



CRIM1010

7 f]a]bc`c[m'5b' ðhfcXi W]cb

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



GWXcc`cZGcWJU`GWYbWg`#`I BGK ``5ffg`UbX`GcWJU`GWYbWg

7ci fgY`Cj Yfj]Yk

`GHUZZ7cbfUW`i8YfU]`g`

`7cbj Ybcfg`

B Ua Y	9a U`	5j U]UV]]m	@cW]h]cb	D\cbY
; Ycf[Y`f? Yj Ł 8YfU]Ub	_"XYfU]Ub4 i bgk "YXi "Ui	6mUddc]bħa Ybh	%%- `A cfj Yb	

7 ci fgY'8YHJ>`g

7 fYX]hDc]bHg`*`

Gi a a UfmcZ`h`Y'7 ci fgY

Gi V`Y`W`h`5`f`Y`U`.'`7`f`j`a`]bc`c`[m`i`b`h`f`c`X`i` W`g`'h`Y`_'`Y`m`i`W`c`b`W`d`h`g`'U`b`X`'W` f`f`Y`b`h`X`Y`V`U`H`g`'j`b`'W`f`j`a`]bc`c`[m`i`'7`c`j` Y`f`g`'V`U`g`]W`]g`g`i` Y`g`'g`i` W`'U`g`'h`Y`'X`Y`Z`b`]h`c`b`z`a` Y`U`g`i` f`Y`a` Y`b`h`U`b`X`'Y`i` d`'U`b`U`h`c`b`g`'c`Z`W`f`j`a` Y`z`g`c`W`Y`H`U`'f`Y`U`W`h`c`b`g`'h`c`'W`f`j`a` Y`z` W`f`j`a`]bc`c`[]W`'h`Y`c`f`]Y`g`z`h`Y`'f`c`'Y`'c`Z`f`Y`g`Y`U`f`W`X`'U`b`X`'h`Y`'j`b`Z`i` Y`b`W`'c`Z`W`f`j`a`]bc`c`[m`c`b`'d`i` V`'j`W`d`c`'j`W`f`i`

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

%` C`i` h`j`b`Y`'h`Y`'g`W`c`d`Y`z`U`j`a` g`'U`b`X`'d`f`U`W`h`W`g`'c`Z`7`f`j`a`]bc`c`[m`i`U`g`'U`'X`]g`W`d`'j`b`Y`/`
&` " `X`Y`b`h`j`Z`m`_'Y`m`d`'U`m`Y`f`g`z`h`Y`a` Y`g`'U`b`X`'X`Y`V`U`H`g`'U`V`c`i` h`W`f`j`a` Y`
'` " `8`Y`a` c`b`g`h`U`H`'U`b`'i` b`X`Y`f`g`h`U`b`X`]b[`c`Z`_'Y`m`W`f`j`a`]bc`c`[]W`'h`Y`c`f`]Y`g`'U`b`X`'W`c`b`W`d`h`g`'h`f`c`i` [`W`f`h`W`U`
Y`b`[U`[Y`a` Y`b`h`k`]h`']h`Y`f`U`h`i` f`Y`z`b`Y`k` g`'U`b`X`'c`h`Y`f`'a` Y`X`]U`
(` " `8`Y`g`W`f`j`Y`Y`'U`j` U`f`]Y`m`c`Z`k` U`m`g`'h`c`'X`Y`Z`b`Y`z`a` Y`U`g`i` f`Y`'U`b`X`'Y`i` d`'U`]b`'W`f`j`a` Y`
)` " `I` b`X`Y`f`g`h`U`b`X`'U`b`X`'i` g`Y`'V`U`g`]W`h`Y`f`a`]bc`c`[m`W`c`a` a` c`b`'h`c`'h`Y`'W`f`j`a`]bc`c`[]W`'Z`Y`'X`
*` " `H`']b`_'W`f`h`W`U`'m`i`U`V`c`i` h`W`f`j`a` Y`'U`b`X`']h`g`'W`U`i` g`Y`g`
+` " `5`b`U`'m`g`Y`'W`f`j`a` Y`'d`f`c`V`'Y`a` g`'i` g`]b[`V`U`g`]W`W`f`j`a`]bc`c`[]W`'d`Y`f`g`d`Y`W`h`j` Y`g`

HYUW]b[`GhfUH[]Yg`

H`']g`'W`c`i` f`g`Y`'f`Y`e`i`]f`Y`g`'b`c`'d`f`]c`f`_'b`c`k`'Y`X`[Y`']b`'7`f`j`a`]bc`c`[m`i`'b`'U`W`W`c`f`X`U`b`W`'k`]h`'I` B`G`K`' @`Y`U`f`b`]b[`U`b`X`
H`Y`U`W`X`]b[`;` i`]X`Y`']b`Y`g`'k` Y`'Y`i` d`Y`W`h`c`'Y`b`[U`[Y`'m`c`i`]b`'Y`U`f`b`]b[`h`f`c`i` [`U`'W`c`a` V`]b`U`h`c`b`'c`Z`'Y`W`h`i` f`Y`g`z`h`i` h`c`f`]U`'g`z`
]b`X`j`]X`i` U`'f`Y`U`X`]b[`U`b`X`'g`h`i` X`m`z`[i`]X`Y`X`'h`i`]h`c`b`'Z`f`c`a` [i` Y`g`h`'Y`W`h`i` f`Y`f`g`'U`b`X`'U`W`X`Y`a`]W`g`'k` `c`'U`f`Y`'U`W`h`j` Y`
f`Y`g`Y`U`f`W`X`Y`f`g`']b`'h`Y`'Z`Y`'X`z`a` Y`U`b`]b[Z`' `Z`Y`X`V`U`W`'c`b`'k` f`h`Y`b`'k` c`f`_'U`b`X`'h`i` h`c`f`]U`'d`U`f`h`W`d`U`h`c`b`z`U`b`X`'g`h`i` W`h`i` f`Y`X`
U`W`h`j`]h`Y`g`'h`U`h`Y`b`W`c`i` f`U`[Y`']b`X`Y`d`Y`b`X`Y`b`h`h`]b`_]b[`U`b`X`'h`Y`'X`Y`j` Y`'c`d`a` Y`b`h`c`Z`X`]g`W`d`']b`U`f`m`_'b`c`k`'Y`X`[Y`'U`b`X`
U`W`X`Y`a`]W`g`_]`g`"

K` Y`'g`Y`Y`'I` B`G`K`' `g`h`i` X`Y`b`h`'Y`U`f`b`Y`f`g`'U`g`'U`W`h`j` Y`'d`U`f`h`W`d`U`b`h`g`']b`'h`Y`'d`f`c`X`i` W`h`c`b`'c`Z`_'b`c`k`'Y`X`[Y`'H`']g`'W`c`i` f`g`Y`
d`f`]c`f`]h`g`Y`g`'Y`U`f`b`]b[`!`V`m`X`c`]b[`U`b`X`'U`j`a` g`'h`c`'Z`c`g`h`f`'U`'g`d`]f`h`c`Z`W`f`h`W`'h`c`i` [`h`U`b`X`'U`W`h`j` Y`'Y`b`e`i`]f`m`]b`'U`'g`h`i` X`Y`b`h`
'Y`U`f`b`Y`f`g`" `h`]g`'Y`g`g`Y`b`h`U`'h`U`h`m`c`i` 'h`U`_'Y`'c`k` b`Y`f`g`']d`'c`Z`m`c`i` f`'g`h`i` X`]Y`g`'U`b`X`'k` c`f`_'c`b`'X`Y`j` Y`'c`d`]b[`m`c`i` f`'g`_]`g`'U`g`'U`b`
]b`X`Y`d`Y`b`X`Y`b`h`'Y`U`f`b`Y`f`.

%` b`'h`']g`'W`c`i` f`g`Y`']h`]g`'Y`i` d`Y`W`h`X`'h`U`h`m`c`i` 'k`]`'U`h`Y`b`X`'U`h`'Y`U`g`h`i` \$i` 'c`Z`h`Y`'h`i` h`c`f`]U`'g`'M`c`i` 'b`Y`Y`X`'h`c`
d`U`f`h`W`d`U`h`']b`'V`c`h`' `Y`W`h`i` f`Y`g`'U`b`X`'h`i` h`c`f`]U`'g`'5`' `c`i` f`'Y`W`h`i` f`Y`g`'U`b`X`'h`i` h`c`f`]U`'g`'U`f`Y`']b`h`Y`f`U`W`h`j` Y`' " `D`f`Y`d`U`f`U`h`c`b`z`
']g`h`Y`b`]b[`U`b`X`'W`f`h`W`U`'Y`b`[U`[Y`a` Y`b`h`k`]h`' W`c`i` f`g`Y`'a` U`H`f`]U`z`'Y`U`f`b`]b[`Z`f`c`a` 'm`c`i` f`'h`Y`U`W`X`Y`f`g`'V`i` h`U`'g`c`'m`c`i` f`
d`Y`Y`f`g`'U`f`Y`'Y`g`g`Y`b`h`U`']b[f`Y`X`]Y`b`h`g`'Z`c`f`'U`'g`i` W`W`g`g`Z`' `W`c`a` d`'Y`h`c`b`'c`Z`h`']g`'W`c`i` f`g`Y`
&` " `M`c`i` 'b`Y`Y`X`'h`c`'d`'U`b`'W`f`Y`Z`' `m`U`b`X`'i` g`Y`'m`c`i` f`'h`j`a` Y`'d`f`c`X`i` W`h`j` Y`'m`]Z`m`c`i` 'k`]g`'h`c`'U`W`X`]Y`j` Y`' [c`c`X`'f`Y`g`i` 'h`g`']b`
h`']g`'W`c`i` f`g`Y`'5`' `U`g`g`Y`g`g`a` Y`b`h`h`U`g`_`g`']c`i` 'X`'V`Y`'f`Y`g`Y`U`f`W`X`'U`b`X`'X`f`U`Z`'Y`X`'k` Y`']b`'U`X`j` U`b`W`'c`Z`
g`i` V`a`]g`g`]c`b`"
' " `M`c`i` 'U`f`Y`'f`Y`g`d`c`b`g`]V`Y`'Z`c`f`'m`c`i` f`'c`k` b`'Y`U`f`b`]b[/`k` c`f`_'h`c`'X`Y`j` Y`'c`d`_`g`_]`g`'h`U`h`k`]`'Y`b`U`V`Y`'m`c`i` 'h`c`'Y`b`[U`[Y`
W`f`h`W`U`'m`U`b`X`'U`b`U`'n`h`W`U`'m`k`]h`' U`W`X`Y`a`]W`'h`Y`f`U`h`i` f`Y`z`b`Y`k` g`'f`Y`d`c`f`h`]b[`U`b`X`'d`c`']W`h`X`c`W`a` Y`b`h`g`" `H`'Y`' [c`U`
c`Z`h`']g`'W`c`i` f`g`Y`']g`'b`c`h`i`h`c`' V`Y`'U`V`Y`'h`c`'f`Y`d`f`c`X`i` W`'h`Y`'W`c`b`h`Y`b`h`]b`'U`'X`Y`g`W`f`d`h`j` Y`'a` U`b`b`Y`f`/`k` Y`'k`]`'U`g`g`]g`h`
m`c`i` 'h`c`'V`Y`W`c`a` Y`']h`Y`f`U`h`Y`']b`'U`W`X`Y`a`]W`f`Y`g`Y`U`f`W`X`'g`_]`g`'k`]h`'h`']g`'W`c`i` f`g`Y`'U`g`'h`Y`'Z`f`g`h`g`h`dd`]b[`!`g`h`c`b`Y`']b`

hUhdfeWgg"

(" H\fcj [\ci hmcj f'h]a Y'Uhi BGK žmci 'g\ci `X'VY'gYY_]b['hc'Yj U'i UHž'gmbh\Yg]gY'UbX'Yb[U[Y

5ggYgga Ybh

8YHJ]YX`UggYgga Ybh]bgfhi W]cbg`UbX`a Uf_]b[`fi Vf]Wg`k]`VY`a UXY`Uj U]UV`Y`fc`ghi XYbfg`Uhih`Y`VY[]bb]b[

Z f\Yf]bZcfa Uqcb": cfYI Ua d'Yž=W]W_YX'cb'U'']b_žcf'h\Y'Y! 'ei fbU'7 f]a]bc`c[mifUb'5a Yf]WUb
'ei fbU'žUbX'jh[Uj Y'a Y'h\Y'cdh]cb'cZY'YWfcb]WUWVWgg'hc'h\Y'ei fbU'"'K \Yb'='W]W_YX'cb'h\Y
Dfcei Ygh'jb_ž'h'cc_a Y'hc'h\Y'7 f]a]bc`c[m'gh]b[']'b'Dfcei Ygh''='W\cgY'hc'fGYUfW'k]h]b
di V]W]h]cbfif]Y'jb'h]g'ei fbU'žcf'f]U' Xf''='V'ei 'X'cc_'UhYj Yfmh]b[''gh'Xžcf'='V'ei 'X'W\ccgY'Ub

H\]g'5ggYgga YbhYI d'W]hmHYghg'Zc'f'Ub'i bXYfgHbX]b['cZa UHYf]U'UbX'UddfcUW\Yg'Wcj YfYX']b'YWhi fYg/ h'hc'f]U'g'gc'Yb[U[]b[']b' h.YgY'UW]j]h]Yg']g'W'cbg]XYfYX']b]h[fU'rc'UggYgga Ybhigi W\W'gg" 'G]a]'Uf'n'z'k \]Y' bch W'ca di 'gcfm'z'h.Y'G'Y'Z8]fYW\YX'@YUfb]b['HUg_g'f'W'ca d'Y'h'X'cb']bY'W'Wb'VY'k cf_YX'h'fci [\ 'c] Yf'h.Y'W'ci fgY cZ'h.Y'HYfa z'UbX'\Uj Y'VYyb'gdYW]Z]W']mXYg][bYX'rc '\Y'd'XYj Y'cd'h.Y'g_] 'g'bYW'ggUfm'Zc'f'h.Y'F YgYUfW 6f]Y]b["

A Uf_]b['7f]h'f]U

H\YfY'UfY'Z] Y'W'ca dcbYb]g'cZ'h.Y'6f]Y]b['UbX'YUW\ 'UhfUW'g'a Uf_g'f]gYY'VY'ck'k

%' 6W\ [f]a' S' V'gef[XUSf]a' aXfZW[eegW'H\]g']g'gca Yh]a Yg'h'fa YX'dfcV'Ya Uh]gUh]cb']b'h.Y \i a Ub]h]Yg/ 'gcW]U'gW]YbW'g'f]gYY'\YfY'Zc'f'Ub'YI W'Ybh'UbX'Vf]Y]Z]g]W'gg]cb'VmDfcZ'DUh H\ca gcb]'cb'k \UhdfcV'Ya Uh]gUh]cb'UWhi U'ma YUbg'k'f'W'a Uf_gk &" FZWbScS_ W'W'cb, 'Di h'h.Y'W'f]a Y']b'W'cb]h]i hVmUW\W' fU'h']mg'W'cd]b['h.Y']ggi Y']b]W' X]b[']b]W]XYbW'z dfYj U'YbW'z'dU'h]f]bg'UW'fcgg'h]a Y'UbX']a dUW']7ca a Ybh'\YfY'cb'h.Y'j YfUW]m'cZ'h.YgY'dUf]Ua Y'h]fg f'ck'W'cb'Z]XYbh]m'ci 'UfY']b'h.Y'UW\W' fUW'ncZ'h.]g']b]Z'fa Uh]cb'3'7cbg]XYf'W'ca a cb']ggi Yg'k]h'W'f]a Y gh]U]gh]W'g'Ug'W'cj YfYX']b'K YY_'&cZ'YWhi fYg/5fY'a cgh]b]W]XYb]g'fYdcf]h'X'UbX'fY'W'cfYX'3'Zbch'z'k \m bch'3'g']h]X]Z]W' h'hc'UW\W'gg']b]Z'fa Uh]cb'cb'h.Y']ggi Y3'Zgc'k \Uha U_Yg']h\UfX'3'K \Uh'ch'Yf'Z'ca g cZ'XU'h'X']m'ci 'XfUk'cb'hc']i bXYfgHbX'h.Y'hc'd]W'f]f' \$'a Uf_gk ' "I ZSf[e Ug'd]W'f'k]' ai' `STag'f'Z[e fab]U1.' <ck'Xc'W'f]a]bc'c[]gh]g'a U_Y'gYbgY'cZ'h.Y']ggi Y3 7ca d'Y'h'U'gYUfW'cZ'h.Y']h]f]U'h'fY"]i gY'h.Y') 'Uf]h]W'g']XYbh]Z]YX'Zc'f'h.Y'Z]f]gh]Ugg][ba Ybh]Ug'U gh]Uf]h]b['dc]bh]Z]m'ci 'UfY' [c]b['cb'hc']i gY'h.Y'g]Ua Y'hc'd]W'f]f' \$'a Uf_gk (" 5a' U'ge[a' ,Gi a a Uf]gY'YI]gh]b['Yj]XYbW' f'h.]g'k ci 'X'VY'XYgW']dh] Y'k f]h]b[k'U'UbX'dfcj]XY'gca Y h'ci [\h]z']W'cb]W'g]cbg'UVci h'h.Y'k Um'Z'fk UfX'f'h.]g'k ci 'X'VY'UbU'm]h]W'k f]h]b[k'f'W'a Uf_gk)" D'W'W'W'U'W'cb' h'hc'U'f] UfX'gh]m'Y'z'F YZ'fYbW']gh]b['U'd\UVY'h]W']c'fYf'f'f'W'a Uf_gk

fH\ca gcb]Z'D" f&, "%\$%" k'Z'DfcV'Ya z'DfcV'Ya Uh]gUh]cb' -K \Uh]g'h.Y'8]ZYfYbW'3' 'DU'h]f'6'c[z'5W\W'ggYX cb']b]Y'z'\h]dg.##dU'h]ca gcb"bY'h'f'W' \$%#&, #dfcV'Ya !dfcV'Ya Uh]gUh]cb!k \Uh]g'h.Y'!X]ZYfYbW'#

Hi fb]h]b'gY'h]b[. H\]g'Ugg][ba Ybh]g'gi Va]h]YX'h'fci [\ 'Hi fb]h]b'UbX'gh'XYb]g'W'Wb'gY'Y'Hi fb]h]b'g]a]Uf]m fYdcf]g"

F Ygci fWg

DfYgW]VYX`F Ygci fWg`

F YWca a YbXYX`F Ygci fWg

DfYgW]VYX`UbX`F YWca a YbXYX`F YUX]b[g`UbX`F Ygci fWg`UXX]hcbU`hc`hY`hY`hVcc_`k`j`VY`Uj`U]UV`Y`cb`hY`A`ccX`Y`g]hZk`]h`fYgci fWg`Uj`U]UV`Y`hfc`i`[`@Y[Ubhc`UbX`hY`I`BGK`"]VfUfmi`

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`Wca`Y`Zca``ghi`XYb]g`h`fci`[`]ci`h`hY`gYa`YghY`F`G`h`XYbhZYXVUW`cb`hY`Wci`fgY`WcbhYb]Z`UggYgga`Yb]g`UbX`Zcfa`Uhid`Umg`Ub`]a`dcffUbhfc`Y`]b`hY`XYj`Y`cda`YbhUbX`Yj`ci`hcb`cZci`f`Wci`fgYgZ`hc`Ybgi`fY`h`Uhk`Y`a`U`_`Y`hY`bYW]ggUfmUXUdh]cbg`hc`hY`Wci`fgY`Zc`f`hY`Z`h`i`fY`H`]g`gYa`YghY`f`k`Y`k`]`VY`gYY`_]b[`ZYXVUW`Zcfa`mci`Uhj`U]ci`g`dc]b]g`]b`hY`Wci`fgY`Z`UbX`UfY`]bhY`fYghY`X`]b`i`bXYfg]UbX]b[`]ZUbX`ck`Wci`fgY`UW]j`]h]Yg`Ugg]gh]b`mci`f`XYj`Y`cda`YbhUg`Ub`]bXYdYbXYbh`YUfbY`F`K`Y`k`]`U`gc`VY`i`g]b[`hY`I`b]j`Yfg]m]g`a`m]l`dYf]YbW]`gmg]hYa`hc`Yj`U`i`UhY`hY`Wci`fgY`Z`Vi`h`mci`UfY`k`Y`Wca`Y`hc`Wca`a`i`b]W]hY`UbmichY`f`ZYXVUW`hc`mci`f`YW]i`fYfg`cf`h`hc`f`UhUbmi]ja`Y`F`YW]bh`ZYXVUW`fYW]j`YX`cb`h]g`Wci`fgY`Ug`fYgi`hY`X`]b`]a`dfcj`Ya`Yb]g`hc`Wci`fgY`WcbhYb]Z`XY`]j`YfmUbX`UggYgga`Ybh]Ug_g`Zc`f`gh`XYb]g`"

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

D`U[]Uf]ga `]g`i`g]b[`h`Y`k`cfXg`cf`]XYUg`cZc`h`Yfg`UbX`dfYgYb]b[`h`Ya`Ug`mci`f`ck`b" `#WUb`hU`Y`a`Ubm
Zcfa`gž`Zca`XY`]VYfU`h`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`gh XYbh]bZcfa Uh]cb`fY`Uh]b[`rc.

- 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/
-