

# CVEN4503

; fci bXk UHYf'F Ygci fW' ðj Ygh[ Uh]cb

HYfa `C bY` `#` `&\$&%

GWcc`cZ7 Jj J`UbX`9bj ]fcb YbU`9b[ ]bYYf]b[ `#` I BGK ``9b[ ]bYYf]b[

7 ci fgY`Cj Yfj ]Yk

GHJZZ'7cbhJWw'8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWWhcb	D\cbY
A Ufh]b`5bXYfgYb	a "UbXYfgYb4 i bgk "YXi "Ui		K F @žA Ub`m J U`Y	

@YWw fYfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWWhcb	D\cbY
K ]`"; `Ua cfY	k "[ `Ua cfY4 i bgk "YXi "Ui		K F @žA Ub`m J U`Y	
8f`A U\`a ccX`GUXUh Bccf]	a "gUXUhbccf]4 i bgk "YXi "Ui		K F @žA Ub`m J U`Y	

GWXcc`7cbhJWw`bZcfa Uh]cb

[9b\[ \]bYYf\]b\[ \]Gh XYbhGi ddcfhGYfj \]Wg](#) -`H\Y`Bi WYi g`!`Ybfc`a Ybždfc[ fYgg]cb`WXYW\_gž`WUg\`fYei Ygłgž`  
Wci fgY`]ggi Yg`cf`dfc[ fUa !fY`UH`X`ei Yf]Yg`

[9b\[ \]bYYf\]b\[ \]`bXi gfh\]U`hfU\]b\]b\[ \]`ei Ygh\]cbg`](#)

[I\\_BGK`Gh Xm5VfcUX`](#) -`gh XmiUVfcUX`gh XYbhYbei ]f]Yg`fZcf`]bVci bX`gh XYbłgł`

[I\\_BGK`9I W\Ub\[ Y`](#) -`gh XYbhYI W\Ub[ Y`Ybei ]f]Yg`fZcf`]bVci bX`gh XYbłgł`

[I\\_BGK`i hi fy`Gh XYbłgł`](#) -`dch`bh]U`gh XYbhYbei ]f]Yg`Y"[ "UXa ]gg]cbgžZYgždfc[ fUa gžWfYX]hfhUbgZYf`

D\cbY`

fZ`\*%&Ł`-` , ) ; ) \$\$\$ -`Bi WYi g`Gh XYbh<i V`

fZ`\*%&Ł`-` , ) `+\*\*% -`9b[ ]bYYf]b[ ]`bXi gfh]U`hfU]b]b[ ]`

fZ`\*%&Ł`-` , ) ``%+ -`I\_BGK`Gh Xm5VfcUX`UbX`I\_BGK`9I W\Ub[ Y`fZcf`]bVci bX`gh XYbłgł`

7ci fgY'8YHJ]`g

7fYX]hDc]bqg`\*`

Gi a a UfmicZ\hY'7ci fgY

F Yj ]Yk `cZ[ fci bXk UHYf`cVWw ffYbWw `]b`5i ghfU`]U""D\mg]Ww`dfcdYfh]Yg`cZ[ fci bXk UHYf`UbX`[ fci bXk UHYf`cVWw ffYbWw""Df]bV]d`Yg`cZ[ fci bXk UHYf`Zck "GrcfU[ Y`UbX`hfUbga ]ggj] ]m!`]a dUWw]cZ[ fci bXk UHYf`UVghfUWw]cb"; fci bXk UHYf`]b`hY`nXfc`c[ ]Ww`WwWw. `Zck `bYhg/gi fZUWw`k UHYf`[ fci bXk UHYf`]bhYfVebBYWw] ]m!`; fci bXk UHYf`a cXY``]b[ "I bgUhi fUHYX`ncbY`Zck `UbX`Ww`Ww `Uh]cb`cZ]bZ]hfUh]cb"; fci bXk UHYf`fYVXUf[ Y`a YVXUb]ga g`UbX`k UHYf`VU`UbWw`Ww`Ww `Uh]cbg`"8f`]]b[ `a YhcXg`Zcf[ fci bXk UHYf`UVghfUWw]cb/[ Ycd\mg]Ww``c[ [ ]b[ /k Y``XYg][ b`UbX`Wca d`Yh]cb`Zcf`k UHYf`dfcXi Ww]cb`VcfYg""Gc`i`h]cbg`hc`hY`fUX]U`Zck `Yei Uh]cb/di`a`d]b[ `hYgh]bhYfdYfUh]cb/U`dfc[ fUa `cZ]Y`X`k`cf\_`UbX`XUfU`UbU`mg]g`k`]``VY`i`bXYfU`Yb`Uh`hY`I`BGK`:`Ufa`]b`K`Y``]b[`hcb"

7ci fgY'5]a g

H\Y`U]a `cZ\h]g`Wci fgY`]g`hc`XYj`Y`cd`U`gh`XYbh]i`bXYfgfUbx]b[ `cZ\hY`cVWw ffYbWw `cZ[ fci bXk UHYf`UbX` \ck`]h]g`]bhYf`]b`YX`k`]h`gi`fZUWw`k`UHYf`"b`UXX]h]cbz`hY`gh`XYbhk`]``i`bXYfgfUbx`hY`VUg]Wa`YhcXg`cZ[ fci bXk UHYf`XYj`Y`cda`Ybh`

@]ghicZdfc[ fUa`a`Y`Uhf]Vi`hYg.


H957 < B; 'GHF 5H9; 9G

Dfj; UH'Gh Xm

## 5ggYgga Ybh

H\]g`Wci fgY`k ]`VY`UggYggYX`VmiHfFY`a ]bcf`Ugg][ ba Ybhg`UbX`cbY`Z]bU`fYdcfhfB`chY. `H\YFY`Jg`bc`YI`Ua`Uhh`Y`YbX`c`Z`H`g`Wci`fgY`E`H\Y`HfFY`a ]bcf`Ugg][ ba Ybhg`Z`k` \]W`h`c`H`U` ) \$i` `c`Z`H`Y`Wci`fgY`a`Uf`\_`Z`UfY`a`Y`Ub`h`c`h`g`h`h`U`h`h`Y`g`h`X`Y`b`h`g`i`b`X`Y`f`g`h`U`b`X`h`Y`W`c`b`h`b`h`c`Z`\_`Y`m`W`X`U`d`h`f`g`]b`h`Y`W`c`i`fgY`b`c`h`Y`g`Ub`X`h`g`h`h`Y`f`W`c`a`d`Y`h`b`W`Y`g`]b`i`g`b`[ ` [ fci bXk UHf` ]bj Ygh[ UH]cb`a`Y`h`c`X`g`"H\Y`mk` ]`U`gc`d`f`c`j`]X`Y`h`Y`g`h`X`Y`b`h`g`k` ]h`Y`U`f`m`Z`Y`X`V`U`W`\_`c`b` \`c`k`h`Y`m`i`U`f`d`f`c`[`f`Y`g`g`]b`[ `k` ]h`h`Y`W`c`i`fgY`"H\Y`Z]bU`f`Y`d`c`f`h`f` ) \$i` `c`Z`H`Y`W`c`i`fgY`a`Uf`\_`E`]g`U`[`f`c`i`d`U`g`g`][`ba`Y`b`h`f`l`g`h`i`X`Y`b`h`g`h`c`U`[`f`c`i`d`E`"H\Y`f`Y`d`c`f`h`k` ]`W`c`b`g`]g`h`c`Z`%`E`U`g`i`a`a`U`f`m`c`Z`h`Y`Z]Y`X`U`W`h`j` ]h`Y`g`U`h`h`Y`K`Y`" ]b`[`h`c`b`:` ]Y`X`F`Y`g`Y`U`f`W`G`h`U`h`c`b`/`&`E`d`f`Y`g`Y`b`h`h`c`b`c`Z`h`Y`f`Y`g`i`h`g`/`U`b`X`" `E`U`b`]b`h`[`f`U`h`X`g`m`b`h`Y`g`]g`c`Z`h`Y`[`f`c`i`b`X`k`U`H`f`d`f`c`W`g`g`Y`g`U`h`h`Y`Z]Y`X`g`h`U`h`c`b`V`U`g`Y`X`c`b`U`"f`Y`g`i`h`g`"9`U`W`X`g`h`i`X`Y`b`h`k` ]` \`U`j`Y`h`c`X`c`U`g`d`Y`W`Z]W`d`U`f`h`c`Z`h`Y`f`Y`d`c`f`h`Z`c`f`]b`X`j` ]X`i`U`"U`g`g`Y`g`g`a`Y`b`h`Z`V`i`h`h`j`g`j`Y`f`m`a`i`W`X`U`W`c`"U`V`c`U`h`j`Y`Y`Z`c`f`h`

H\Y`Z]bU`f`Y`d`c`f`h`k` ]`U`g`g`Y`g`g`h`Y`g`h`i`X`Y`b`h`g`i`b`X`Y`f`g`h`U`b`X`]b`[`c`Z`h`Y`a`Y`h`c`X`g`X`Y`a`c`b`g`h`f`U`h`X`]b`h`Y`Z]Y`X`Z`U`V`]`]m`h`c`d`f`Y`g`Y`b`h`U`b`X`W`]h`W`U`m`U`g`g`Y`g`g`h`Y`e`i`U`]m`c`Z`[`f`c`i`b`X`k`U`H`f`d`f`c`Z]Y`X`X`U`H`c`V`H`U`]b`Y`X`V`m`U`f`U`b`[`Y`c`Z`a`Y`h`c`X`g`U`b`X`Z]bU`m`h`Y`f`U`V`]`]m`h`c`]b`h`f`d`f`Y`h`h`Y`Z]b`X`]b`[`g`]b`f`Y`U`h`c`b`h`c`[`f`c`i`b`X`k`U`H`f`d`f`c`W`g`g`Y`g`"H\Y`d`i`f`d`c`g`Y`c`Z`h`Y`U`g`g`Y`g`g`a`Y`b`h`h`U`g`\_`U`f`Y`h`c`Y`b`U`V`Y`g`h`i`X`Y`b`h`g`h`c`X`Y`j`Y`c`d`h`Y`b`Y`W`g`g`U`f`m`X`Y`d`h`c`Z`i`b`X`Y`f`g`h`U`b`X`]b`[`c`Z`[`f`c`i`b`X`k`U`H`f`f`Y`g`c`i`f`W`g`g`c`h`U`h`h`Y`m`W`U`b`Y`b`h`f`h`Y`k`c`f`\_`Z`c`f`W`U`b`X`W`c`b`h`f`]V`i`h`Y`U`W`W`c`f`X`]b`[`m`

E`f`g`V`W`f`e`i`Z`a`b`W`d`\_`b`a`a`d`k`[`f`Z`W`\_`[`a`d`S`e`e`[Y`\_`W`f`e`S`d`W`d`U`a`\_`\_`W`V`W`f`a`V`[e`U`g`e`e`b`c`d`Y`d`W`e`i`[f`Z`f`Z`W`W`U`f`g`d`W`d`V`g`d`Y`f`Z`W`e`W`\_`W`e`f`W`Z`F`Z`W`X`S`^`Y`c`S`V`W`[e`U`S`U`g`S`f`W`T`S`e`W`a`\_`f`Z`W`[`V`[h`V`g`S`^`S`e`e`W`e`\_`W`f`e`Z`B`S`e`e`[`Y`f`Z`W`U`a`g`d`e`W`d`W`c`g`[d`W`e`S`X`S`^`Y`c`S`V`W`a`X`" ` \_`Z`f`Z`W`5`a`g`d`e`W`5`a`a`d`[`S`f`a`d`d`e`W`h`W`e`f`Z`W`d`Y`Z`f`a`S`V`g`e`f`f`Z`W`X`S`^`e`U`a`d`W`e`T`k`e`U`S`[`Y`[X`S`Y`d`W`W`T`k`f`Z`W`:`W`S`V`a`X`E`U`Z`a`Z`

>S`f`W`e`g`T`\_`[e`e`[a`e`i`[^^T`W`b`W`S`f`e`W`S`f`f`Z`W`d`S`f`W`a`X`#`" `b`W`d`V`S`k`S`X`W`d`f`Z`W`V`g`W`f`\_`W`S`V`V`S`f`W`Z`S`h`W`W`Y`b`[d`W`Z`E`g`T`\_`[e`e`[a`e`\_`a`d`W`f`Z`S`%`V`S`k`e`S`f`W`i`[f`Z`a`g`f`S`h`S`[V`d`W`S`e`a`i`[^^S`g`f`a`\_`S`f`[U`S`k`d`W`U`h`W`S`X`S`[^`\_`S`d`]e`f`Z`

## 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K`Y`][` \`h`	8`i`Y`8`U`h`Y`	G`h`i`X`Y`b`h`@`Y`U`f`b`]b`[`C`i`h`W`c`a`Y`g`5`g`g`Y`g`g`Y`X`
5gg][`ba`Y`bh`%	&\$i	)`#`\$`#`&`\$`&`%`\$`).`\$\$`DA	%`Z`&
5gg][`ba`Y`bh`&`	'`\$i	)`#`\$`#`&`\$`&`%`\$`-`.\$`\$`5`A	%`Z`&
K`Y`" ]b`[`h`c`b`:` ]Y`X`5`gg][`ba`Y`bh`i`	)`\$i	&`#`\$`(#`&`\$`&`%`\$`).`\$\$`DA	%`Z`&`Z`'

## 5ggYgga Ybh8YHU]`g

5ggYgga Ybh`%`5gg][`ba`Y`bh`%

G`h`U`f`h`X`U`h`Y`:`&`#`\$`&`#`\$`&`%`%`\$`\$`5`A

@`Y`b`[`h`:`B`#`5

5ggYgga Ybh&. '5gg][ ba Ybh&

GHUfhXUHY. '\$&#&' #&\$&%%%\$ \$'5A

@Yb[ h. 'B #5

8YHU]`g.

H\]g`Ugg][ ba Ybhk ]``UggYgg`ck `k Y``h\Y`gh XYbhi bXYfghUbX`a UHYf]U`]b`7\UdHYf( `UbX`UV`]]mhc`i gY  
a YhcXg[ fci bXk UHYf`WYa ]g]fm]b`[ fci bXk UHYf`]bj Ygh][ Uh]cbg"

Gi Va ]gg]cb`bchYg. | gY`h\Y`\UbX!]b`Vcl`cb`A ccXY

Hi fb]h]b`gYH]b[ . 'H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh

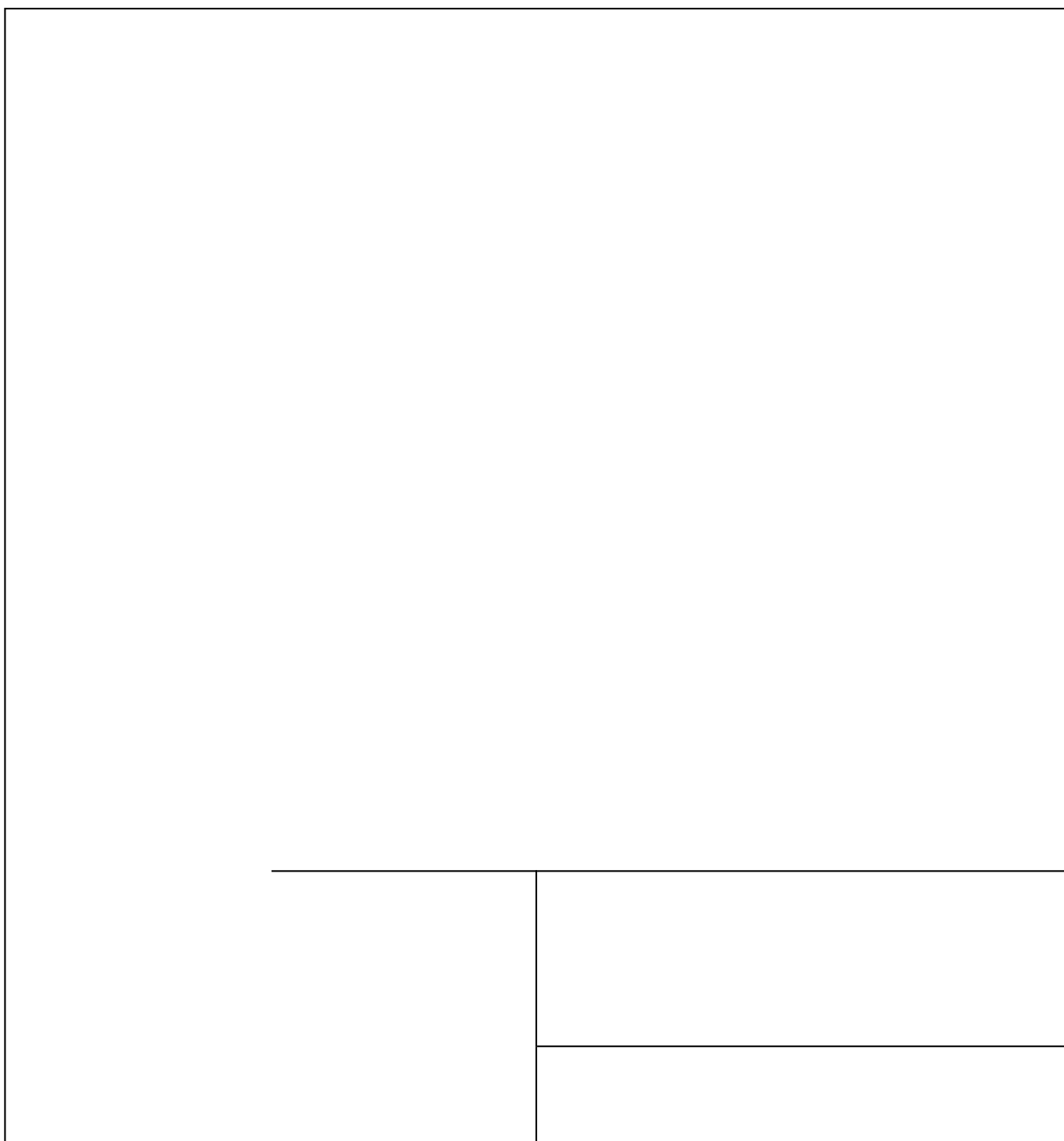
5ggYgga Ybh' . 'K Y``]b[ hc b`: ]Y`X`5gg][ ba Ybh

GHUfhXUHY. '%) #&' #&\$&%\$- . \$ \$'5A

@Yb[ h. 'B #5

8YHU]`g. H\]g`Ugg][ ba Ybhk ]``UggYgg`h\Y`gh XYbhg`i bXYfghUbX]b[ `cZ`h\Y`a YhcXg`XYa`cbghfUHYX`]b`h\Y  
Z]Y`Xz`UV`]mhc`dfYgYbhUbX`W]h]W``mUggYgg`h\Y`ei`U`]mhcZ[ fci bXk UHYf`Z]Y`X`XUHU`cVHU]bYX`VmU`fUb[ Y`cZ  
a YhcXg`UbX`Z]bU``mi`h\Y`]f`UV`]mhc`]bhYfdYh`h\Y`Z]bX]b[ g`]b`fY`UH]cb`hc`[ fci bXk UHYf`dfc`W]ggYg"

Hi fb]h]b`gYH]b[ . 'H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh



		H\]g'g'K cf_g\cd'' 'UbX'jg'cb'a UHYf]U'Zcf 5gg][ ba Ybh&fUggYggUV'YŁ
K YY_(.; 'A UfW '!:%& A UfW	GYa ]bUf	Hi YgXUm- .\$\$!%%\$\$'7 @6 *'f7 YbhfU''@YWhi fy'6'cW_ H\YUHYf'*Ł  Gi fZJW'k UHYf' [ fci bXk UHYf']bhYfUW]cbg  5#ĐfcZK ]''; 'Ua cfY'#8f'A U\ a ccX'GUXUH Bccf]
	K cf_g\cd	Hi YgXUm%%\$\$!% .\$\$'7 @6 *'f7 YbhfU''@YWhi fy'6'cW_ H\YUHYf'*Ł  H\]g'g'K cf_g\cd(' 'UbX'jg'cb'a UHYf]U'Zcf 5gg][ ba Ybh' 'fUggYggUV'YŁ.Gi fZJW'k UHYf' [ fci bXk UHYf']bhYfUW]cbg
K YY_) .)% 'A UfW '!:%- A UfW	: ]Y'Xk cf_	H\]g'g'g'hY'K Y''b[ hcb': ]Y'X'7 ci fgY'k YY_"'K Y'k ]' VY''YUj ]b[ 'GnXbYmcb'A cbXUmhY'%) h' Ufci bX bccb'fYI UWh]a Y'UbX'd'UW' 'H65Ł"K Y'k ]''gUmUh hY'K Y''b[ hcb'7 Uj Yg'7 Ua d[ fci bX" 'H\Y'fYh' fb' h GnXbYmk ]''VY'cb': f]XUmhY' % h' ]b' hY'YUfm UZfYfbccb''''
K YY_* .&&'A UfW '!:& A UfW	: fci d'K cf_	Hi YgXUm- .\$\$!% .\$\$'7 @6 *'f7 YbhfU''@YWhi fy'6'cW_ H\YUHYf'*Ł  K Y''b[ hcb'Z]Y'X'hf]d'Zc''ck'!i d''8 UHU'dfcW'gg]b[ ž hfci VY'g\cch]b[ 'UbX'XUfU'ei U']miUggYgga Ybh'E/ 5
K YY_+. '&'A UfW '!:& 5df]	: fci d'K cf_	Hi YgXUm- .\$\$!% .\$\$'7 @6 *'f7 YbhfU''@YWhi fy'6'cW_ H\YUHYf'*Ł  E/ 5'cb'< nXfc[ Yc'c[ mž; YcWYa ]ghfmUbX'Gi fZJW k UHYf' [ fci bXk UHYf']bhYfUW]cbg"
K YY_(. ) '5df]'!'- '5df]'	: fci d'K cf_	Hi YgXUm- .\$\$!% .\$\$'7 @6 *'f7 YbhfU''@YWhi fy'6'cW_ H\YUHYf'*Ł  E/ 5'cb'< nXfc[ Yc'c[ mž; YcWYa ]ghfmUbX'Gi fZJW k UHYf' [ fci bXk UHYf']bhYfUW]cbg"
K YY_-' .%&'5df]'!'%* 5df]	: fci d'K cf_	Hi YgXUm- .\$\$!% .\$\$'7 @6 *'f7 YbhfU''@YWhi fy'6'cW_ H\YUHYf'*Ł  E/ 5'cb'< nXfc[ Yc'c[ mž; YcWYa ]ghfmUbX'Gi fZJW k UHYf' [ fci bXk UHYf']bhYfUW]cbg"
K YY_%. '%- '5df]'!'& 5df]	: fci d'K cf_	⊖X]j ]Xi U'k cf_' ]b'fYdcf]b[ '[ fci dg'UbX'fYdcfh gi Va ]gg]cb'cb'hY': f]XUmVYzcfY' ) 'da "



F Ygci fWg

DfYgW]VYX`F Ygci fWg`

H\]g`Wci gY`k ]`a U]b`mfY`micb`hY`YW`i fY`bchYg`"H\Y`UW`i U`Y`W`i fYg`UbX`hY`dck Yfdc]bhg`k ]`U`gc`VY  
Uj U]UW`Y`cb`]bY`cb`A ccX`Y`UbX`fYW`fX]b[ `cb`9W`c' \* \$"

F YWca a YbXYX`F Ygci fWg

F YWca a YbXYX`[ YbYfU`hYI hcc\_g`UfY.

Gi Va ]gg]cb 'cZ'5ggYgga YbhiHUg\_g

D`YUgY`fYZf`h`h`Y`A ccX`Y`dU[ `Y`cZ`h`Y`W`i fgY`Z`f`Z` f`h`Y`f`[ `i ]XUbW` `cb`UggYgga YbhiGi Va ]gg]cb"

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

6Yk UFY`5b`Ugg][ ba Ybh`h`Uh]bW`i XYg`d`U[ ]Uf]gYX`a UHf]U`k ]`fYW]j Y`U`\$i : U]žUbX`gh XYb`hg`k` \c  
d`U[ ]Uf]gY`a UmZ]`h`Y`V`e`i fgY`"G`h XYb`hg`k` \c`d`U[ ]Uf]gY`UfY`U`gc`" ]UV`Y`h`c`X]gW]d`]bUfmiUW]cbž]bW`i X]b[  
YI W`i g]cb`Z`ca`Ybfc`a`Yb`h`

D`U[ ]Uf]ga` ]g`h`Y`i` gY`c`ZUbch`Yf`dYfgcb`g`k`cf`\_`cf`]XYUg`Ug`]Z`h`Ymk`YfY`m`e`i`f`c`k`b`"K` \Yb`]h]g`bYW]ggUfmc`f`  
XYg]fUV`Y`h`c`i` gY`c`h`Yf`dYcd`Y`g`a` UHf]U`m`e`i`g`l`c`i`X`UXYe`i`UH`i`m`UW]bck`YX[ Y`k` \cgY`k`cfXg`cf`]XYUg`h`Ym`  
UfY`UbX`k` \YfY`m`e`i`Z`c`i`bX`h`Ya`f[ ]j ]b[ `h`Y`V`e`a`d`Y`h`f`Y`Z`f`Y`b`W`XYH]gž]bW`i X]b[ `dU[ Y`bi`a`VYffg]H`Y`  
@YUfb]b[ `7Yb`f`Y`d`fc`j ]XYg`Z`f`h`Yf`]bZ`c`fa`U]cb`cb`k` \Uh`V`e`b`gh]h`h`Y`g`D`U[ ]Uf]ga`U`h`

[\hdg. #gh XYb`h`i`bgk`"YXi`"Ui`#d`U\[ \]Uf\]ga`](#)

## 5 WUXYa ]WbZcfa Uh]cb

[?Ymi\\_BGK\\_8UHg](#)!`Y[ ""7Ybgi g'8UHžYI Ua `XUHgž`UghXUmih`Xfcd`U`Wci fgY`k ]h`ci hUWUXYa ]W#]bUbW]U`  
`]UV`]mYhW`

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

: ]bU`YI Ua g`]b`HYfa `%k ]`VY`Y`X`cb`]bY`VYhk`YYb`" \$h`5df]`!`%`h`A`Um]bWi`gj`Y``Mci`UfY`fYei`]fYX`hc`VY`  
Uj`U]UV`Y`cb`h`YgY`XUH`g`"D`YUgY`Xc`bch`c`a`U\_Y`UbmdYfgcbU`cf`fUj`Y`UffUb[`Ya`Yb`g`Xi`f]b[`h`g`dYf]cX"

Gi dd`Ya`Yb`Ufm`9I`Ua` ]bUh]cbg.`

Gi dd`Ya`Yb`Ufm`9I`Ua` ]bUh]cbg`Zc`f`HYfa` `%&\$&%k ]`VY`Y`X`cb`&(h`!`&, h`A`Um]bWi`gj`Y`g`ci`X`mci`VY`  
fYei`]fYX`hc`g]hcbY`"Mci`UfY`fYei`]fYX`hc`VY`Uj`U]UV`Y`cb`h`YgY`XUH`g`"D`YUgY`Xc`bch`c`a`U\_Y`UbmdYfgcbU`  
cf`fUj`Y`UffUb[`Ya`Yb`g`Xi`f]b[`h`g`dYf]cX"

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: cf`]bZcfa Uh]cb`UVci`h`