



CRIM2042

9l d`U]b]b[`7 f]a Y

HYfa `H\fYY`##`&\$%-



7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUW`i8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
8f`?Yj`8YfhUX]Ub	_"XYfhUX]Ub4 i bgk "YXi "Ui	6mUddc]bha Ybh	A cfj Yb`6fck b` %%-	f\$&£-' ,) &\$%-
8f`D\j`]d`K UXXg	d"k UXXg4 i bgk "YXi "Ui	6mUddc]bha Ybh	A cfj Yb`6fck b` %%+	f\$&£-' ,) &' %&

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A cfj Yb`6fck b`7&\$

Ya Uj`.gcgg4 i bgk "YXi "Ui

d\cbY.`\$&-' ,)`% \$+

7ci fgY'8YHJ]`g

7fYX]hDc]bqg`*`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWh5fYU.'5d_ [a`aYk

K \UhWli gYg'W]a Y3'K \c'jg'a cFY`_Y'mic'cZYbX'UbX'k \m8'K \UhWUb'k Y'Xc'rc'dfYj YbhW]a Y3'<ck'XcYg W]a]bc`c[]W]`hYcfm\Y'd'i g'i bXYfgHUbX'hY'W ffYbhW]a]bU`↑ gh]W'gmgh'a 3'H\]g'Wci fgY'Vi]Xg'i dcb mci f'i bXYfgHUbX]b['cZ\hY'a U'cf'hYcfYh]W]`UddfcUW\Yg'rc'W]a Y'UbX'W]a]bU`↑ gh]W'z'UbX'gYY_g'rc Ubgk Yf'hY'UVcj Y'ei Ygh]cbg"7 f]a]bc`c[]W]`hYcfmk]`VY'W]h]W]`mYI Ua]bYX'Zcf']rg'i h']m]b'XYj Y'cd]b[dc']WnfygdcbgYg'UbX'i bXYfgHUbX]b['hY'\]ghcf]W]`UbX'Wcbh'a dcfUfmXYj Y'cda YbhcZci f'i bXYfgHUbX]b[g cZW]a Yz'W]a]bU']miUbX'hY'W]a]bU`↑ gh]W'gmgh'a "G]a]Uf'rc'chYf'gcV]U`gW]YbW'gž'W]a]bc`c[m]g'U fYZYI]j Y'X]gW]d']bY'k \YfYVmdUfhicZ\hY'W]a]bc`c[]W]`YbhYfd]gY'jg'rc'W]h]W]`mYI Ua]bY'W]a]bc`c[m]rgY'Z K Y'k]`cc_'UhhYcf]Yg'hUhhY'd'i g'rc'i bXYfgHUbX'k \Uh[YbYfUH'g'W]a Yz'\ck'rc'dfYj YbhW]a Y'UbX'\ck W]a Y'jg'VYghXYU'hk]h"

7ci fgY'@YUfb]b['Ci hWca Yg

% @cWUHy'W ffYbhW]a Y'dc']Wmk]h]b'hY'WcbhYI hcZW]a]bc`c[]W]`hYcfm
&" →Ybh]ZmghfYb[h'g'UbX'k YU_bYggYg:]b'Wcbh'a dcfUfmdi V]WXYVUH'g'UbX'W]a Y'Wcbh'c'dc']W]Yg'UbX UggYgg'hY'j U']X]micZi bXYf'm]b['hYcfYh]W]`Uggi a dh]cbg
' " A Ud'hY'g\]Zg']b'W]a]bc`c[]W]`hYcfmZca 'hY'UH'%'h'W]bhi fmlc'W ffYbhXUm
(" →Ybh]ZmhYcfYh]W]`UddfcUW\Yg'UXcdhY'X']b'i bXYfgHUbX]b['W]a Yz'Wli gYg'cZW]a Yz'di b]g\va Ybh fUH]cbU'Y'UbX'ghfUH' []Yg
) " 8Ya cbghfUH'mci f'i bXYfgHUbX]b[g'cZW]a Y'hYcfmUbX'dc']Wnh'fci [\gW'c'UfmiX]gW gg]cbž XYVUH'UbX'k f]h'Y'b'UbU'mg]g'cZW]gY'gfi Xma UH'f]U'UbX'dc']W]Yg

HYUW\]b['GhfUH' []Yg`

H\]g'Wci fgY'\Ug'VYYb'XYg][bYX'rc'YI dUbX'mci f'i bXYfgHUbX]b['cZW]a]bc`c[]W]`hYcf]Yg'UbX'hY]f fY'UH]cbg\]d'rc'dc']WnUbX'dfUW]W]z'Vi]X]b['cb'df]cf'YI dYf]YbW'UbX'_bck'YX[Y'j'bw] X]b['hUh[U]bYX']b 7F -A %\$%\$'UbX'#f'7F -A %\$%\$'Wci d'YX'k]h'UbmiY'YW]j Yg'U` † U

]bZcfa Uhc b'gc' h'Uhmc i' WUb'fYZYWhi dcb'h'Y']ggi Yg'fU]gYX'UbX'h'Yb'X]gW gg'h'Ya ']b'h' h'cf]U'g"@YWh' fYg
UfY']bh' bXYX' h'c' VY']bh' fUWh' j' Y' UbX' h'ci [\hidfcj c_]b['UbX'a Um]bWh' XY'[i YghdfYgYbh'fgz'h'Y'i gY'cZ]]XYc
W]dg'UbX'Z'a gZ'WUgY'gh' X]YgZ'ga U'![fci d'UWh' j]h'YgZ'dfcV'Ya 'VUgYX'UWh' j]h'Yg'UbX'dU]f'k cf_" H\Y'YWh' fYg
UfY'XYg][bYX'h'c'gi dd'Ya Ybh]bXYdYbXYbhghi Xmc b'h'Y' Wc' i fgY' h'UhVY[]bg'fVi hg\ci 'X' bchYbX'k]h' Wc'gY
Yb[U[Ya Ybhk]h' h'Y'k YY_'mfYei]fYX'fYUX]b[g"

Hi h'cf]U'g'k]' Wc'bg]ghcZWc''YWh' j' Y'Yi Ua]bUhc b'j]U'WUgg'X]gW gg]cb'cZ'h'Y'h'Ycf]Yg'Yi Ua]bYX']b'h'Y
gi V'YWh'UbX'Udd']W]h'cb'cZ'h'Ya 'h'c'Yi Ua d'Yg'cZ'W'a]bU'VY\Uj]ci f'UbX'Yj Ybhg"K Y'h'U_Y'h'Y'j]Yk' h'Uh'h'Y
WUggfcca']g'U'W'YU'h'j Y'gdUW'UbX'h'Uh'_bck' YX[Yz'fU'h'Yf'h'Ub'VY]b[']a dUfh'X']g'W'YU'h'X'UbX'fYW'YU'h'X
]b'h']g'gdUW''H\Y'gi W'Y'gg'cZ'h']g'dfcV'gg'XYdYbXg'i dcb'h'Y'X]U'c[i Y'YghUV']g\YX'VY'h' Y'Yb'dUfh'W]dU'bhg
fghi XYbhg'UbX'h' h'c'fg' 5Wh' j' Y'dUfh'W]dU'h'cb']b'h'Y'h' h'cf]U'g']g'YggYbh'U''K YY_'mih' h'cf]U'g'U'ck' 'mci' h'c'
X]gW gg'ei Ygh'cbgZ'h'Ya Yg'UbX']ggi Yg'Uf]g]b['Z'ca' 'mci' f']bXYdYbXYbhghi Xnz'Ug'k Y''Ug'dfcj]X]b['h'Y
cddcfi b]mih'c' Yb[U[Y']b'dfcXi Wh' j' Y'X]gW gg]cb'k]h' mci' f'dYYfg"

dfcgYW hX`j b`hY`BGK`8]gh]Wh7ci fh`

GY`YWhCB9`cZhY`Z`ck]b[`WUgY`ghi X]Yg.

7UgY`Gh Xm5.`\hfd.## k k "Ui gh]]YXi "Ui #Ui #WUgYg#bgk #BGK 87 #&\$%{ # \$&"\ha`

7UgY`Gh Xm6.`\hfd.## k k "Ui gh]]YXi "Ui #Ui #WUgYg#bgk #BGK 87 #&\$% #&&"\ha`

7UgY`Gh Xm7.`\hfd.## k k "Ui gh]]YXi "Ui #Ui #WUgYg#bgk #BGK 87 #&\$%# \$" \ha`

I`g]b[`HK`C`cZhY`hYcf]Yg#dYfgdYW]j Yg`X]gW`ggYX`Zca`K`YY`(!,`j b`hY`Wci fgYzW]h]WU`mUbU`mgY`mci f`WUgY`ghi Xm]b`fY`Uh]cb`hc`hY`W]ja`Y`Wca`a`]hYXz`hY`cZYbXYfzj`]W]ja`z`UggcW]U]hY`X`Z]W]g`UbX`dYbU`hm`UbXYX`Xck`b`

#`mci f`Ub]gk`Yf`mci`a`i`ghYl`d`U]b`lck`hY`hYcfY]h]WU`UddfcUW]Yg`Y`d`hc`i`bXYfg]UbX`cf`Yl`d`U]b`hY`WUgY`ghi`Xm]mci`Uj`Y`W]cgYb`VmWca`dUf]b[`#W`bhfUgh]b[`hY`hYcf]Yg`UbXz]b`Xc]b[`gcZ`ci`h]b]b[`hY`ghfYb[`hg`UbX`k`YU`bYggYg`cZhY`hYcf]Yg`

H\]g`]g`bchU`XYgW]d]h]j`Y`bUffU]h]j`Y`gc`d`YUgY`Xc`bch]g]a`d`m]fY`U]h]j`hY`ghc`fmcZ`hY`cZYbW]z`cf`XYgW]VY`hY`j]bX]j`]Xi`U`g`]bj`c`j`YX`/mci`a`i`ghUdd`m]mci`f`hYcfY]h]WU`i`bXYfg]UbX]b[`hc`mci`f`UbU`mg]g`cZhY`WUgY`ghi`Xm`

5ggYgga`Ybh7`f]h]f]U

%`8Ya`cbgfU]h]cb`cZ]b]XYd]h`i`bXYfg]UbX]b[`cZ]W]cgYb`hYcfY]h]WU`WcbW]d]hg`UbX`hc`g`cZUbU`mg]g/

&`5V]]]m]hc`Udd`m]hYcfY]h]WU`WcbW]d]hg`hc`WUgY`ghi`Xm]h]fci`[`\]b]XYd]h`X]gW`gg]cb`cZ]W]ja`Yz`cZYbXYfzj`]W]ja`z`UggcW]U]hY`X`Z]W]g`UbX`dYbU`hm`UbXYX`Xck`b/

'`5V]]]m]hc`Yb[`U[`Y`]b`W]h]WU`X]gW`gg]cb/

("`5V]]]m]hc`gi`a`a`Uf]gY`UbX`Yj`U`i`U]h]ei`U`]h]Yg`cZhYcf]Yg`W]cgYb`Zcf`UbU`mg]g/

)`5V]]]m]hc`Wca`dUfY`UbX`WcbhfUgh]hY`ghfYb[`hg]UbX`k`YU`bYggYg`cZhY`hk`c`W]cgYb`hYcf]Yg/

*`8Ya`cbgfU]h]cb`cZ]b]Zca`U]h]cb`h]h]fUW]h]g_]`g`]"Y`"UV]]]m]hc`Uddfcdf]U]h]m]cW]h]z`Yj`U`i`U]h]UbX`i`gY`fY`Yj`Ub]hUW]X]Ya`]W]fYgYUfW]UbX`h]h]fU]h]fY/

+`8Ya`cbgfU]h]cb`cZUW]X]Ya`]W]k`f]h]b[`g_]`gZ`U`c[`]WU`UbX`Wca`YfYbhUf[`i`a`Yb]z`UbX`WUf]m]cZk`f]h]b`Yl`dfYgg]cb`]bW]X]b[`c]j`YfU`d`fYgYb]h]cb`f[`fUa`a`Ufz`gdY`b[`z`k`f]h]b`Yl`dfYgg]cb`z`Yh]W]h/

,`5ddfcdf]U]h]UbX`Wcbg]gh]Ybh]fYz`fYb]W]b[`"

Hi`fb]h]b`gY]h]b[`.H\]g`Ugg][`ba`Ybh]g`gi`Va`]h]h]X`h]fci`[`\`Hi`fb]h]b`UbX`ghi`XYb]hg`Xc`bch]g]YY`Hi`fb]h]b`g]a`]Uf]m]fYdcf]g`

Hi`fb]h]b`gY]h]b[`.H\]g`Ugg][`ba`Ybh]g`gi`Va`]h]h]X`h]fci`[`\`Hi`fb]h]b`UbX`ghi`XYb]hg`Xc`bch]g]YY`Hi`fb]h]b`g]a`]Uf]m]fYdcf]g`

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

GhufhXUHY.

8YHJ]g. '&\ci f'YI Ua]b'Zcfa U'YI Ua]bUhc'b'dYf]cX''H\]g']g'h\Y'Z]bU'UggYgga Ybh]b'h\Y'Wci fgY'Zcf'h\Y
di fdcgY'cZh\Y'UhhYbXUbW'fYei]fYa Ybh'

5XX]h]cbU'XYHJ]g.

H\Y'YI Ua]bUhc'b'k]''VY'cZlk c'\ci fg'Xi fUhc'b/bc'Vcc_g'cf'ch\Yf'Ugg]ghUbw'k]''VY'dYfa]hX']b'h\Y
YI Ua]bUhc'b'fcca ''H\Y'YI Ua 'k]''Wcj Yf'Wcbh'bhZca 'Wci fgY''YWfi fYgž'hi hcf]Ugž'cb']bY'Wcbh'bhž'UbX

F Ygci fWg

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7cfY`hYI hfUj U]UV`Y`Uhi BGK `7c!cd`6cc_ghcFYŁ

6YfbUfXžH"žGb]dYgž>"UbX"; Yfci `Xž5" f&\$%) Ł" J c`X`g`H\YcfYh]WU`7 fja]bc`c[m+h`YX"BYk`Mcf_`C I ZcfX I b]j Yfg]mDfYgg"

F YWta a YbXYX`F Ygci fWg

DfYgW]VYX`UbX`F YWta a YbXYX`F YUX]b[g`UbX`F Ygci fWg`UXX]hcbU`hc`hY`hYI h`cc_`k]`VY`Uj U]UV`Y`cb hY`A ccX`Y`g]hžk]h`fYgci fWg`Uj U]UV`Y`h`fci [\`@Y[Ubhc`UbX`hY`I BGK ``]VfUfm`

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

6ch`Zcfa U`UbX`]bZcfa U`ZYXVUW`cb`h]g`Wci fgY`]g`k`Y`Wta Y`Zca`ghi XYbhg`h`fci [\`ci h`hY`gYa YghYF" Gh XYbhZYXVUW`cb`hY`Wci fgY`WcbhYbž`UggYgga Ybhg`UbX`Zcfa Uhd`Umrg`Ub`ja dcfhUbhfc`Y`]b`hY XYj Y`cda YbhUbX`Yj`ci`hcb`cZci`f`Wci fgYgž`hc`Ybgi`fY`h`Uhk`Y`a`U`Y`hY`bYW`ggUfmUXUdh]cbg`hc`hY Wci fgY`Zcf`hY`Z`h`fY`"H\]g`gYa YghYf`k`Y`k`]`VY`gYY_]b[`ZYXVUW`Zca`mci`Uhj`Uf]ci`g`dc]bhg`]b`hY Wci fgY`ž`UbX`UfY`]bhYfYghYX`]b`i`bXYfg]UbX]b[`]ZUbX`\ck`Wci fgY`UW]j`]hYg`Ugg]gh]b`mci`f`XYj`Y`cda`YbhUg`Ub]bXYdYbXYbh`YUfbYF`K`Y`k`]`U`gc`VY`i`g]b[`hY`I`b]j`Yfg]m]g`a`m]dYf]YbW`gng]hYa`hc`Yj`U`i`UhY`hY`Wci`fgYž`Vi`h`mci`UfY`k`Y`Wta`Y`hc`Wta`a`i`b]W]hY`UbmichYf`ZYXVUW`hc`mci`f`YW]h`fYfg`cf`h`hc`f`UhUbm]ja`Y`"F`YW`bh ZYXVUW`fYW]j`YX`cb`h]g`Wci`fgY`\Ug`fYgi`hYX`]b`ja`dfcj`Ya`Ybhg`hc`Wci`fgY`WcbhYbž`XY`]j`YfmUbX UggYgga`YbhUg_g`Zcf`ghi`XYbhg"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

Ẓmci `YbWci bhYf`U`dfcV`Ya `k \Yb`U`H`Ya dh]b[`hc`gi Va]hmc i f`Ugg][ba YbhHfci [\`Hi fb]h]bžd`YUgY
H`Yd\cbY`9I H`fbU`Gi ddcfhcb`-` ,) `` `` ` %cf`Ya U]`H`Ya `cb`YI H`fbU`H`hgi ddcfh4 i bgk "YXi "Ui ``Gi ddcfh
\ci fg`UfY` , .\$\$Ua `--`%\$. \$\$da `cb`k YY_XUmg`UbX`- . \$\$Ua `--`) . \$\$da `cb`k YY_YbXg`fI *) `XUmg`U`m`YUfL` Ẓmci
UfY`i bUV`Y`hc`gi Va]hmc i f`Ugg][ba YbhXi Y`hc`U`ZU`i`hik]H`Hi fb]h]b`mci `a UmiUdd`miZc`f`Ub`YI H`bg]cbžVi hmc i
a i ghfYH]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[`k]H`Ubmch`Yf`fY`Yj UbhXcW a YbHgk`hc
]bWi XY`Ug`Yj]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k]`

5 WUXYa]W<cbYghmiUbX`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" `#WUb`hU`Y`a`Ubm
Zcfa`gž`Zca`XY`]VYfUHy`W`Y`U`h]b[`h`U`W`Y`X`Y`b`U`m`W`d`m]b[`Zca`U`gci`f`W`k`]h`ci`h`U`W`_`b`ck`Y`X[`Ya`Y`b`h`

- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ

5 WUXYa]WbZcfa Uh]cb`

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

- fYei Ygh]Zcf`YI h`bg]cb/
- `Uh]`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
-