



# SRAP5021

Dc`]Wř'5Xj cWUWniUbX'5Wj] ]ga `]b`h`Y'8][ ]hU`'5[ Y

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

GWXcc`cZGcWJU`GWYbWg`#`I`BGK`..5ftg`UbX`GcWJU`GWYbWg



7 ci fgY`Cj Yfj JYk

`GHUZZ7cbhUW`i8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUjcb	D\cbY
8Uj jX`7cca Vg	XUj jX`Wcca Vg4 i bgk "YXi "Ui	VmUddc]bha Ybh	A cfj Yb`6fck bž %%&ž&\$- žcf &&%	

GW\cc``7cbhUW`ižZcfa Uhjcb

GW\cc``cZGcWU`GWYbWg

F cca `%) -

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

Ya Uj`.gcbg4 i bgk "YXi "Ui

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





H\YfY'g'bc'[ fci d'Wca dcbYbhic'h\g'Ugg][ ba Ybh'H\g'g'Ub'j]Xi U'Ugg][ ba Ybh

Hi fb]h]b'gYh]b[ . 'H\g'Ugg][ ba Ybh]g'gi Va ]hX'h'fci [ \ 'Hi fb]h]b'UbX'gh XYbhg'Wb'gYY'Hi fb]h]b'g]a ]'Uf]m  
fYdcfg"

5 HbXUbW F Yei ]fYa Ybhg

Gh XYbhg UFY ghfc b [ mYbWci fU[ YX hc UHbX U WUggYg UbX fYj ]Yk YWfi fY fYWcfX]b[ g"

7 ci fgY GWXYXi Y

[J Yk WUgg ha YhUVY](#)

Hja YhUV Y

8 UHr	HmdY	7 cbhYbh
K YY_% %+ : YVfi Ufm! &% : YVfi Ufm	GYa ]bUf	K \Uh]g UXj cWUWnB K \Uh]g UWj] ]ga 3 K \Uh]g Y! UWj] ]ga 3  < ck Xc UXj cWUWnUbX UWj] ]ga ]bZi YbW dc ]Wn WUUb[ Y3 < ck Xc k Y X]gh]b[ i ]g\ VYrk YYb X][ ]hU UXj cWUWnUbX ch Yf Zcfa g cZ]bZi YbW gi W Ug cVWm]b[ 3 < ck ]g ]h ]b_YX hc Wca a i b]m cf[ Ub]g]b[ 3
	C b]bY 5Wj] ]m	7 ca d YH U X][ ]hU g_] g ]bj Ybhc fmihc UggYgg mci f ck b X][ ]hU g_] g"
K YY_&.&(: YVfi Ufm! &, : YVfi Ufm	GYa ]bUf	H Y dc ]WmidfcWggZ fUa ]b[ H Y ]ggi YZgYH]b[ h Y U[ YbXU UbX WUa dU][ b [ cUg  7 c YVUH W g WcbW dh U fUa Yk cf_cZH Y dc ]Wn dfcWgg ]g ]bhc Xi WX" H Y WcbW dhcZ f]ggi Y fUa ]b[ f]g Ugc YI d U]bYX ]b fY U]cb hc \ck dfcV Ya g a U_Y ]hc bhc H Y dc ]WnU[ YbXU" H Y ]bZi YbW cZH Y a YX]U ]b H ]g dfcWgg ]g Ugc YI Ua ]bYX"
	C b]bY 5Wj] ]m	Y! UXj cWUWn hc c g  9I Ua ]bU]cb cZY! UXj cWUWn hc c g UbX h Y ]f Udd ]W]cb"
K YY_ . : & A UfW ! * A UfW	GYa ]bUf	; i Ygh YWfi fY  ,
	C b]bY 5Wj] ]m	Y! UXj cWUWn hc c g  9I Ua ]bU]cb cZY! UXj cWUWn hc c g UbX h Y ]f Udd ]W]cb"
K YY_( . : A UfW ! % A UfW	GYa ]bUf	GhU_Y \c XYfgZ ]bhYfYgh[ fci dgZ ]bg]XYfg#i hg]XYfgZ UbX bYrk cf_g  5bU mg]g cZX]ZYfYbhUWc fg UbX h Y ]f fc Yg Vc h ]b fY U]cb hc h Y UXj cWUWn WUa dU][ b UbX h Y dc ]Wn dfcWgg" =Ybh]Zmg hU_Y \c XYfg k ]h h Y dck Yf hc \Y d c f \ ]bXYf h Y WUa dU][ b"
	C b]bY 5Wj] ]m	Y! UXj cWUWn hc c g  9I Ua ]bU]cb cZY! UXj cWUWn hc c g UbX h Y ]f Udd ]W]cb"
K YY_) . : % A UfW ! &\$ A UfW	GYa ]bUf	HY ]b[ h Y g hc fm UbX a U_]b[ h Y bYk g  7 fU]b[ h Y g hc fm hc [ U]b Wcb fc cZH Y U[ YbXU" 5bU mg]g cZXca ]bUbhg hf Yg ]b mci f Wc g Yb WUa dU][ b gdUW UbX WU]b[ mci f g hc fm 7 cbg]XYfU]cb cZcb ]bY j g cZ]bY WUa dU][ b
	C b]bY 5Wj] ]m	Y! UXj cWUWn hc c g  9I Ua ]bU]cb cZY! UXj cWUWn hc c g UbX h Y ]f Udd ]W]cb"

		ghfUHY[ ]Yg`UbX`hUW]Wg"
K YY_*. '&' 'A UfW !'&+ A UfW	GYa ]bUf	l gY`cZYj ]XYbWV  l g]b[ `UbX`dfYgYbh]b[ `Yj ]XYbWV`ZcF`dc`]WnWUUb[ Y" 9j U`i Uh]b[ `gcW]U`a YX]U`Ug`U`gci fW`cZYj ]XYbWV"
K YY_+. " \$'A UfW !" 5df]	GYa ]bUf	5W]j ]ga ž`WnVYfUW]j ]ga ž`g`UW]j ]ga ž`UbX W]W]h]j ]ga /Uk UfYbYggža`cV`]nUh]cb`UbX fYUW]cb  <ck`YZYW]j`Y`]g`X][ ]fU`UXj`cW]WnUbX`UW]j ]ga Wca`dUfYX`hc`cZ]bY`ghfUHY[ ]Yg3`<ck`Xc`k`Y`a`cV`]nY gi`ddcfYfg3
K YY_ ; . * `5df]`!`%\$`5df]	GYa ]bUf	HfUbgbUh]cbU`5Xj`cW]Wn  5`W]h]W`YI`Ua`]bUh]cb`cZhfUbgbUh]cbU`UXj`cW]Wn UbX`\ck`cW]`UWc`fg`W]b`VY`X]gYa`dck`YfYX`UbX ci`hWca`Yg`Wca`dfca`]gYX`Zca`ci`hg]XY"
K YY_ - . % `5df]`!`%+ 5df]	GYa ]bUf	6`UW_`@]j`Yg`A`UfYf`#`X][`Ybci`g`8YUhg`]b 7i`gfcXm  9i`d`cfUh]cb`cZ`h`Y`]bhYfgYW]cbg`VYhk`YYb`dfcfYgh a`cj`Ya`Ybhg`U[`U]bghdc`]W`j`]c`YbW`]b`h`Y`I`G`UbX 5i`ghfU`]U"
K YY_ %\$. &\$`5df]`!`&( 5df]	GYa ]bUf	GUi`5`]b_gmg`F`i`Yg`Zc`F`UX]W]g

F Ygci fWg





## 5 WUXYa ]W<c bYghmUbX 'D`U[ ]Uf]ga

D`U[ ]Uf]ga ]g'i g]b[ 'hY`k cfXg'cf]XYUg'cZchYfg'UbX'dfYgYbh]b[ 'hYa`Ug'mci f'ck b" #WU b'U`Y'a Ubm Zcfa gž Zca`XY]VYfUHY`WXYU]b[ 'hc`UW]XYbU`mWcdm]b[ Zca`U`gci fW`k ]h'ci hUW\_bck`YX[ Ya`Ybh'

I BGK`[ fci dg'd`U[ ]Uf]ga`]bhc`hY`Zc`ck ]b[`WU]Y[ cf]Yg.

7cdm]b[.`i g]b[ 'hY`gUa`Y`cf`j`Yfmg]a`]Uf`k`cfXg`hc`hY`cf][ ]bU`hY`hcf]XYU`k`]h'ci hUW\_bck`YX[ ]b[ 'hY`gci fW`cf`i`g]b[ 'ei`chU]cb`a`Uf\_g`"H\]g`U`gc`Udd`Yg`hc`]a`U[ Ygž`Ufh`UbX`XYg][`b`dfc`YWgž`Ug`k`Y`U`g`dfYgYbU]cbg`k`Y`fY`gca`YcbY`dfYgYbhg`UbchYf`g`]XYUg`cf`k`cfXg`k`]h'ci hWYX]h'

#Uddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[ ]b[`U`Z`k`k`cfXg`UbX`d`fUgYg`k`Y`a`cghm`fYU]b]b[ 'hY`cf][ ]bU`gfi`W`fY`UbX`#`f`dfc[`fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`z`UbX`]bZcfa`U]cb`k`]h'ci hUW\_bck`YX[ Ya`Ybh`H\]g`U`gc`Udd`Yg`]b`dfYgYbU]cbg`k`Y`fY`gca`YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k`cfXg`k`]h'ci hWYX]h`UbX`hc`d]Y]b]b[ 'hc[ Y`hY`f`ei`chYg`UbX`d`UfUd`fUgYg`]bhc`U`bYk`k`Y`c`Z`k`]h'ci hUddfcdf]UHY`fYZYfYbW]b[ "

7c`i`g]cb.`k`cf\_]b[`k`]h`chYfg`Vi`hdUgg]b[`cZ`hY`k`cf\_]Ug`U`d`Yfgcb`g`]bX]j`]Xi`U`k`cf\_]7c`i`g]cb`U`gc`]bW`i`XYg`dfcj`X]b[`mci`f`k`cf\_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi`Y`XU]h`z`cf`Zc`f`hY`di`fdcgY`cZ`hY`a`d`U[ ]Uf]g]b[`Uh`Ubmi]a`Y`z`dUm]b[`UbchYf`dYfgcb`hc`dYfZcfa`Ub`UWUXYa`]W]Ug`ž`gh`U`]b[`cf`UW`ei`]f]b[`UbchYf`dYfgcb`g`UWUXYa`]Wk`cf\_]UbX`Wcdm]b[`]ž`cZ]f]b[`hc`Wca`d`Y`h`UbchYf`dYfgcb`g`k`cf\_]cf`gYY\_]b[`dUma`YbhZc`f`Wca`d`Y]b[`UWUXYa`]Wk`cf\_]`

#Uddfcdf]UHY`W]U]cb.`7`]b[`gci`fW`g`k`]W`U`j`Y`bchVYYb`fYUXž`k`]h'ci hUW\_bck`YX[ ]b[`hY`"gYWcbXUfm`gci`fW`Zca`k`]W`\_bck`YX[ Y`cZ`hY`a`U`g`VYYb`cV]U]bYX"

8i`d`]WU]cb`f`fY`Z`d`U[ ]Uf]ga`"L`gi`Va`]h]b[`mci`f`ck`b`k`cf\_]ž]b`k`Y`cf]b`d`Uf]ž`k`Y`fY`]h`U`g`d`fY`]ci`g`m`VYYb`dfY`dUfYX`cf`gi`Va`]hYX`Zc`f`UbchYf`UggYgga`Ybhcf`Wci`fgY`U`h`I`BGK`cf`UbchYf`i`b]j`Yfg]m'

7c`fY`W`fYZYfYbW]b[`d`fUW]W]g.

- DUfUd`fUg]b[`žgi`a`a`Uf]g]b[`žYggUmk`f]h]b[`UbX`h]a`Y`a`UbU[`Ya`Ybh`
- 5ddfcdf]UHY`i`gY`cZ`UbX`U]h]f]Vi`h]cb`Zc`f`U`fU]b[`Y`cZ`a`U]h]f]U`g`]bW`i`X]b[`hY`i`ž]a`U[`Ygž`Zcfa`i`UY`UbX`WcbW]drg"

#X]j`]Xi`U`Ugg]gh`UbW`]g`Uj`U]UV`Y`cb`fYei`YghZca`H\Y`@YUf]b[`7`YbhY`f`h`hd`##`k`k`"Wi`bgk`YXi`"Ui`#`G`h`XYbhg`UfY`U`gc`fYa`]bYX`h`U`h`W]fYz`h]a`Y`a`UbU[`Ya`Ybh]g`Ub`]a`dcf]UbhdUf]hcZ`gh`Xm`UbX`cbY`cZ`hY`]XYbh]Z]YX`W`i`gYg`cZ`d`U[ ]Uf]ga`]g`d`cc`f`h]a`Y`a`UbU[`Ya`Ybh`G`h`XYbhg`g`l`ci`X`U`ck`gi`Z]W]Ybh]h]a`Y`Zc`f`YgYUfW`ž`X`fU]h]b[`UbX`dfcdYf`fYZYfYbW]b[`cZ`gci`fW`g`]b`dfY`dUf]b[`U`UggYgga`Ybh]h]a`g"

I BGK`@]VfUfmU`gc`U`g`hY`9@G9`hc`U`j`U]UV`Y`hc`Ugg]ghmci`k`]h`mci`f`gh`XmU`h`I`BGK`"9@G9`]g`XYg][`bYX`hc`]b]f`c`Xi`W`bYk`gh`XYbhg`hc`gh`Xn]b[`U`h`I`BGK`Vi`h]h`WU`b`U`gc`VY`U`[`fYU`h`fY`ZYg`Y`f`Xi`f]b[`mci`f`gh`Xn'

7ca`d`Y`h]b[`hY`9@G9`h`hc]f]U`UbX`ei`]n`k`]Y`bU`V`Y`mci`hc.

- UbU`mgY`hc`d]Wgž`d`Ub`fYg`d`cbgYg`UbX`cf[`Ub]gY`fYgYUfW`Zc`f`UWUXYa`]Wk`f]h]b[`UbX`chYf`UggYgga`Ybh]Ug\_g`
- YZYW]j`Y`m`UbX`Y`Z]W]Ybh]m]Z]bX`Uddfcdf]UHY`]bZcfa`U]cb`gci`fW`g`UbX`Yj`U`i`U`h`fY`Yj`UbW`hc`mci`f`bY`Y`Xg`
- i`gY`UbX`a`UbU[`Y`]bZcfa`U]cb`YZYW]j`Y`m`hc`UW`Wca`d`]g`U`gdY`W]Z]Wdi`fdcgY`

- 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

