf[Wdi WW]eaXFWd_ %zFZS`]kagXadg`VWdefS`V[`Y`

H\]gʻWcifgYʻk]``VYʻUjU]`UV`Y`\mVf]Xžk]h\`dfY!fYWcfXYX``YWfifYgʻaUXY`UjU]`UV`Y`YUW\`kYY_ž'UbX`kYY_`m kcf_g\cd`dfcV`Yag`XYacbghfUhYX`]b`ZUWY!hc!ZUWY`dfcV`Yaʻgc`j]b[`gYa]bUfg"`H\YgY`gYa]bUfg`k]``VY fYWcfXYX`Zcf`h\cgY`h\Uh`WUbbchaU_Y`]hhrc`WUadig"

7 ci fgY WebhYbhfdfY!fYWefXYX``YWi fYg`UbX`k cf_g\cd`a UhYf]U`gŁ'k]```VY`\cghYX`cb`A ccX`Y`UbX G\UfYDc]bhig]hYg"`A]WfcgcZnHYUa g`k]```VY`i gYX`Zcf`WUgg`X]gW gg]cb`Xi f]b[`hYfa``hc`fYWY]j Y`\Y`d`Zfca``h\Y Wei fgY`Webj YbYf`UbX`XYa cbghfUhcfg"`=h`]g`\][\`mifYWea a YbXYX`h\Uhimei `VY`]bj c`j YX`]b`Ubgk Yf]b[`mei f dYYfg`ei Ygh]cbg`UbX`Yb[U[]b[`]b`X]gW gg]cb"

H\YfY`UfY`bc`UfHYbXUbWY`fYei]fYaYbhgž\ckYjYf`dUghdYfZcfaUbWY`WcbWg]ghYb`mXYacbghfUhYg`U`ghfcb[WcffY`Uhjcb`VYhkYYb`WUgg`]bjc`jYaYbhUbX`ZjbU``ghiXYbhifYgi`hg"

H\Y`hcd]Wg`hc`VY`WcjYfYX`UfY.

KYY_`%```+əhfcXiWfjcb`hc`H]aVYf`9b[]bYYf]b[ž'9b[]bYYf]b[`DfcdYfh]Ygž'6YbX]b[`8Yg][bž'8YZYWfjcb`8Yg][b

K YY_&...7ca dfYgg]cb'8Yg][bž'HYbg]cb'8Yg][b

K YY_' …H]a VYf!H]a VYf'7cbbY₩]cb'8Yg][bž ŧblfcXi ₩]cb'hc'9i fcWcXY') H]a VYf'8Yg][b

K YY_`(^{...}7 fcgg`@Ja]bUHYX`H]a VYf`8Yg][b`fbYbX]b[ž`HYbg]cbž`7 ca dfYgg]cbŁ

K YY_`) ```:]fY 8 Yg][b c Z 7 @H

5XX]h]cbU`7cifgY = bZcfaUh]cb

=b`UXX]h]cb`hc`h\Y`j]Yk]b[`cZh\Y`dfY!fYWcfXYX``YWh fY`j]XYcg`UbX`Wcad`Yh]b[`cb`]bY`hUg_gžmci `UfY YI dYWhYX`hc`Wcaa]hUb`UXX]h]cbU``%\$` `%&`\ci fg`dYf`k YY_`hc`]bXYdYbXYbh`YUfb]b[`UbX`[YbYfU``dfcV`Ya gc`j]b["

H\Y`HYUVX]b[`gHUZZ]b`H\]g`WcifgY`UfY`\YfY`hc`\Y`d`mci`giWWYYX"`=b`cfXYf`hc`fYWY]jY`Ugg]gHUbWY`acgh YZZ]W]YbhmifY[UfX]b[`WcifgY`WcbHYbhz`d`YUgY`VY`dfcUWfjjYžUbX`igY`H\Y`Zc``ck]b[`gHYdg.

% 5g_imci f`YWi fYf`#XYa cbglfUhcfXi f]b['gWXYXi `YX'gYa]bUf`k cf_g\cdg`Zcf`]a a YX]UHY fYgdcbgY & Dcghimci f`ei Ygh]cb`cb`HYUa gž'k \YfY`dYYfg`UbX`gHUZZWUb`ei]W_`mUbgk Yf`mci f`ei YfmffYgdcbgYg dfcj]XYX`k]h\]b`(, `\ci fgŁ

' " 9a U]`'h\Y'Wci fgY'Wcbj YbYf'ffYgdcbgYg'dfcj]XYX'k]h\]b'U'k YY_Ł

=Zmci 'UfY'\Uj]b[']ggi Yg'cZU'WcbZXYbh]U`bUhi fY'd`YUgY'ZYY`'ZfYY'hc'WcbhUWhih\Y'Wci fgY'Wcbj YbYf'VmYa U]` UhiUbmih]a Y'UbX'mci 'k]``fYWY]j Y'U'fYdcbgY'k]h\]b'&'k cf_]b['XUmg''

DYfgcbU``fYgdcbgYg`fc`]bX]j]Xi U``ei Ygh]cbg`fY[UfX]b[`Wci fgY`Wcbh/bhgYbh'Vm'Ya U]``fc`h\Y`Wci fgY

WebjYbYf'a UmHU_Y``cb[Yfž'UbX'gc'dcgh]b[`]b'h\Y'Uddfcdf]UhY'HYUa g'W\UbbY`g']g'fYWea a YbXYX"

5ggYgga Ybh

5ggYgga YbhHJg_	K Y][\h	8iY`8UHY	7cifgY`@YUfb]b[CihWcaYgʻ5ggYggYX
%"`Cb`]bY`FYj]g]cb`AcXi`Yg	%\$I	GYY'AccX`Y'Zcf'XiY'XUHYg	%ž`&ž`'
&"`Dfc[fYgg`Ei]nnYg	' \$I	*da : f]XUmK YY_' UbX K YY_')	%ž`&Ž`'
' "::]bU`:9I Ua]bUh]cb	*\$I	GYY YI Ua "Ha YHUV Y	%ž`&ž`'

5ggYgga Ybh% Cb`]bY F Yj]g]cb A cXi `Yg

8iY`XUHY. GYY`AccX`Y`Zcf`XiY`XUHYg

9UWX 'k YY_ž'fYj]g]cb'dfcV'Ya g'k]``VY'fYei]fYX'hc'VY'Wca d'YhYX'h\fci [\`A ccX'Y']b'h\Y'Zcfa 'cZcb`]bY 'YUfb]b['a cXi 'Yg''H\YfY'UfY'i b`]a]hYX'UhhYa dhg'hc'Wca d'YhY'YUWX 'YUfb]b['a cXi 'Y'VYZcfY'h\Y'Xi Y'XUhY" 9UWX 'bYK 'UhhYa dhidfcj]XYg'mci 'fUbXca]gYX'j U'i Ygž'h\Y'UhhYa dhik]h\rh\Y'\][\Ygha Uf_'k]``VY'fYWcfXYX"

: YYXVUW_`]g`]a a YX]UhY`Zc``ck]b['gi Va]gg]cb"'9UVX`a cXi `Y`]g`k cfh\`h\Y`gUa Y`k Y][\h]b["

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

Zmci WUbbchWca d`YHY`Ubm[]j Yb`a cXi `Y`VYZcfY`H\Y`Xi Y`XUHY`mci `a i ghfYWY]j Y`gdYW]U``Wcbg]XYfUH]cb`Zcf H\Y`Xi fUH]cb`]hk Ug`cdYb"`Zgi WWYggZ `ž`mci f`hcHU``k Y][\H]b[`cZYUW\`a cXi `Y`k]```VY`fY!k Y][\HYX UWWcfX]b[`m

5ggYgga Ybh& Dfc[fYggEi]nnYg

8i Y'XUhY. ** da ': f]XUmiK YY_'' 'UbX'K YY_')

H\YfY'k]``VY'k c'Dfc[fYgg'E i]nnYg'\Y`X'Uh*da 'cb'kY': f]XUmcZK YY_'' 'f('k 'B cj Ł'UbX'K YY_') 'f% k B cj Łz'hc'VY'Wca d`YhYX'k\fci [\`A ccX`Y''H\YfY']g'cbY'UhhYa dhhc'Wca d`YhY'k\Y'ei]n''Ghi XYbhg'a Umi d`cUX \UbX!k f]hYb'k cf_YX'gc'i h]cbg'hc'VY'a Uf_YX'WhkY'Wci fgY'a Uf_Yf'hc'fYWY]j Y'dUfh]U`'a Uf_g''

FYgi `hg`fYhi fbYX'k]h\]b`&'k YY_g`cZYUW\`ei]n

5XX]h]cbU``XYhJ]`g

Zmci `WUbbchig]hU'dfc[fYgg'ei]n'mci 'a i ghifYWY]jY'gdYWJU``Wcbg]XYfUh]cb'df]cf'hc'h\Y`XUhY'''Zgi WWYggZ`ž mci f'k Y][\h]b[`cZYUW\'a]ggYX'ei]n'k]``VY'hfUbgZyffYX'hc'h\Y'Z]bU``YI Ua "'9UW\'ei]n']g'k cfh\'h\Y'gUa Y k Y][\h]b[`f%)। Ł

5ggYgga Ybh'.:]bU`9l Ua]bUh]cb

8 i Y XUHY. GYY YI Ua "h]a YHUV Y

H\Y'ZJbU``YI Ua `]g'U'&`\ci f`CdYb'6cc_`YI Ua]bUh]cb"'H\Y'YI Ua `Wcj Yfg'U``'h\Y'k cf_YX'Wcj YfYX'Xi f]b['h\Y hYfa "'A Uf_g'UfY'Uk UfXYX'Zcf'WcffYWhUbgk Yfgž'UbX'h\YfY'UfY'a Uf_g'dfcj]XYX'Zcf'i g]b['WcffYWha Yh\cXg']Z k cf_]b[']g'i d`cUXYX"

<i fX`Y'fYei]fYa Ybh

5 a Uf_`cZUh`YUgh(\$i_`]b`h\Y`ZbU``YI Ua]bUh]cb`]g`fYei]fYX`VYZcfY`h\Y`WUgg`k cf_`]g`]bWi XYX`]b`h\Y`ZbU` a Uf_"

5HYbXUbW/FYei]fYaYbhg

Ghi XYbhgʻUfYʻghfcb[`mʻYbWci fU[YX'hcʻUhhYbX'U```WUggYgʻUbX'fYj]Yk ``YWhi fYʻfYWcfX]b[g"

7 ci fgY GWX YXi `Y

H\YfY'UfY'fkc'fcd]Wg'WcjYfYX'YUWX'kYY_žYUWX'k]``'VY'f\Y'ZcW'g'cZf\Y'fkc'dfcV`Ya'gc'j]b['gYa]bUfg'f\Uh kYY_"'GcaY'fcd]Wg'aUmifYei]fY'ai`ff]d'Y'gYgg]cbg"

H\Y'hcd]WgWXYXi`Y']g'Ug'Zc``ckg'fbchY'h\]g']g'Ygh]aUhYX'cb`mUbX'giV'YWhc'WXUb[Y'Xif]b['hYfaŁ

KYY_`f8UhYŁ	Hcd]W%	Hcd]W&	5ggYgga Ybh
K YY_`% f1%+h\`C₩4Ł	ŧəhfcXiWMjcbihciH]aVYf 9b[]bYYf]b[6YbX]b[`#HYbg]cb`# 7 ca dfYgg]cb`cZH]a VYf 9`Ya Ybhg	Cb`]bY`@YUfb]b['AcXi`Y'%
KYY_*& f&(h*CW1Ł	6YbX]b[`#HYbg]cb`# 7 ca dfYgg]cb`cZH]a VYf 9`Ya Ybhg	7cbbYWjcb [·] 8Yg][b	Cb`]bY`@YUfb]b['AcXi`Y`&
KYY_" f1%ghCW1Ł	7cbbYWf]cb [·] 8Yg][b	≢∂hfcXiWhjcbihci7@H	Dfc[fYggEi]n'% Cb`]bY'@YUfb]b['AcXi`Y''
KYY_(f⊭h∖BcjŁ	6YbX]b[#HYbg]cb#7 ca dfYgg]cb`cZ7@H	6YbX]b[#HYbg]cb#7 ca dfYgg]cb`cZ7@H	Cb`]bY`@YUfb]b['AcXi`Y'(
KYY_`) f1%(h\`BcjŁ	:]fY`8Yg][b`7@H	FYj]g]cb	Dfc[fYgg`Ei]n`& Cb`]bY`@YUfb]b[`AcXi`Y`)

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]XUbWY`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'miUdd`]Ygž'WUddYX'Uh'Z]j Y'XUmg'f%&\$'\ci fgŁz'UZh'f k \]W\'U'ghi XYbh'WUbbchigi Va]hUb'UggYgga Ybhž'UbX'bc'dYfa]hhYX'j Uf]Uh]cb"

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

6Yk UfY**5b*Ugg][ba Ybhh\Uh]bWi XYg*d*U[]Uf]gYX*a UhYf]U**k]***fYWY]jY*U*\$i=***U]*žUbX*ghi XYbhg*k \c d*U[]Uf]gY*a UmZu]**h\Y*Wci fgY***Ghi XYbhg*k \c*d*U[]Uf]gY*UfY*U*gc**]UV*Y*hc*X]gW]d*]bUfmUWf]cbž*]bWi X]b[YI Wi g]cb*Zfca *Ybfc*a Ybh

D`U[]Uf]ga `]g`h\Y`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

5WUXYa]W=bZcfaUh]cb

:]bU``9I Ua]bUh]cbg.

:]bU``YI Ua g`]b`H' `&\$&&`k]``VY`\Y`X`cb`]bY`VYłk YYb`&) h\`B`cj Ya VYf`!`, h\`8YWYa VYf`&\$&&`]bWi g]j Yž'UbX gi dd`Ya YbhUfm`YI Ua g`VYłk YYb`-h\`!`% h\`>Ubi Ufm&\$&' `]bWi g]j Y"`Nci `UfY`fYei]fYX`hc`VY`Uj U]`UV`Y`cb h\YgY`XUhYg"`D`YUgY`Xc`bchhc`a U_Y`UbmdYfgcbU``cf`hfUj Y``UffUb[Ya Ybhg`Xi f]b[`'h\]g`dYf]cX"'

57589A = 7 58J = 79

- ? YmiGHJZ/tc '7 cbHUWiZcf'5WUXYa]W5Xj]WY flc[']b k]h mci f'n=8 'UbX dUggk cfXŁ <u>\htdg.#lbHUbYHWj Yb["i bgk "YXi "Ui # YmlgHJZI/tc!WcbHUWiXi f]b[!mci flghi X]Yg!UHi bgk</u>
- ?Yml_BGK_8UhYg!'Y["'7Ybgi g'8UhYžYI Ua 'XUhYgž`UghXUmhc'Xfcd'U'Wci fgY'k]h\ci h UWUXYa]\#]bUbW[U```]UV]`]hmiYh\V'
- 7 J 9B 'Gh XYbh = bh UbYh flc [']b k]h 'mci f'n=8 'UbX dUggk cfXŁ '<u>hhdg.#bh UbYh Wj Yb['i bgk "YXi "Ui #gh XYbh]bh UbYh</u>'
- Gli XYbh@]ZY`Uh7J 9Bž]bWi X]b[`Gli XYbh GcW]Yh]Yg. \htdg.#k k k ii bgk "YXi "Ui #/b[]bYYf]b[#Mji]!UbX!Ybj]fcba YbhU`!Yb[]bYYf]b[#ghi XYbh`]ZY`
- GdYWJU``7cbg]XYfUHjcb.<u>\hhdg.##gh XYbh'i bgk "YXi "Ui #gdYWJU`!Wcbg]XYfUHjcb</u>`

5ddYbX]I. '9b[]bYYfg'5ighfU`]U'f195ŁDfcZYgg]cbU`'9b[]bYYf'7cadYhYbWm GHJbXUfX

Dfc[fUa +bhybXYX @YUfb]b[Cihwca Yq ? bck `YX[Y 'UbX 'q_]``'VUqY D9%"%7cadfY\Ybq]iYžh\YcfmVUqYXibXYfqHUbX]b[cZh\YibXYfd]bb]b[bUhifU`UbX d/mg]WU`:gW]YbWYg`UbX`h\Y`Yb[]bYYf]b[`Z bXUa YbHU`g`Udd`]WUV`Y`hc`h\Y`Yb[]bYYf]b[`X]gW]d`]bY D9%"& 7 cbW/dhiU`i bXYfqHUbX]b[cZh\Y`a Uh\Ya Uh\Wažbi a Yf]WU`UbU`mg]qžqHUh|qh\WažUbX Weadi hYf'UbX']bZcfaUh]cb'gW]YbWYg'k\]WX'i bXYfd]b'h\Y'Yb[]bYYf]b['X]gW[d`]bY D9%" ===!XYdh\ i bXYfqHbX]b[cZqdYWU`]qhVcX]YqcZ bck YX[Yk]h\]b'h\YYb[]bYYf]b[X]qWd`]bY D9%"('8]qWFfba YbhcZ_bck YX[YXY]Ycda YbhUbXfYqYUfWXX]fYWfcbg'k]h.jb'h.Y Yb[]bYYf]b[`X]gWJd`]bY D9%") ? bck `YX[Y`cZYb[]bYYf]b[`XYg][b`dfUW]WY`UbX`WcbhYl hi U``ZJW/cfg`]a dUWf]b[`h\Y Yb[]bYYf]b['X]qW[d`]bY D9%"* I bXYfqHJbX]b[cZh\Y'qWcdYždf]bW]dYgžbcfa gžUWVci bHJV]]]h]Yg'UbX'Vci bXg'cZ qi qHU]bUV`Y`Yb[]bYYf]b[`dfUWf\WY`]b`H\Y`qdYW[Z]WX]qW[d`]bY 9b[]bYYf]b['Udd`]WUhcb'UV]`]hm D9&"%5dd`]WUhjcb`cZYghUV`]g\YX'Yb[]bYYf]b[`a Yh\cXg`hc`Wca d`YI 'Yb[]bYYf]b[`dfcV`Ya qc`i]b[D9&"&: `i YbhUdd`]WUhcb'cZYb[]bYYf]b['hYWkb]ei Ygžhcc`g'UbX'fYgci fWfg D9&" 5dd`]WUhjcb`cZgmghYa UhjWYb[]bYYf]b[`gmbh\Yg]g`UbX`XYg][b`dfcWYggYg D9&"('5dd`]WUHcb'cZgmghYa UHWUddfcUWXYg'hc'h\Y'WcbXi WiUbX'a UbU[Ya YbhcZYb[]bYYf]b[dfc YWg DfcZYgg]cbU`UbX dYfgcbU`Uhf]Vi hYg D9' "%'9h\]WU``WcbXi WiUbX'dfcZygg]cbU``UVWci bHUV]`]hm D9' "&'9ZYW) Y'cfU`'UbX'k f)HYb'Wca a i b)WU) cb']b'dfcZygq]cbU`'UbX'`UmXca U]bg D9' "' 7 fYUhi Yžibbci Uhi YUbXidfc!UWi YXYa YUbci f D9' "('DfcZygg]cbU``i gY'UbX'a UbU[Ya YbhcZ]bZcfa Uhcb D9' ") CfXYfma UbU[Ya YbhcZgYZzUbX dfcZygq]cbU`WcbXi Wh D9' "* 9ZYWAJ Y HYUa 'a Ya VYfg\]d UbX HYUa 'YUXYfg\]d