



PTRL2019

F YgYfj c]f'9b[]bYYf]b['5

HYfa 'H\fYY''##'&\$&\$

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

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7 ci fgY'8YHJ]`g

7 fYX]hDc]bhtg '*`

Gi a a UfmicZh\Y'7 ci fgY

hfcXi W]cb'hc'F YgYfj c]f'9b[]bYYf]b["F YgYfj c]f'8YgWf]d]cb"< mXfcgH]WdFYggi fY'UbX'[Ych\Yfa U' [fUX]Ybhtg" Dcfcg]m]dYfa YUV])mifY'U]cbg\]dg'UbX'fcW_a]Wfcg]fi W]i fYg"J c'i a Yf]WUbX']b]h]U' \mXfcW]fVcb'j c'i a Y": `i]X'G]H]Vg": `i]X'Zck gZ'Ua]bUf'UbX'h fVi `YbhZck g"6ci bXUfm'UmYfg": `ck]b d]dYgZ]W]cb']b'd]dYZ'9i `Yf'UbX'6Yfbc] `]f]g'Yei U]cb"5b[i `Uf'a ca Ybh a `Yei U]cb"GHUXmZck `YbYf[m Yei U]cb"A]bcf`cggYg": `ck `cj Yf'gi fZUW]g"GHUXm]gh]U]Y]bW]bYX'Zck `UbX'dfYggi fY'dchYbh]U""GHUXm] gh]U]Y `fUX]U'Zck ": `ck]b'gYf]Yg'UbX']b'dUfU`Y""J Yf]W]k Y`a cXY`UbX'g_]b`YZYW"

7 ci fgY'5]a g

H\Y'U]a `cZh]g]W]i fgY]g]hc []j Y'mei `Ub]bg][\h]b'hc'dYf]c'Yi a `fYgYfj c]f]g/hc]b]f]cXi W']m]i `hc]a dcf]U]bh fcW_ UbX'Zi]X'VXUfUW]f]g]h]Wg/UbX'hc'Ugg]gh]m]i `hc'Ub]gk Yf`_Y]m]i Yg]h]cbg'hc'fYgYfj c]f]Yb[]bYYfg"

7 ci fgY'@YUfb]b[`Ci hW]a Yg

%" I bXYfgh]UbX'UbX'Udd'm]Z bXUa Yb]U'h\Ycf]Yg'UbX'W]cbW]d]hg'hc'gc'j Y'a Ubm]fYgYfj c]f]Yb[]bYYf]b[d]fcV'Ya gZ'Y"["]b]h]U'\mXfcW]fVcb']b'd'UW]Z'VUg]W]fcW_ UbX'Zi]X'd]fcdYf]h]YgZ'\mXfcgH]WdFYggi fY X]g]f]Vi h]cbZ'k U]Yf']bZi I `UbX'g]b[`Y'd\UgY'Zi]X'Zck &" 7 f]h]W]m]UbU'm]gY h\Y'i bXYf]m]b[`h\Ycf]YgZ'W]cbW]d]hgZ'Uggi a d]h]cbg'UbX'Uf[i a Yb]h]g'W]cbW]fb]b[`Zi]X Zck `i bXYf'X]ZYfYbh]fYgYfj c]f]W]cbX]h]cbg

HYUW]b[`G]f]U]h] []Yg`

D`YUgY'fYZf'hc'h\Y']b]Z]fa U]h]cb']b'A ccX`Y

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5ggYgga YbhHUg_g

| 5ggYgga YbhHUg_ | K Y][\h | 8i Y'8UH | Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX |
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| A]X!hYfa 'ei]n'% | %\$i | \$* #/\$#&\$&\$' \$) . \$\$'DA | %ž& |
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5ggYgga Ybh8YHU]`g

5ggYgga Ybh% '5gg][ba Ybfg

GHUfhXUH. 'Bch5dd']WUVY

8YHU]`g.

5gg][ba Ybfg'Xi f]b['hY'Wci fgY

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

5ggYgga Ybh& . A]X!hYfa 'ei]n'%

GHUfhXUH. 'Bch5dd']WUVY

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5ggYgga Ybh) . :]bU`YI Ua

GhUfhXUH. `Bch5dd`]WV`Y

8YHJ]g.:]bU`YI Ua `fKi f]b[`h\Y`YI Ua `dYf]cXŁ

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

Gi ddcfha UHf]U`Zcf`h]g`Wci fgY`]bWl X]b[žk \YbYj Yf`Uj U]UV`YžWcd]Yg`cZ`YWl fy`bchYgžfYWca a YbXYX fYUX]b[gžYhW`Wb`VY`Zci bX`cb`A ccX`Y"

H\Y`YWl fy`bch`a UmVY`j]Yk YX`UbX`Xck b`cUXYX`Zca`hY`I BGK !A ccX`Y`
[\hd.##a ccX`Y`h`hi bgk "YXi "Ui #](#)

F YWca a YbXYX`F Ygci fWg

: c`ck]b[g`UfY`hY`fYWca YbXYX`Vcc_g`Zcf`h]g`Wci fgY"

- 8g` VS_ W fS`e aXDWeWcha[d7` Y[Ww[Yž8U_Y`f% +, L"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

H\Y`GWcc`Ug`XYj Y`cdYX`U`[i]XY`bY`tc`Y`d`mci`k` \Yb`gi Va]h]b[`U`Wci`fgY`Ugg][ba Ybh`

K`Y`YbWci`fU[Y`mci`tc`fYh]b`U`W`dmcZYj YfmUgg][ba Ybhgi Va]h]X`Zcf`UggYgga YbhZcf`mci`f`ck`b`fYWcfX`Y]h`Yf`]b`U`fXW`dmc`f`Y`YWfcb]WZ`fa` "

5`UggYgga Ybh]a`i`gh`Uj`Y`Ub`UggYgga YbhWcj`Yf`g`Y`YhU`hUW`YX`"

@UH`Gi Va]gg]cb`cZUb`5gg][ba Ybh

: i`a`Uf_g`Zcf`Ub`Ugg][ba YbhUfY`cb`mdcgg]V`Y`k` \Yb`Ub`Ugg][ba Ybh]g`fYW`j`YX`Vmih`Y`Xi`Y`XUH`"

K`Y`i`bXYfghUbX`h`UhUh]a`Yg`mci`a`UmbchVY`UV`Y`tc`gi Va]hUb`Ugg][ba Ybhcb`h]a`Yz`UbX`h`Y`GWcc`k`]`UW`a`a`cXUH`UbmiZ]f`UbX`fYUgcbUV`Y`Yi`h]bg]cb`"K`Y`k`ci`X`fYW`a`a`YbX`mci`fYj`]Yk`h`Y`I`BGK`GdYW]U`7`cbg]XYfUh]cb`[i]XY`bYg`-`gY`Y`gYW]cb`VY`ck`"

@UH`gi Va]gg]cb`k`]`bchVY`UW`dYX`UbX`k`]`VY`W`bg]XYfYX`Ug`bc`gi Va]gg]cb`"

GdYW]U`7`cbg]XYfUh]cb

Mci`W`b`Udd`mZcf`gdYW]U`W`bg]XYfUh]cb`h`fci`[\`[H\Y`Bi`WYi`g`Gh`XYbh<i`V`k` \Yb`\]`bYgg`cf`ch`Yf`W\]F`W`a`gh`Ub`W`g`\]b`h`f`Z`Y`f`k`\]h`mci`f`UggYgga Ybh`d`Y`f`Z`fa`Ub`W`"G\]W`b`Yggza`\]gU\]j`Ybh`fY`cf`ch`Yf`W\]F`W`a`gh`Ub`W`g`VY`mcbX`mci`f`W`b`f`c`a`Um`](#)

- DfYj`Ybh`mci`Z`ca`W`a`d`Y`h]b[`U`Wci`fgY`fYei`]fYa`Ybh`
- ?`Y`Yd`mci`Z`ca`U`h`Y`bX]b[`Ub`UggYggUV`Y`UW]j`]m`
- Ghcd`mci`gi`Va`]h]b[`UggYggUV`Y`k`cf`_`Zcf`U`Wci`fgY`
- **G]h]b]W]Z]W]b]z]w]mci`f`d`Y`Z`ca`Ub]Y]b]m]UggYggUV`Y`k`cf`_`Z`VY`]h]U`Z`fa`U`Y`bX]c`Z`g`Ya`Y`gh`Y`f`Yi`Ua`]b]U]c`b]z`U`W`Ugg`h`g]z`U`U`V`c`f`U`c`f`m`h`Y`g]z`U`g`Ya`]b]U`f`d`f`Y`g`Y`b]h]U]c]b`c`f`U`b`m`c`h`Y`f`Z`fa`c`Z`UggYgga`Ybh`**

K`Y`Ug`_`h`Uh`mci`d`Y`Ug`Y`W`b`h`U`W`h`Y`7`ci`fgY`7`cbj`Y`bcf]a`a`YX]UH`m`cb`W`mci`U`j`Y`W`a`d`Y`h`X`h`Y`gdYW]U`W`bg]XYfUh]cb`Udd`]W]h]cb]z]bc`UH`f`h`Ub`cb`Y`k`YY`_`Z`ca`gi`Va`]gg]cb`"

A`cfY`XYh]j`g`cb`gdYW]U`W`bg]XYfUh]cb`W`b`VY`Zci`bX`Uh`[k`k`k`"gh`XYbh`i`bgk`"YXi`"Ui`#gdYW\]U`!W`bg\]XYfUh\]cb`](#)

Gh`XYbh`Gi`ddcfh

H\Y`I`b]j`Yfg]m]UbX`h`Y`::`UW`h`m`d`f`c`j`]X`Y`U`k`]X`Y`f`Ub[`Y`c`Z`gi`ddcfhgYfj`]W`g`Zcf`gh`XYbh]z`]b`W`i`X]b[.`

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

Mci f`YWñ fYf`UbX`hY`I b]j Yfg]mík]`YI dYWñmci f`gi Va]H`X`Ugg][ba Ybñg`UfY`hfi`mimci f`ck b`k cf_"I BGK \Ug`j Yfm`WYUf`[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`cZ`ch`Yfg`UbX`dfYg`Ybñ]b[`hY`a`Ug`mci f`ck b`D`U[]Uf]ga]g`U`hmd`Y`cZ]bñ`YWñ U`hY`Zñ`ñWñb`hU`Y`a`Ubm`Zcfa`gž`Zca`XY`]VYfU`h`W`X`Y`U`h]b[`hc`U`W`W`X`Y`b`h`U`m`W`d`m]b[`Zca`U`gci`f`W`k`]h`ci`h`U`W`b`ck`Y`X`[`Y`a`Y`b`ñ`H`Y`I`b]j`Y`fg]m`i`U`g`U`X`cd`h`X`U`b`Y`Xi`W`h]j`Y`U`dd`f`c`U`W`hc`d`U[]Uf]ga`U`b`X`\`U`g`X`Y`j`Y`c`d`Y`X`U`f`U`b[`Y`c`Z`f`Y`gci`f`W`g`hc`gi`d`d`c`f`h`g`h`X`Y`b`ñ]"5`h`Y`X`Y`h]j`g`c`b`d`U[]Uf]ga`ž`b`W`i`X]b[`gca`Y`i`g`Y`Z`f`Y`gci`f`W`g`ž`W`b`V`Y`Z`c`i`b`X`U`h`[k`k`k`"gh`XY`b`ñ`i`bgk`"Y`X`i`"U`i`#`U`\[\]Uf\]ga`"](#)

5`A`]b]b[`9b[]b`Y`Y`f]b[`gh`X`Y`b`ñg`U`f`Y`f`Y`ei`]f`Y`X`hc`W`ca`d`Y`h`U`g`h`i`X`Y`b`h`X`Y`W`U`f`U`h]c`b`Z`c`f`U`W`X`Y`a`]W]b`h`[`f]m`k`\]W`]g`ci`h]b`Y`X`]b`h`Y`U`gg][ba`Y`b`h`W`c`j`Y`f`g`\`Y`Y`h]"6`m`g][b]b[`h]g`X`Y`W`U`f`U`h]c`b`ž`mci`U[`f`Y`Y`h`U`h`mci`f`k`cf_]g`mci`f`ck`b`cf][]b`U`k`cf_"

žmci`b`Y`Y`X`gca`Y`U`X`X]h]c`b`U`gi`d`d`c`f`h`k`]h`mci`f`k`f]h]b[`g_]`gž`d`Y`U`g`Y`W`c`b`h`U`W`h`h`Y`@`Y`U`f`b]b[`7`Y`b`h`Y`c`f`j`]Y`k`gca`Y`c`Z`h`Y`f`Y`gci`f`W`g`c`b`h`Y]f`k`Y`V`g]h`Y`[k`k`k`"W`i`bgk`"Y`X`i`"U`i`"](#)H`Y`@`Y`U`f`b]b[`7`Y`b`h`Y`]g`X`Y`g][b`Y`X`hc`\`Y`d`mci`]a`d`f`c`j`Y`mci`f`U`W`X`Y`a`]W`k`f]h]b[`U`b`X`W`ca`a`i`b]W`h]c`b`g_]`g`"Gca`Y`g`h`i`X`Y`b`ñ`i`g`Y`h`Y`7`Y`b`h`Y`g`Y`f]j`W`g`V`Y`W`i`g`Y`h`Y`m`U`f`Y`Z]b`X]b[`h`Y]f`U`gg][ba`Y`b`ñg`U`W`U`Y`b[`Y`ž`c`h`Y`fg`V`Y`W`i`g`Y`h`Y`m`k`U`b`h`c`]a`d`f`c`j`Y`U`b`U`f`Y`U`X`m`gi`W`W`g`g`ž`U`W`X`Y`a`]W`d`Y`f`Z`c`fa`U`b`W`"

5 WUXYa]W#Zcfa Uh]cb

7 ci fgY'F Ygi `hg

: cf'XYHU]g'cb'l BGK 'UggYgga Ybhd'Wzd'YUgY'j]g]h [k k k "gh XYbhi bgk "YXi "Ui #UggYgga Ybh](#)

#'gca Y']bghUbW'g'mci f'Z]bU'Wci fgY'fYgi `ha UmVY'k]h\Y'X'UbX' bchfY'YUgYX'cb'h\Y'l BGK 'd'UbbYX'XUH" H\]g:]g']bX]WUH'X'VmiU'Wci fgY' [fUXY'fYgi `hcZY]h\Yf.

- @9'-']bX]WUH'g'mci `Uj Y' bchWca d'Yh'X'cbY'cf'a cfY']h'a g'cZUggYgga Ybh'cf
- K 8'-']bX]WUH'g'h\YfY']g'Ub']ggi Y'k]h'cbY'cf'a cfY'Ugg][ba Ybh'cf
- K 7'-' k \]h']bX]WUH'g'mci `Uj Y'Udd']YX'Zc'GdYW]U'7cbg]XYfUH]cb'Xi Y'hc']`bYgg'cf'a]gUX] Ybh'fY UbX'h\Y'Wci fgY'fYgi `hg`Uj Y' bchVYYb'Z]bU']gYX"

#'Y]h\Yf'Yj Ybh]hk ci `X'VY'mci f'fYgdcbg]V']h'hc'WcbhUWh'h\Y'7ci fgY'7cbj YbYf'Ug'gccb'Ug'dfUW]WUV'Y'Vi h bc`UH'f'h\Ub'Z]j Y'f) EXUm]UZ'Yf'fY'YUgY'cZ'h\Y'Wci fgY'fYgi `h'Z'mci `Xcb'h'WcbhUWh'h\Y'Wcbj YbYf'cb'h]a Yz mci `a UmVY'fYei]fYX'hc'fY!gi Va]h'Ub'Ugg][ba Ybhcf'fY!g]h'h\Y'Z]bU'Yi Ua `UbX'a UmfYgi `h]b'mci `ZU]]b[`h\Y

7F ⇒ CG'Dfcj]XYf'7cXY.'\$\$\$-, ;

5W_bck `YX[Ya YbhcZ7ci bhfm

K Y'UW_bck `YX[Y'hY'6YXY[U'dYcd`Y`k \c'UfY'hY'hfUX]]cbU`W ghcX]Ubg'cZhY`UbXg'cb`k \]W`I`BGK
? Ybg]b[hc b`WJa di`g`]g`cW]hYX"