



# CRIM3022

Di V`jW< YU'h`UbX'7 cffYWjcbg

HYfa`Cby`#`&\$&%

GWcc`cZGcWJU`GWYbWg`#`I BGK`5ffg`UbX`GcWU`GWYbWg



7ci fgY`Cj Yfj ]Yk

GHJZ`7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]	5j U]UV]]m	@cW]h]cb	D\cbY
Hcbm6i hYf	hVi hYf4 i bgk "YXi "Ui	9a U]`Zcf Uddc]b]a Yb]g	GUa i Y`g 6i ]X]b[ `fi &) tZ @Yj Y`&	B #5
>UbY`<k Ub[	^UbY`\k Ub[ 4 i bgk "YXi "Ui	9a U]`Zcf Uddc]b]a Yb]g	GUa i Y`g 6i ]X]b[ `fi &) tZ @Yj Y`&	B #5

GWXcc``7cbHJW`bZcfa Uh]cb

7ci fgY'8YHJ]`g

7fYX]hDc]bqg`\*`

Gi a a UfmcZhY'7ci fgY

Df]gcbYfgž`Wca a i b]mVUgYX'cZYbXYfgž`UbX'cHf'XYHJ]bYY [ fci dg`YI Yfh'i [ YžgcW]U`ž`YU'H`UbX  
YWcbca ]W]a dUWg'cb`hY`Wca a i b]mUbX'dcgY'g][ b]Z]WbhWU`Yb[ Yg'Zc'fgcW]Ym'H\cgY`]b`WcbhUWk ]h  
hY`↑gh]W`gmghYa`YbXi fY'gca Y'cZhY`k cfgh`YU'h`ci hWca Yg`]b`hY`Wca a i b]m]b`hYfa g'cZa YbHJ`

XYVUH'k \YfY'hYmk ]''VY'YbWti fU[ YX'hc'k cf\_]b'hUa g]b'dfYdUf]b[ 'WcbhYbhZcf'hY]f'XYVUH]b[ 'hcd]Wg'j ]U  
Ub'cb']bY'X]gW'gg]cb'VcUfX'gYHi d']b'A ccX'Y'''; fci d'XYVUH'g'k ]''dfcj ]XY'Ub'cddecfi b]miZcf'ghi XYbhg'hc  
i bXYfgtUbX'Vch'g]XYg'cZhY'gca Yk \UhWcbfj Yfg]U''bUhi fY'cZhY'cZYbXYf'\YU'h'Z'Y'Xz']bWi X]b[  
YI d'cf]b[ 'UgdYWg'cZ\i a Ub'f] [ \hg'UbX'Yh]Wg'k ]h]b'hY'df]gcb'WcbhYI h''C b']bY'dUf]W]dU]cb'Zcf' [ fci d  
XYVUH'g'k ]''Ugg]gh]b'YbWti fU[ ]b[ 'U[ fci d'YZcfiUbX'dfcj ]XY'U'd'UhZcf'fa 'Zcf'YUgmiX]gW'gg]cb'cZ]XYUg

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
F YZYW]cb'	&)	&\$#\$' #&\$&%') - 'DA	%
Di V]W\YU'h 'dc`]WnVf]YZ	) \$	#\$\$( #&\$&%') - 'DA	%ž&ž' ž(
7`Ugg'XYVUH'	&)	&#\$( #&\$&%') . \$\$'DA	&ž' ž( ž)

## 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% 'F YZYW]cb

GhUfhXUH. 'Bch5dd]WUV`Y

@Yb[ h. , \$!%\$\$\$

8YHJ]`g.

Gh XYbh'k f]Y'U'fYZYW]cb'f] \$!%\$\$\$'k cfXg'cb'hY]f'YUfb]b[ 'UVci hU'hd]WcZ'hY]f'Wc]W'Wc] YfYX']b  
K YY\_`%) 'cZ'hY'Wci fgY" Gh XYbh'k ]'fYZYW]cb'hY'YZYW]cZ'hY]f'YUfb]b[ 'cb'hYa gY] Yg'UbX'hY]f'Z h fY  
k cf\_#dfcZYgg]cb" Gh XYbh'k ]'fYV]j Y'k f]hYb'ZYXVUW'UbX'U'bi a Yf]W]`[ fUXY'hk c'k YY\_g'Z'`ck ]b[  
gi Va ]gg]cb" H'Y'ZYXVUW\_g\YYh#f] Vf]Wk ]'VY'Uj U]UV'Y'hc'gh XYbh'g'c'hUh'hYmW]b'k cf\_'hc'k UfXg  
gdYW]ZYX'ghUbXUfXg"

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

K cfX'`ja ]hg'UfY'gh]W]'5'bi a Yf]W]`[ fUXY'k ]'VY'`[ ]j Yb" HYb'dYf'W]bhcZ'hY' [ fUXY'k ]'VY'`cghZcf'Yj Yfm  
XUmicZ'UH'gi Va ]gg]cb'i d'hc'U'a Ul ]a i a 'cZ) 'XUm]g"5ZYf) 'XUm]g'UH'Ugg][ ba Ybh'k ]'bchVY'UWW'dhYX"  
5D5'cf< Uf] UfX'fYZfYbW]b[ 'ghmY'jg'hc'VY'i gYX"

Hi fb]h]b'gYH]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'hfci [ \ Hi fb]h]b'UbX'gh XYbh'W]b'gYY'Hi fb]h]b]g)a ]Uf]hm  
fYdcf]g"

5ggYgga Ybh& 'Di V]W\YU'h 'dc`]WnVf]YZ

GhUfhXUH. 'Bch5dd]WUV`Y

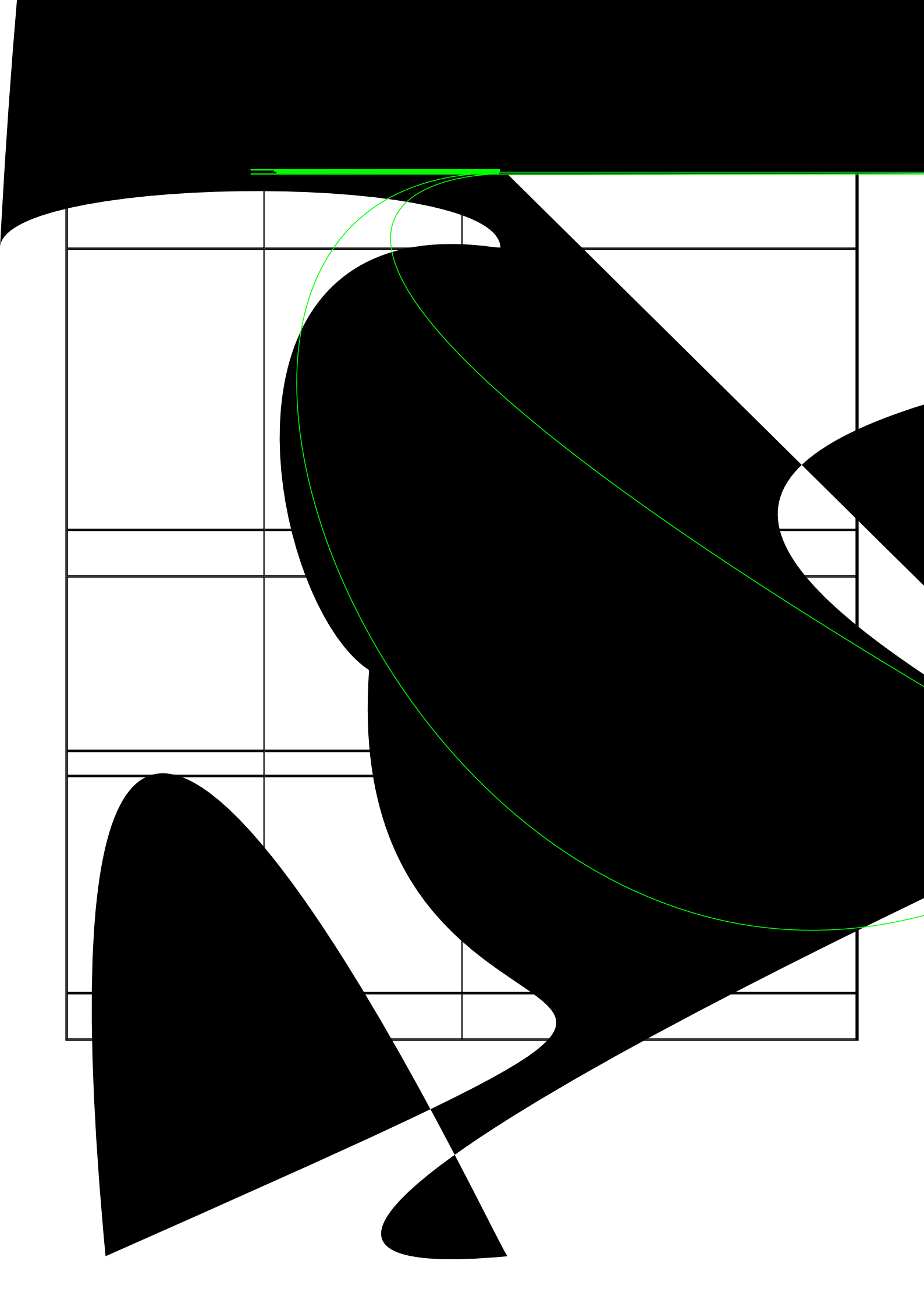
@Yb[ h. '&\$\$\$'k cfXg

8YHJ]`g.

Gh XYbh'k ]'k f]Y'U'&\$\$\$!k cfX'dc`]WnVf]YZcb'U'di V]W\YU'h ]ggi Y'j'b'5i ghU'U'UZZYW]b[ 'df]gcb

dc di `U h]c b g: f Y" [ " " a Y b h U ` \ Y U ` h ž g i V g h U b W ` i g Y ž c f ] b Z ` W h c i g ` X ] g Y U g Y g k " 5 " ` ] g h c Z Y ] [ ] V ` Y ` h c d ] W g ` k ] ` V Y  
d f c j ] X Y X ` h c ` g h i X Y b h g ž V U g Y X ` c b ` h \ Y ` Y W h i f Y g " H \ Y ` g h i X Y b h i k ] ` V Y ` U g \_ Y X ` h c ` U X c d h i h Y ` d Y f g c b U ` c Z U b ` ] b h Y f b  
Z c f ` h \ Y ` 8 Y d U f h a Y b h c Z > i g h ] W ` U b X ` 5 h c f b Y m ; Y b Y f U ` k \ c ` \ U g ` V Y Y b ` U g \_ Y X ` h c ` d f Y d U f Y ` U ` V f ] Y Z b [ ` d U d Y f ` h c ` U  
A ] b ] g h Y f ` c b ` U ` d c ` ] W i f Y g d c b g Y ` h c ` h \ Y ` W X c g Y b ` d i V ] W \ Y U ` h ` ] g g i Y " ` H \ Y ` g h i X Y b h i g \ c i ` X ` W ] h ] W ` m Y I U a ] b Y ` h \ Y







F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

5j U]UV`Y`cb`A`ccX`Y

F YWca a YbXYX`F Ygci fWg

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

H\]g`Wci fgY`\Ug`i bXYf[ cbY`Wcb]bi ci g`Yj U`i Uh]cb`UbX`XYj Y`cda Ybhg]bVW`]rg`ZfghcZZf]b[ `]b`&\$%+`  
Gh XYbhZYXVUW`fY[ UfX]b[ `hY`Wci fgY`\Ug`VYYb`Wc`YWYX`j ]U`hY`i b]j Yfg]m]g`A m9I dYf]YbVW`gi fj Ymg  
UbX`j ]U`dYfgcbU`Wc`ffYgdcbXYbVW`k ]h`Wci fgY`ghUZZ`GHUZZ`c`h]g`Wci fgY`\Uj Y`Wca d`YhX`hY`i b]j Yfg]m]g  
: ci bXUh]cbg`cZi b]j Yfg]mi@YUfb]b[ `UbX`HYUW]b[ `dfc[ fUa žk \]W`\Ug`Yei ]ddYX`hYa `k ]h`YZZW]j Y  
Yj U`i Uh]cb`hc`g`hc`UggYgg`hY`gfi W]i fY`UbX`XY`j] YfmicZWci fgY`Wcb]b]b]UggYgga Ybh]UbX`ZYXVUW`"  
9I Ua d`Yg`cZWci fgY`XYj Y`cda Ybh]b`fYgdcbgY`hc`gh`XYbhZYXVUW`UbX`ghUZZYj U`i Uh]cb`Zca `&\$%-  
]bWi XY`Ub`UX↑ ghYX`h]a Y`]bY`Zc`f`UggYgga Ybhg`&`UbX`" žUX↑ g]a Ybhg`hc`hY`cfXYf`cZ`YW]i fYgž`UbX`bYk `m



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

D`U[ ]Uf]ga ]g`i]g]b[ `hY`k cfXg`cf]XYUg`cZc`hYfg`UbX`dFYgYbh]b[ `hYa`Ug`mci`f`ck`b`" #WU`b`hU`\_Y`a`Ubm`Z`cfa`g`Z`ca`XY`]VYfUH`VX`YU]b[ `hc`UW]XYbhU`m`W`dm]b[ `Z`ca`U`gci`fW`k`]h`ci`hUW`bck`YX[ Ya`Ybh`

I`BGK`[`fci`dg`d`U[ ]Uf]ga`]bhc`hY`Z`ck`]b[ `WU]`[`cf]Yg.

7`cdm]b[ `i`g]b[ `hY`gUa`Y`cf`j`Yfmg]a`]Uf`k`cfXg`hc`hY`cf][`]bU`hY`hcf`]XYU`k`]h`ci`hUW`bck`YX[ ]b[ `hY`gci`fW`cf`i`g]b[ `ei`chU]cb`a`Uf`\_g`"H`]g`U`gc`Udd`]Yg`hc`]a`U[ Yg`Z`Ufh`UbX`XYg][`b`dfc`YW]g`Z`Ug`k`Y`U`g`dFYgYbhU]cbg`k`YfY`gca`YcbY`dFYgYbh]`Ubch`Yf`g`]XYUg`cf`k`cfXg`k`]h`ci`hWYX]h`

#Uddfcdf]U]h`dUfUd`fUg]b[ `7`U`b[ ]b[ `U`Z`k`k`cfXg`UbX`d`fUgYg`k`Y`a`cghm`fYhU]b]b[ `hY`cf][`]bU`ghf`W`fY`UbX`#`f`dfc[`fYgg]cb`cZ]XYUg`cZ`hY`cf][`]bU`Z`UbX`]bZ`cfa`U]cb`k`]h`ci`hUW`bck`YX[ Ya`Ybh`H`]g`U`gc`Udd`]Yg`]b`dFYgYbhU]cbg`k`YfY`gca`YcbY`dUfUd`fUgYg`Ubch`Yf`g`]XYUg`cf`k`cfXg`k`]h`ci`hWYX]h`UbX`hc`d]YW]b[ `hc[ Yh`Yf`ei`ch`g`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`c`Y`Z`k`]h`ci`hUddfcdf]U]h`fY`ZYfYbW]b[ "

7`c`i`g]cb.`k`cf`\_]b[ `k`]h`c`hYfg`Vi`hdUgg]b[ `cZ`hY`k`cf`\_`Ug`U`dYfgcb`g`]bX]j`]Xi`U`k`cf`\_`7`c`i`g]cb`U`gc`]bWi`XYg`dfcj`]X]b[ `mci`f`k`cf`\_`hc`Ubch`Yf`g]h`XYbhVY`Z`c`fY`hY`Xi`Y`XU]h`Z`c`f`Z`c`f`hY`di`fdcgY`cZ`hYa`d`U[ ]Uf]g]b[ `Uh`Ubmi]ja`Y`Z`dUm]b[ `Ubch`Yf`dYfgcb`hc`dYfZ`cfa`Ub`UWUXYa`]W]Ug`\_`Z`gh`U`]b[ `cf`UW`i`]f]b[ `Ubch`Yf`dYfgcb`g`UWUXYa`]Wk`cf`\_`UbX`W`dm]b[ `]Z`cZ`Yf]b[ `hc`W`ca`d`Yh`Ubch`Yf`dYfgcb`g`k`cf`\_`cf`gYY`\_]b[ `dUma`YbhZ`c`W`ca`d`Y]b[ `UWUXYa`]Wk`cf`\_`

#Uddfcdf]U]h`W]hU]cb.`7`]h]b[ `gci`fW]g`k`Y`W`U`j`Y`bchVYYb`fYUX`Z`k`]h`ci`hUW`bck`YX[ ]b[ `hY`gYW`bXUfm`gci`fW`Z`ca`k`Y`W`\_`bck`YX[ Y`cZ`hYa`U`g`VYYb`c`VhU]bYX"

8`i`d`]WU]cb`f`f`gY`Z`d`U[ ]Uf]ga`E`gi`Va`]h]b[ `mci`f`ck`b`k`cf`\_`Z`]b`k`c`Y`cf`]b`dUf]Z`k`YfY`]h`Ug`dFYj`]ci`g`m`VYYb`dFYdUfYX`cf`gi`Va`]hYX`Z`c`f`Ubch`Yf`UggYgga`Ybhcf`W`i`fgY`Uhi`BGK`cf`Ubch`Yf`i`b]j`Yfg]h`

7`c`fY`W]fY`ZYfYbW]b[ `dfUW]W]g.

- DUFUd`fUg]b[ `Z`gi`a`a`Uf]g]b[ `Z`YggUm`k`f]h]b[ `UbX`h]a`Y`a`UbU[ Ya`Ybh`
-



5 WUXYa ]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `tc.

- fYei Yg]Zcf`YI H`bg]cb/

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