

# PTRL4011

Ug: ]Y`X`9j U`i Uh]cb`6`fH\Yg]gk

HYfa`Hk c`#`&\$&%

7 ci fgY`Cj Yfj ]Yk

GHJZZ'7 cbHJW`8YHU]`g

7 cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
: i feUb`@Y!<i ggU]b	Z feUb"\"i ggU]b4 i bgk "YXi "Ui	H67	&%-`H9H6	- ' , ) `) % +

@YW`i fYfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
A ]XUY`G_]bbYf	a ]XUY`"g_]bbYf	%o	%o	%o

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg '\*`

Gi a a UfmicZ\hY'7 ci fgY

H\Y'ghi XYbHg'[ U]b'\UbX!cb'YI dYf]YbW'cZ\hY'Wca d'Yh'Yj U'i Uhcb'cZUb'UW'i U'Z'Y'X'cZg\cfY'5i ghU'U"  
h]g'Wci fgY'Wcj Yfg'fUe'hY'Wcbgfi W]cb'cZU'Wca di hf]gYX'YWcbca ]Wa cXY'']bWcfdcfU]b[ 'hY'ZgWU'hYfa g  
Zfc'c]'UbX'[ Ug'XYj Y'cda YbHg'cZg\cfY'5i ghU'U]Z'fV'e'fYgYfj c]f'Yb[ ]bYYf]b[ 'UbX'g]a i 'Uhcb'cZfYgYfj c]ffgk  
lc'dfYX]W'hfYgYfj YgZ'dfcXi W]cb'dYfZcfa UbW'UbX'Z'Y'X'XYj Y'cda Ybhc'dh]cbg'f'h]g'U'gc'']bj c'j Yg'UggYgg]b[  
hY'YWcbca ]Wg'cZ\hY'Z'Y'X'XYj Y'cdYa Ybhc'dh]cbgk'UbX'fW'Z'j U'i ]b[ 'hY'Z'Y'X'UbX'Zcfa i 'Uh]b[ 'U'V]X'hc  
UWci ]fY'U'dUfh]W]dU]b[ ]b'hYfYghi]b'hY'dfcdYfmi"

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

5ZYf'gi WWggZ `mWca d'Yh]b[ 'h]g'Wci fgYZ'mci 'g\ci 'X'VY'UV'Y'hc.

@YUfb]b[ 'Ci hWca Y	95'GHU[ Y'%7ca dYhYbW]Yg
%"l bXYfghUbX'hY Yb[ ]bYYf]b[ 'UbX'YWcbca ]WUgdYWg'cZ Yj U'i Uh]b[ 'cZUb'c]'Z'Y'X'UbX'hY' ]ggi Yg' ]bj c'j YX' ]b'Ygha Uh]b[ ]hg j U'i Y"	D9' "&žD9' "' žD9' "( žD9&"&ž D9&""

HYUWX ]b[ 'GhfU]h[ ]Yg'

D'YUgY'fYZf'hc'hY' ]bZcfa Uh]cb' ]b'A ccX'Y

5ggYgga Ybh

5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
DHF @(\$%%fH\Yg]g'6Ł	%%\$i	%&#\$, #&\$&%\$). \$\$'DA	%

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`DHF @(\$%%fH\Yg]g'6Ł

8YHU]`g.

DHF @(\$%%fH\Yg]g'6Ł `Cj YfU`Wcbf]Vi h]cb'fc`Z]bU`a Uf\_) \$i

- K f]hYb`F Ydcfhfl )i Ł/
- DUfh]W]dU]cb`A Uf\_g`f) i Ł/
- J ]XYc`DfYgYbhU]cb`f%\$i Ł/
- DHF @(\$%\$`f) \$i Ł
- 9b[ ]bYYf]b[ `F Ydcfh/ `9Wcbca ]WA cXY`k ]`VY`[ fUXYX`Ug`fGM# `@Ł"

5 HbXUbW F Yei ]fYa Ybhg

Gh XYbhg UfY gfcfb [ mYbWci fu[ YX hc UHbX U WUggYg UbX fyj ]Yk YWi fy fYWcfX]b[ g"

7 ci fgY GWXYXi Y

[J Yk WUgg ha YhUVY](#)

Hja YhUV Y

8 UHr	HmdY	7 cbhYbh
C`K YY_`&) `A Um!`& A Um		
K YY_`%` ` %A Um!`(`>i bY	@YWi fy Hi h@UV	H\Yg]g`]bfcXi W]cb`UbX`YI dYWU]cbg 6i ]X]b[ `]b]hU`XmbUa ]Wa cXY`UbX`7 U`]VfU]cb
K YY_`&.`+`>i bY!`%% >i bY	Hi h@UV	Gk YYhgdch]XYbh]Z]WU]cb
K YY_`.`.%(`>i bY!`% >i bY	Hi h@UV	A i`h]d`Y`k`Y``g]a i`U]cbg
K YY_`(`.%>i bY!`&) >i bY	Hi h@UV	A i`h]d`Y`k`Y``g]a i`U]cbg
K YY_`)`.&.`>i bY!`&`>i`m	@YWi fy 5ggYgga Ybh	@YWi fy!`9Wcbca ]Wa cXY``]b[ 9b[ ]bYYf]b[ `fYdcfh
K YY_`*`.`>i`m!`-`>i`m		
K YY_`+`.`%>i`m!`%*`>i`m	Hi h@UV @YWi fy	9Wcbca ]Wa cXY``]b[ @YWi fy!`&`9Wcbca ]Wa cXY``]b[
K YY_`,`.%`>i`m!`&`>i`m	Hi h@UV @YWi fy	9Wcbca ]Wa cXY``]b[ @YWi fy!` ]U`i`U]cb
K YY_`-`.`&`*`>i`m!`"\$`>i`m	5ggYgga Ybh	9Wcbca ]Wa cXY`
K YY_`%\$.`&`5i [i gh!`* 5i [i gh		

F Ygci fWg

F YWca a YbXYX F Ygci fWg

[k k k "UddYU"Wca "Ui](#) fHY'5i ghfU]Ub'DYfc'Yi a 'DfcXi W]cb'UbX'9I d'cfU]cb'5ggcW]cbk

[k k k "dYgU"Wca "Ui](#) fHY'DYfc'Yi a '9I d'cfU]cb'GcW]micZ5i ghfU]Uk

[k k k "gdk`U"cf\]](#) .....fGcW]micZDYfc'd\mg]W]ghg/`K Y""@c[ `5bU'mghgk

[k k k "gdY"cf\]](#) fGcW]micZDYfc'Yi a '9b[ ]bYYfgk

[k k k "Ud\]"cf\]](#) f5a Yf]W]b'DYfc'Yi a 'bgh]h h'-' : cf'DYfc'Yi a 'G]ubXUfXgk

Gh XYb]g'gYY\_]b[ fYgci fWg'W]b'U'gc'cV]U]b'Ugg]gh]ubW]Zca`h'Y'I B GK `@]VfUfm'`C bY'gh]U]b[ `dc]bhZcf Ugg]gh]ubW]'g.

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

a ]gg]cb`cZ5ggYgga YbhiHUg\_g

Wcc`Ug`XYj`Y`cdYX`U`[ i ]XY`bY`hc`Y`d`mci`k`Y`b`gi`Va ]h]b[ `U`Wci`fgY`Ugg][ ba Ybh`

oWci`fU[ `Y`mci`hc`fYh]b`U`W`dmcZYj`YfmUgg][ ba Ybhgi`Va ]hYX`Zcf`UggYgga YbhZcf`mci`f`ck`b`fYWcfX`  
f`]b`U`fXW`dmc`f`Y`YWfcb]WZfa "

gYgga Ybhj`a`i`gh`Uj`Y`Ub`UggYgga YbhWcj`Yf`g`YYhU`UW`YX"

fgY`Wca`d`Yh]cb

gY`Wca`d`Yh]cb`fYei`]fYg`gi`Va ]gg]cb`cZU`UggYgga Ybh]hYa`g": U]i`fY`hc`gi`Va ]hU`UggYgga Ybh]hYa`g`  
Ygi`h]b`hY`Uk`UfX`cZUb`i`bgUhgZUWcfm: U]i`fY`fl` : E[ fUXY`Zcf`hY`7`ci`fgY`i`b`Ygg`gdYWU`  
XYfU]cb`Ug`VYb`gi`Va ]hYX`UbX`Uddfcj`YX`D`YUgY`bchY`ZU`Wca`dYh`bWri`i`fX`Y`cZ) \$i` ]g`Udd`]YX`hc`  
bU`UggYgga Ybh`

Y`Gi`Va ]gg]cb`cZUb`5gg][ ba Ybh

Uf\_g`Zcf`Ub`Ugg][ ba YbhUfY`cb`mdcgg]V`Y`k`Y`b`Ub`Ugg][ ba Ybh]g`fYW`j`YX`Vm`hY`Xi`Y`XU`h`"

oXYfg]bX`h`Uh`Uh]a`Yg`mci`a`UmbchVY`UV`Y`hc`gi`Va ]hUb`Ugg][ ba Ybhcb`h]a`Y`Z`UbX`hY`GW`cc`k`j`  
a`cXU`h`UbmZ]f`UbX`fY`UgcbUV`Y`Yi`hYbg]cb`K`Y`k`ci`X`fYWca`a`YbX`mci`fYj`]k`hY`i`BGK`GdYWU`  
]XYfU]cb`[ i ]XY`bYg`-`gYY`gYW]cb`VY`ck "

gi`Va ]gg]cb`k`j`bchVY`UW`W`dhYX`UbX`k`j`VY`Wcbg]XYfYX`Ug`bc`gi`Va ]gg]cb"

W]U`7`cbg]XYfU]cb

Wb`Udd`mi`Zcf`gdYWU`Wcbg]XYfU]cb`h`fci`[ \`H`Y`Bi`WYi`g`Gh`XYbh<i`V`k`Y`b`j`bYgg`cf`chYf`  
ghUbW`g`]bhYfZY`fY`k`]h`mci`f`UggYgga YbhdYfZ`fa`UbW`G]W\_bYggza`]gUX]`Ybh`fY`cf`chYf`  
ghUbW`g`VY`mcbX`mci`f`Wcbf`c`a`Um`

• DfYj`Ybh`mci`Z`ca`Wca`d`Yh]b[ `U`Wci`fgY`fYei`]fYa`Ybh`  
oY`Y`d`mci`Z`ca`U`hY`bX]b[ `Ub`UggYggUV`Y`UW]j`]m`  
a`]h]b[ `UggYggUV`Y`k`cf`\_`Zcf`U`Wci`fgY`  
ZYW`mci`f`dYfZ`fa`UbW`]b`UggYggUV`Y`k`cf`\_`Z`VY`]hU`Z`ca`U`Y`bX]c`Z`gYa`YghYf`  
WUgg`hY`ghZ`U`UV`c`f`U`h`f`m`hY`ghZ`U`gYa`]bUf`d`fYgYbhU]cb`cf`U`b`m`chYf`Z`ca`c`Z`

UgY`WcbUW`hY`7`ci`fgY`7`cbj`Ybcf]a`a`YX]U`h`mcbW`mci`U`j`Y`Wca`d`YhY`hY`gdYWU`  
bg`Udd`]W]cbz`bc`U`hY`f`h`Ub`cbY`k`YY`\_`Z`ca`gi`Va ]gg]cb"

A`cfY`XYH]g`cb`gdYWU`Wcbg]XYfU]cb`Wb`VY`Zci`bX`Uh`k`k`k`gh`XYbh`i`bgk`"YXi`"Ui`#gdYWU!Wcbg]XYfU]cb

- 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`U]a g`rc`dfcj ]XY`U``ghi XYbhg`k ]h`U`ZYY`UbX`WcbZ]XYbh]U`gYfj ]W`h`Uh`dfcj ]XYg`dfUW]W]`gi ddcfhrc`Ybgi fY`h`Uhmci f`Y`U`h`WcbX]hcb`XcYgbffiUXj YfgY`mUZZYWimci f`ghi X]Yg`  
[\ftdg.#gh XYbhi bgk "YXi "Ui #/g](#)



## 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`]VYfUñ`W`Y`U]b[`hc`UWñ]XYbñU`m`W`dm]b[`Zca`U`gci`fW`k`]h`ci`hUW`bck`YX[`Ya`Ybñ`H`Y`I b]j Yfg]m\Ug`UXcd`h`X`Ub`Y`Xi`Wñ]j`Y`Uddfc`UW`hc`d`U[ ]Uf]ga`UbX`\Ug`XYj`Y`cd`YX`U`fUb[`Y`cZ`fYgci`fW`g`hc`gi`ddcf`h`gh`XYbñ]"5`h`Y`XY`hU]g`cb`d`U[ ]Uf]ga`ž]bWñ`X]b[`gca`Y`i`gY`Z`fYgci`fW`gž`Wñb`VY`Zci`bX`Uñ`[k`k`k`"gh`XYbñi`bgk`"YXi`"Ui`#d`U\[ \]Uf\]ga`"](#)

5`A`]b]b[`9b[ ]bYf]b[`gh`XYbñg`UfY`fYei`]fYX`hc`W`ca`d`Y`h`U`ghi`XYbñXYWñUf]h]cb`Zc`f`UWUXYa`]W]bñ[`f]m`k`\W`]g`ci`h]bYX`]b`h`Y`Ugg][`ba`YbñW`çj`Yf`g`Y`Y`h]"6`mg][`b]b[`h]g`XYWñUf]h]cb`žmci`U[`fY`h`U`h`mci`f`k`cf\_]g`mci`f`ck`b`cf][`]bU`k`cf\_"

žmci`bYXX`gca`Y`UXX]h]cbU`gi`ddcf`h`]h`mci`f`k`f]h]b[`g\_]`gž`d`Y`UgY`W`cb`hUWñ`h`Y`@YUfb]b[`7`YbñY`cf`j`]Yk`gca`Y`cZ`h`Y`fYgci`fW`g`cb`h`Y]f`k`YVg]hY`[k`k`k`"Wñi`bgk`"YXi`"Ui`"](#)H`Y`@YUfb]b[`7`YbñY`]g`XYg][`bYX`hc`\Y`d`mci`]a`dfcj`Y`mci`f`UWUXYa`]Wk`f]h]b[`UbX`W`ca`a`i`b]Wñ]h]cb`g\_]`g`"Gca`Y`ghi`XYbñg`i`gY`h`Y`7`YbñY`gYf]`]W`g`VYWñi`gY`h`Y`m`UfY`Z]bX]b[`h`Y]f`Ugg][`ba`Ybñg`U`W`U`Y`b[`Y`ž`ch`Y`fg`VYWñi`gY`h`Y`mk`Ubñhc`]a`dfcj`Y`Ub`U`fY`UXm`gi`W`Y`ggž`UWUXYa`]WdYf`Zcfa`UbW"





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`cW`hYX"

