

MINE1010

A]bYfU`F Ygci fWg'9b[]bYYf]b[

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

GWcc`cZA]bYfU'g/`9bYf[mF Ygci fWg'9b[]bYYf]b[`#`I BGK `9b[]bYYf]b[



7ci fgY`Cj Yfj JYk

GHJZ`7cbHJW`8YHJ`g

7cbj Ybcfg

B Ua Y	9a U`	5j U]`UV]`]m	@cW]hcb	D\cbY
; \]g`U]b`6ci fb]j U`	["Vci fb]j U`4 i bgk "YXi "Ui	Hi hcf]U`g`UbX `YW]i fYg.`Hi YgXUm %da `-(da ž]b! dYfgcb`cf`cb`]bY UbX`VmUddc]b]a Ybh	C`X`A U]b 6i]X]b[`fP %) Ł F a `%)`*	Ž`*%&`-\$*) &\$` `*`

GW`cc``7cbHJW`i`bZcfa Uh]cb

GW`cc``cZA]bYfU`g`UbX`9bYf[mF Ygci fW`g
 C`X`A U]b`6i]X]b[ž`@Y] Y`%ž%) - `fP %) Ł
 I BGK `GMBB9MBGK `&\$) &5I GHF 5@5

[9b\[\]bYYf\]b\[`Gh XYbhGYfj \]W`g`](#)
 9.`a Yfy`"hYUW`]b[4 i bgk "YXi "Ui
 K .`k k k "Yb[]bYYf]b["i bgk "YXi "Ui #a]bYfU`g!YbYf[mF Ygci fW`g

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmicZh\Y'7ci fgY

Mci`k`c`_Y`i`d`h`j`g`a`c`f`b`j`b`[`U`b`X`'a`c`g`h`'_`Y`m`c`c`_`Y`X`'U`h`m`c`i`f`'a`c`V`]'Y`d`'l`c`b`Y`"8`X`'m`c`i`'_`b`c`k`'h`U`h`h`j`g`'X`Y`j`]W`U`c`b`Y`W`c`b`h`U`j`b`g`'U`V`c`i`h`)\$`X`]Z`Y`f`Y`b`h`Y`'a`Y`b`h`g`3`'h`a`i`g`h`V`Y`W`X`U`f`[`Y`X`'_`_`Y`'U`'c`Z`m`c`i`f`Y`'Y`W`f`c`b`]W`X`Y`j`]W`g`"6`i`h`l`c`k`'j`g`'h`Y`'Y`'Y`W`f`]W`m`d`f`c`X`i`W`X`3`'K`'l`Y`h`Y`f`'h`j`g`Z`f`c`a`'f`Y`b`Y`k`U`V`'Y`'Y`b`Y`f`[`m`i`g`c`i`f`W`g`'c`f`'b`c`h`z`'h`Y`m`U`'f`Y`'m`c`b`a`Y`h`U`'g`'U`b`X`'a`]b`Y`f`U`'g`'h`c`'d`Y`f`U`h`'c`f`'h`c`'V`Y`'V`i`]h`'K`'l`Y`f`Y`j`Y`f`'m`c`i`'c`c`_`m`c`i`'g`Y`Y`'a`Y`h`U`'g`'U`b`X`'a`]b`Y`f`U`'g`'U`b`X`'U`g`f`Y`a`c`h`'U`g`]h`a`U`m`g`Y`Y`a`z`U`'h`Y`g`Y`[`c`c`X`g`g`h`U`f`h`X`]b`U`'d`]h`'h`'h`j`g`'W`c`i`f`g`Y`'m`c`i`'k`]`X`Y`j`Y`'c`d`'U`b`'U`k`U`f`Y`b`Y`g`g`'Z`c`f`h`Y`'j`a`d`c`f`U`b`V`W`'c`Z`h`Y`'a`]b`j`b`[`]b`X`i`g`h`f`m`]b`'c`i`f`'j`Y`g`"H`c`[`Y`h`Y`f`z`k`Y`'k`]`Y`i`d`'c`f`Y`'l`c`k`'W`c`a`a`c`X`]h`j`Y`g`'U`f`Y`Y`i`h`U`W`h`X`Z`f`c`a`'h`Y`[`f`c`i`b`X`'U`b`X`'k`'l`c`'U`f`Y`]b`j`c`j`Y`X`'U`h`j`U`f`]c`i`g`'g`h`U`[`Y`g`'c`Z`h`Y`'a`]b`j`b`[`'c`d`Y`f`U`h`c`b`"H`l`Y`'h`c`d`]W`g`W`c`j`Y`f`Y`X`]b`'h`j`g`'W`c`i`f`g`Y`'U`f`Y`[`Y`c`'c`[`m`z`'a`]b`j`b`[`z`'a`]b`Y`f`U`'d`f`c`W`g`g`]b`[`z`g`U`Z`h`m`z`'h`Y`'j`a`d`U`W`h`c`Z`a`]b`j`b`[`'c`b`'h`Y`Y`b`j`]f`c`b`a`Y`b`h`z`'U`b`X`'Y`W`c`b`c`a`]M`g`"K`Y`'k`]`U`'g`c`'X`]g`W`g`g`'Y`a`d`'c`m`U`V`]'h`m`]b`'h`Y`'a`]b`j`b`[`]b`X`i`g`h`f`m`z`k`'l`W`'Y`a`d`'c`m`g`d`Y`c`d`'Y`'c`Z`j`U`f`]c`i`g`'V`U`W`[`f`c`i`b`X`g`'f`Y`"["[`Y`c`'c`[`]g`h`g`z`'a`]b`j`b`[`'Y`b`[`]b`Y`Y`f`g`z`'W`j`]`Y`b`[`]b`Y`Y`f`g`z`'a`Y`W`X`U`b`]W`j`'Y`b`[`]b`Y`Y`f`g`z`'Y`b`j`]f`c`b`a`Y`b`h`U`'Y`b`[`]b`Y`Y`f`g`z`'d`f`c`W`g`g`/`'W`X`Y`a`]W`j`'Y`b`[`]b`Y`Y`f`g`z`'U`k`m`Y`f`g`z`'Z`b`U`b`W`W`z`Y`h`W`l`'U`b`X`'c`Z`Y`f`g`'W`c`a`d`Y`h`j`j`Y`g`U`U`f`]Y`g`"K`'l`m`i`b`c`h`W`c`a`Y`'U`b`X`'Y`U`f`b`'U`V`c`i`h`c`b`Y`'c`Z`h`Y`'d`]'U`f`g`'c`Z`h`Y`'5`i`g`h`f`U`]U`b`Y`W`c`b`c`a`m`U`b`X`'U`'d`c`h`'b`h`j`U`'Y`a`d`'c`m`Y`f`3

7ci fgY'5]a g

H`l`j`g`'W`c`i`f`g`Y`'U`j`a`g`'h`c`'d`f`c`j`]X`Y`'U`V`U`g`]W`]b`h`f`c`X`i`W`]c`b`'h`c`'a`]b`j`b`[`'U`b`X`'h`Y`'5`i`g`h`f`U`]U`b`'a`]b`Y`f`U`'g`]b`X`i`g`h`f`m`'h`j`g`'c`Z`f`Y`'j`U`b`W`'Z`c`f`g`h`X`Y`b`h`g`Z`f`c`a`'U`'k`]X`Y`'f`U`b`[`Y`'c`Z`X`]g`V`d`]b`Y`g`'k`]h`'U`b`]b`h`Y`f`g`h`]b`'h`Y`'a`]b`Y`f`U`'g`]b`X`i`g`h`f`m`z`k`'l`W`X`Y`a`d`'c`m`g`'g`]'Y`X`'k`c`f`_`Y`f`g`'k`]h`'X`]Z`Y`f`Y`b`h`Y`W`X`b`]W`j`'V`U`W`[`f`c`i`b`X`g`'G`h`X`Y`b`h`g`'k`]`Y`U`f`b`'h`Y`'Z`b`X`U`a`Y`b`h`U`'g`'c`Z

- " < Uj]b[' < G97 ' WcbgWci gbYgg
%\$" 5k UfYbYgg'cZgi gHJ]bUV])mž'a i 'h!W 'h fU'UbX'['cVU']ggi Yg
%%" 6Y]b['UWj] Y''ZY!'cb['YUfbYfg"

HYUWX]b['GhfUHY[]Yg'

@YUfb]b[/ 'HYUWX]b['A UbU[Ya YbhGmgHYa 'f@HA GŁ
H\Y '@YUfb]b[/ 'HYUWX]b['A UbU[Ya YbhGmgHYa 'f@HA GŁi gYX'k]h 'h]g'Wci fgY ']g'H9@H'A ccX'Y'k \]WX'WUj
VY'UWVWggYX'VmW]W_]b['hY'A ccX'Y'Wcb'cb'hY'\ca Y'dU[Y'cZA ml BGK "
: cf'i d'hc'XUH']bZcfa UHcb'cb''YVh' fYg'UbX'k cf_g\cdgžgYY'hY'7 U'YbXUf'gYVh'cb']b '@HA G'UbX'hY'GW'cc'
Bch]WVcUfX"
Gi ddcfha UHf]U'Zcf'h]g'Wci fgY ']bWl X]b[žWcd]Yg'cZ'YVh' fY'bcH'gž'fYWca a YbXYX'fYUX]b[gžUgg][ba Ybhg
UbX'fYgi 'hg'Zcf'Ugg][ba Ybhg'YhWk \YbYj Yf'Uj U]UV'Y'WUj'VY'Zci bX']b '@HA G"
5''Wc'ffYgdcXbW'g\ci 'X'VY'i bXYfU_Yb'i g]b['hY'Ya U]'ZUW']mik]h]b '@HA G"
7\Ub[Yg']b'hY''YVh' fY'gWYXi 'YžgYa]bUfgžk cf_g\cdg'UbX'Ugg][ba YbhXUH'g'k]''VY'dcghYX'cb'hY
7 U'YbXUf']b '@HA G"
#]g']a dcfHUbh'hUhgh XYbhg'fY[i 'Uf'mWXYW_@HA G'Zcf'WXUb[Yg']b'WU'YbXUf'Yj Ybhg'UbX'Zcf'Ya U]
a YggU[Yg''#]g'ghfcb['mfYWca a YbXYX'hUhgh XYbhg'i gY'hY'a U]'fYX]fYW]cb'ZUW']mhc'Zcfk UfX'@HA G
Ya U]g'hc'hY]f'i gi U'Ya U]'UXXfYgg"

5ggYgga Ybhg'k]''hU_Y'hY'Zcfa 'cZU'Wca V]bUhcb'cZ]bX]j]Xi U'Ugg][ba Ybhgž']bX]j]Xi U'dfYgYbhUhcbgž'd'i g
[fci d'dfYgYbhUhcbg'UbX'U'Z]bU'YI Ua "'H\YfY ']g'Ub'cdh'cbU'Z]Y'X'hf'd']bWl XYX']b'hY'Wci fgYžk]h'U'fY'UH'X
]bX]j]Xi U'Ugg][ba Ybh' : cf'h'cgY'k \c'Xc'bcH'UthYbX'hY'Z]Y'X'hf'dž'hYfY ']g'Ub'U'h'fbUh]j Y'a U'cf
Ugg][ba Ybh'h'Y'fY ']g'U'Wc'ghUggcW]UH'X'k]h'hY'Z]Y'X'hf'd'UbX'd'UW'g'UfY'']a]h'Xž'gc'df]cf]mik]''VY'[]j Yb
hc'gh XYbhg'Ybfc''YX']b'hY'A]b]b['9b[]bYYf]b['Dfc[fUa "

5ggYgga Ybh

H\Y'GWcc`Ug'U'fYdcfhk f]hb[' [i]XY'fF K ; E'Uj U]UV'Y'Zc'f'U''gh XYbfg'fU_]b['a]b]b['Yb[]bYYf]b[
Wci fgYg"J]Yk 'h]g'k YVg]h'hc'Xck b'cUX'U'WcdmicZhY [i]XY.

[\hdg.#k k k "Yb\[\]bYYf\]b\["i bgk "YXi "Ui #a \]bYfU'g!YbYf\]m
fYgci fWYg#g\]hYga \]bY#Z\]Yg#di V\]W\]h\]cbg#A 95SF Ydcfhk f\]hb\[: i \]XYSY6cc S&\\$% YX"dXZ](#)

H\Y'F K ;]g'U'gc'Uj U]UV'Y'h'fci [\ 'hY'A ccX'Y'k YVg]h'cZh]g'Wci fgY"

5ggYgga YbhHUg_g

5ggYgga YbhHUg_g	K Y][\h	8i Y'8UH'	

8YHJ]g.

5ggYgga YbhW]HYf]U'ZcfYUWX']b!WUgg'UW]j]hYg'fY]hYf'ZJW!hc!ZJW'cf]b'U'j]fh U'WUggfcca E'k]'VY
YI d'U]bYX'Uh'hY'ghUfhcZ'hY'UW]j]hmUbX']g'XYgW]VYX'k]h'hY'hUg_']b'hY'hUg_'XYgW]d]h]cb"; YbYfU'm
gh XYb]hg'k]'bYXX'hc'YI d'cfY'UbX'UbU'mgY' []j Yb'hc d]W] UbX'z]b'U'hUa' z'dfcj]XY'U'k f]hYb'fYgdcbgY'hc'hY
[]j Yb'ei YfmUh'hY'YbX'cZ'hY'UW]j]hmZcf'Yj U'i Uh]cb" 'H\YfY']g'bc'gi Vgh]h h'Zcf'hYgY']b!WUgg'UW]j]hYg"
Gh XYb]hg'bYXX'hc'a U_Y'gi fY'hYmU'hYbX'WUgg'hc'VY'UV'Y'hc'gYW'fY'hY'a Uf_g'UggcW]U'hY'k]h'h]g
UggYgga Ybh'5dd']W]h]cb'YI YfW]gYg'k]'VY'UggYggYX'VUgYX'cb'U'fYdcfhfF' E'z'k \]W'Zcf'hY'ZJW!hc!ZJW
XY']j YfmcZ'hY'W'ci fgY'a Um]bW] XY'U'X]gW'gg]cb'fB'E'cf'U'dfYgYb]h]cb'fD'E"

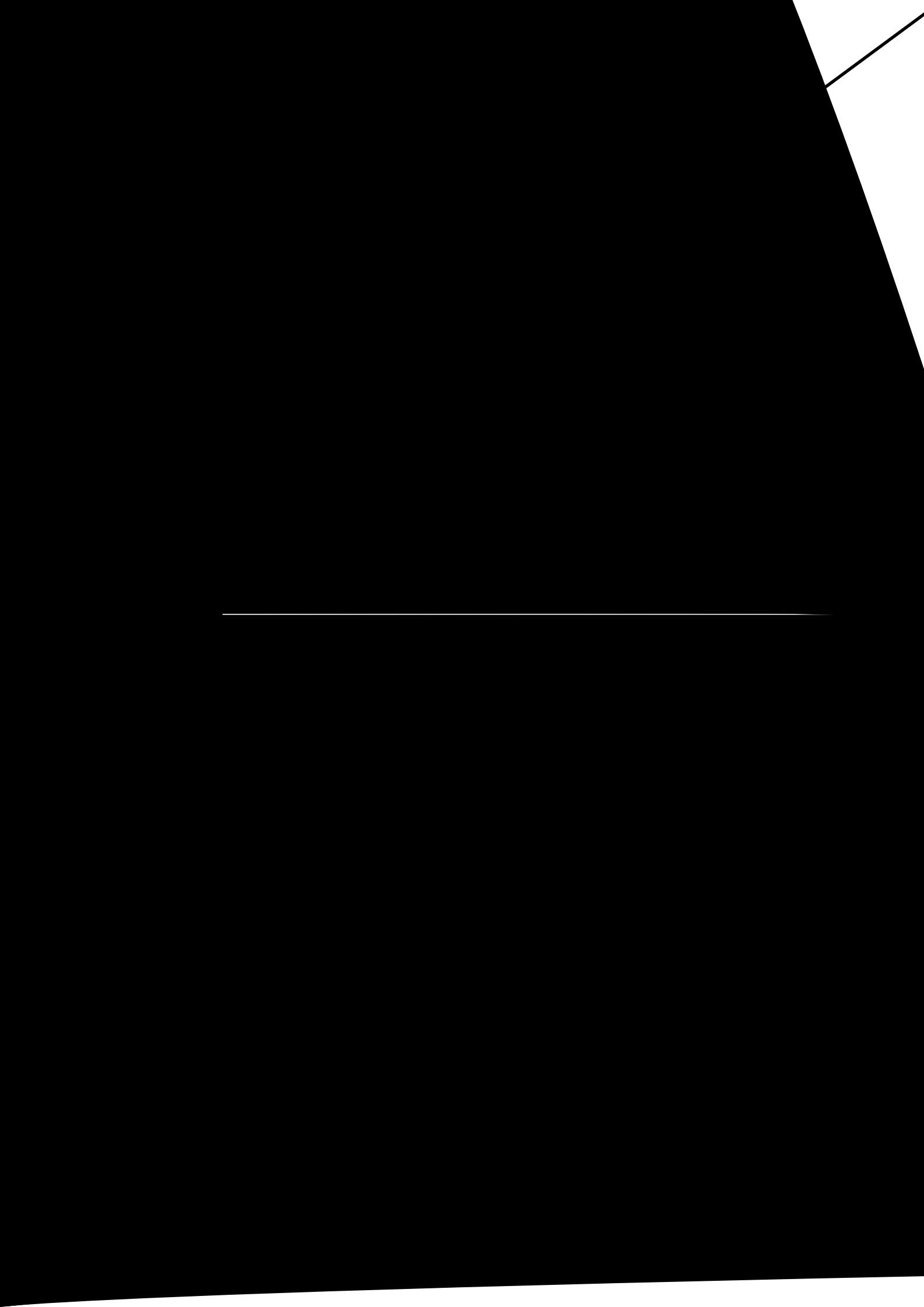
5ggYgga Ybh' . 'HYUa' 'dfc'YVh

GHUfhXUH' . 'Bch5dd']W]V'Y

8YHJ]g.

9UWX' [fci d'k]'dfYdUFY'cbY'fYdcfhVUgYX'cb'U'a]b]b['Z]bUbW]U'dc]f]z']c"8YHJ]g'cZ'hY'UggYgga Ybh
W]hYf]U'fY'U'j U]UV'Y']b'hY'XYgW]d]h]cb'cZ'hY'hUg_' '6f]YZn'z'gh XYb]hg'gY'YW]g\UfYg'cZa]b]b['W'ca dUb]Yg
Zca 'hY'5i ghU']Ub'GYW'f]hYg'9I W]Ub['Y'f5GL'E' 'H\Ym]fUW' hY'g'UfYg'c]j Yf'hY'W'ci fgY'cZ'hY'hYfa'UbX
X]gW'gg'hY'W]Ub['Yg']b'hY'j U'i Uh]cb'cZ'hY'f'a]b]b['W'ca dUb]Yg" 'H\Y'Z]bU'a Uf_]g'XY'hYfa]bYX'Zca'U
fYdcfhgi Va]hYX'Uh'hY'YbX'cZ'hY'hYfa "5' [fci d'a Uf_]g'Ugg][bYX'UbX']bX]j]Xi U'a Uf_g'UfY'gW]YX'Zca'U
dcfh]cb'cZ'hY' [fci d'a Uf_]VUgYX'cb'hY'W'cb]f]Vi h]cb'cZYUWX' [fci d'a Ya VYf" 'b'UXX]h]cb'hc'hY'fYdcfhz'
gh XYb]hg'Ybfc'YX']b'hY'ZJW!hc!ZJW'W'ci fgY'k]'dfYgYb]h]hY'f']bj Yg]a Ybh]gfU'hY' [m'z'dc]f]z']c'UbX'dc]f]z']c'
dYfZca UbW']b'U'g'cfhWUgg'dfYgYb]h]cb"

Hi fb]h]b'gYh]b[. 'H\]g'Ugg][ba Ybh]g'gi Va]hYX'h'fci [\ 'Hi fb]h]b'UbX'gh XYb]hg'W]b'gY'Y'Hi fb]h]b]g]a]'Uf]hm
fYdcfhg"



- I BGK '@YUfb]b['7YbfY!' [k k k "Wi bgk "YXi "Ui](#)
- 7 ci bgY``b['gi ddcfh! [k k k "Wci bgY``\]b\["i bgk "YXi "Ui](#)

9ei]HUV`Y`@YUfb]b['GYfj]Wg

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

Mci f`YWñ fYf`UbX`hY`l b]j Yfg]mik]`Yl dYWñmci fgi Va]hYX`Ugg][ba Ybñg`UfY`hfi`mimci f`ck b`k cf_"l BGK
`Ug`j YfmWYUf`[i]XY`]bYg`cb`k `Uhd`U[]Uf]ga`]g`UbX`ck`hc`Uj`c]X`]h`D`U[]Uf]ga`]g`i`g]b[`hY`k cfXg`cf
]XYUg`cZchYfg`UbX`dfYgYbñ]b[`hYa` `Ug`mci f`ck b`D`U[]Uf]ga`]g`U`mdY`cZ]bñY`YWñ U`hY`Zñ`ñWñb`hU`Y
a UbmZcfa gžZca`XY`]VYfUñ`WXYUñ]b[`hc`UWñ]XYbñ`miW`dm]b[`Zca` `U`gci fW`k]hci hUW`bck`YX[Ya Ybñ

- VfcUXVUbX`WcbbYWjcb`f&) *`_V]hgYWcf`ZJghYfŁ
- UV]`]mhc`j`Yk`ghfYUa`]b`[`j`XYc`fŁ][`\\`cf`ck`XYZ]b]hcb`I`BGK`HJ`cdh]cbgŁ

A cfY`]bZcfa`Uhcb`UVci`hgmgH`a`fYei`]fYa`YbHg`]g`Uj`U]`UV`Y
[Uhi k k "ghi XYbhi bgk "YXi "Ui #a ccX`Y!gmghYa`lfYei`\]fYa`YbHg](#)

5VWYgg]b[`7ci fgY`A`UHf]U`g`H\fcI [`A`ccX`Y`

7ci fgY`ci`h]bYgZgi`ddcfha`UHf]U`g`UFY`i`d`c`UXYX`hc`A`ccX`Y`Z`h`Y`i`b]j`Yfg]mghU`bX`UfX`@Y`Ufb]b[
 A`UbU[`Ya`YbhG`mgH`a`f@a`GŁ`"b`UXX]h]cbZ`cb!`]bY`Ugg][`ba`Ybhgi`Va`]gg]cbg`UFY`a`UXY`i`g]b[`h`Y`
 Ugg][`ba`YbhX`fcdVcl`ZUW]`]midfcj`]YX`]b`A`ccX`Y`"5`"Ybfc`"YX`gh`XYbHg`UFY`Ui`hca`UH`W`"m]bW]`XYX`]b`
 A`ccX`Y`Z`cf`YUW`Wc`i`fgY`"Hc`UWVY`gg`h`Y`gY`XcW`a`YbHg`UbX`c`h`Y`f`Wc`i`fgY`fYgci`fW`gZ`d`Y`UgY`j`]g]h`
[k k k "a ccX`Y`"h`"hi`bgk`"YXi`"Ui`](#)

<ck`K`Y`7`cbhUWh`Mci`

5hi]a`YgZ`h`Y`GW`cc`"cf`mci`f`Wc`i`fgY`Wc`bj`Ybcfg`a`Umb`YYX`hc`Wc`b`h`U`W`h`m`c`i`U`V`c`i`h`m`c`i`f`Wc`i`fgY`cf`mci`f`
 Ybfc`a`Ybh`Mci`f`Wc`i`fgY`Wc`bj`Ybcfg`k`]"i`gY`h`Y`Ya`U]"Z`bW]cb`k`]h]b`A`ccX`Y`cf`k`Y`k`]"Wc`b`h`U`W`h`m`c`i`cb`
 mci`f`4`gh`XYbhi`bgk`"YXi`"Ui`Ya`U]"UXXfYgg"

K`Y`i`bXY`fghU`bX`h`U`h`mci`a`Um`Uj`Y`Ub`Yi`]gh]b[`Ya`U]"UW`Wc`i`bhU`bX`k`ci`X`d`f`Y`Z`f`Z`f`mci`f`I`BGK`Ya`U]"g`hc`
 VY`fYX]fY`W`Y`X`hc`mci`f`d`f`Y`Z`f`fY`X`U`W`Wc`i`bh`D`Y`UgY`gY`Y`]bg]fi`W]cbg`cb`ck`hc`fYX]fY`W`h`mci`f`I`BGK`
 Ya`U]"g`" "<ck`WU`b`"Z`cf`k`UfX`a`mYa`U]"g`hc`Ub`c`h`Y`f`U`W`Wc`i`b`f`B`"

<ck`Mci`7`Ub`7`cbhUWh`I`g`

K`Y`UFY`U`k`Umg`fY`UX`mhc`Ugg]ghmci`k`]h`mci`f`]bei`]f]Yg`"Hc`Ybgi`fY`mci`f`ei`Ygh]cb`]g`X]fY`W`Y`X`hc`h`Y`Wc`ffY`W`h`
 dYfgcbZ`d`Y`UgY`i`gY`h`Y`Ya`U]"UXXfYgg`VY`ck`Zcf.

- 9bfc`a`Ybhcf`ch`Y`f`UXa`]b`ei`Ygh]cbg`fY`[`UfX]b[`mci`f`dfc`[`fUa`"`
[\hdg`##`bgk`\]bg\]\[`h`a`\]w`c`g`c`Z`W`a`d`c`f`U`g`"W`c`a`#`Y`V`!`Z`c`f`a`g`#`](#)
- 7ci fgY`]bei`]f]Yg`g\ci`X`VY`X]fY`W`Y`X`hc`h`Y`7`ci`fgY`7`cbj`Ybcf`

⇒ U[`Y`7`fYX]h`

I`BGK`G`M`B`B`9`M`

7F`⇒`CG`

7F`⇒`CG`D`fcj`]XYf`7`cXY`.\$\$\$`-`,`;

5W_bck`YX[Ya YbhcZ'7ci bHfm

K Y`UW_bck`YX[Y`hY`6YXY[U`dYcd`Y`k`c`UfY`hY`hfUX]hcbU`W`gfcX]Ubg`cZhY`UbXg`cb`k`\\W`I`BGK
?Ybg]b[hcb`Wla`di`g]g`cWU`hYX"