



# SOCW4003

5Xj UbWX'GcWU`K cf\_'DfUWjW`A YhcXg

HYfa `CbY`#`&\$&%

GWcc`cZGcWU`GWYbWg`#`1 BGK `5ffg`UbX'GcWU`GWYbWg





7ci fgY'8YHJ]`g

7fYX]hDc]bHg`\*`

Gi a a UfmicZh\Y'7ci fgY

Mci`k`j`gh`XmU'gdYWZ]Wa`Yh\cX'cZgcW]U`k`cf`\_dfUW]W`]b!XYdH`"5g`dUfhcZUXj`UbVWX'ghi`Xm]b`h\Y`Z]Y`X'cZ`GcW]U`K`cf`\_z'h]g`Wci`fgY`dfcj`]XYg`mci`k`]h`h\Y`cddcfh`b]mhc`'XYdYb'mci`f'i`bXYfghUbX]b[`'UbX`WUdUW]mhc`dfUW]W`]b`U`[`]j`Yb`UgdYW]cZUXj`UbVWX'gcW]U`k`cf`\_a`Yh\cXg`"Hi`]hcb`UbX`UggYgga`Ybh]bWi`XYg`k`cf`\_b[`]bhYfUW]j`Y`mk`]h`Yi`Ua`d`Yg`cZdfUW]W`"Gh`XYbhdfYZYfYbW]g`UfY`hU`Yb`]bhc`UW]ci`bh]b`YghUV`]g\]b[`'h\Y`fUb[`Y`cZUXj`UbVWX'a`Yh\cXg`h\UhfY`Wcbg]XYfYX`YUWX`mYUf`"

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

%`7cbWdhi`U`]gY`U`gY`YW]X'gcW]U`k`cf`\_dfUW]W`'a`Yh\cX`"  
&`9I`d`U]b`fY`Yj`UbhidfUW]W`h\Ycf]Yg`]b`XYdH`"  
'`"5f]W`UHY`h\Y`fY`U]cbg\]d`VYfk`YYb`g\_]`g`UbX`\_bck`YX[`Y`fY`Yj`Ubhid`U`gY`YW]X'gcW]U`k`cf`\_`dfUW]W`'a`Yh\cX`"  
(`"GY`YWi`UbX`Udd`miU`gcW]U`k`cf`\_a`Yh\cX`hc`U`ghU]X`dfUW]W`]ggi`Y`cf`dfcV`Ya`"

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

H\]g`Wci`fgY`cZYfg`gh`XYbhg`]bgrfi`W]cb`]b`h\Y`h\YcfmiUbX`dfUW]W`cZU`gY`YW]X'gcW]U`k`cf`\_dfUW]W`a`Yh\cX`"H\Y`k`YY`\_mZcfa`Uh]g`U`"!ci`f`WUgg`h\UhfYei`]fYg`h\Y`UW]j`Y`dUfh]W]dU]cb`cZU`gh`XYbhg`UbX`Wca`V]bYg`U`[`i`]YX`fYUX]b[`dfc[`fUa`z`h\YcfmgYa`]bUfg`UbX`dfUW]W`k`cf`\_g\cdg`"

5ggYgga Ybh


## 5 HbXUbW F Yei JfYa Ybhg

HAY'GWcc'cZGcWU'GWYbWYg'YI dYWg'hUhg'h XYbhg'k ]'UHbX'UbX'dUfhWdUH'UWj] Y'm]b'%'\$i' cZ'YUfb]b[ 'UbX'hUW]b[ 'UWj] ]hYg" A UbXUc'fmUHbXUbW'cZWUggYg'Zcf'h]g'Wci fgY'jg'dUfhcZ'hY UWWYX]hU]cb'fYei JfYa Ybhg'Zcf'hY'6GK'fk'cbgk'dfc[ fUa "'HAY'Wci fgY'jg'XYg][ bYX'hc'dfcj ]XY'YggYbh]U'YUfb]b[ ]b'YUW'gYa ]bUfz'h]g'a YUbg'mci 'a i ghUHbX'U' hAY'gYa ]bUfg"

Zmci 'UFY'i bUVY'hc'UHbX'U'WUggZ'mci 'a i ghYa U]'mci f'Wci fgY'hi hc'f'UbX'hAY'Wci fgY'Wcbj Ybcf'Uhmci f YUf]YghWcbj Yb]YbW'"Zmci 'UHbX'Ygg'hU'\$', cZ'WUggYgZ'mci 'a UmVY'fYZ'gYX'Z]bU'UggYgga Ybh'h]g a YUbg'hU]Zmci 'Xc'bchUHbX'Uh'YUgh, \$i' cZ'dcgg]VY'WUggYg'mci f'Z]bU'Ugg][ ba Ybhc'f'YI Ua 'a Um fYW]j Y'U'a Uf\_cZnYfc"'Mci 'UFY'fYgdcbg]VY'Zcf'\_YYd]b[ 'fUW'cZmci f'UHbXUbW'UbX'WcbUW]b[ 'mci f Wci fgY'Wcbj Ybcf'f'UbY'A ck'`L]a a YX]UH'm]Zmci 'UFY'WcbW'fbYX'UVci hmci f'UHbXUbW'fYW'fX'UbX']hg ]a dUW'icb'mci f'UV']hmhc'Wca d'Yh'mci f'Wci fgY'gi WYggZ'`m': cf'hAY'di fdcgY'cZUHbXUbW'a cb]hc]f]b[ z hAY'Z]bU'UggYgga Ybh'Zcf'h]g'Wci fgY'jg'hAY'Gi Vg]Ub]j Y'5gg][ ba Ybhk'cf'h'\*\$i' cZmci f'cj YfU''[ fUXY'Zcf'h]g'Wci fgY'"H]g]g'hAY'UggYgga Ybh]fYa 'hUhk ]''VY [ fUXYX'UhinYfc']Zmci 'Xc'bchia Yh'hAY'UHbXUbW'fYei JfYa Ybh'

## 7 ci fgY'GWYXi `Y

[J Jk WUgg'ha YHUVY](#)

Hja YHUV'Y'

8UH	HmdY	7cbhYbh
K YY_% %) : YVfi Ufm! %- : YVfi Ufm	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@9B 7 9'9@97H=] 9''f7 A F L'Hcd]W
	GYa ]bUf	GC 7 -5@'89J 9@C DA 9BH'9@97H=] 9'fGC 7 89J L'Hcd]W
K YY_&.&&: YVfi Ufm! *& : YVfi Ufm	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@9B 7 9'9@97H=] 9''f7 A F L'Hcd]W
	GYa ]bUf	GC 7 -5@89J 9@C DA 9BH'9@97H=] 9'fGC 7 89J L'Hcd]W
K YY_' : %A UfW !') A UfW	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@9B 7 9'9@97H=] 9''f7 A F L'Hcd]W
	GYa ]bUf	GC 7 -5@89J 9@C DA 9BH'9@97H=] 9'fGC 7 89J L'Hcd]W
K YY_( : ; 'A UfW !'%& A UfW	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@9B 7 9'9@97H=] 9''f7 A F L'Hcd]W
	GYa ]bUf	GC 7 -5@89J 9@C DA 9BH'9@97H=] 9'fGC 7 89J L'Hcd]W
K YY_) : %) 'A UfW !'%- A UfW	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@9B 7 9'9@97H=] 9''f7 A F L'Hcd]W
	GYa ]bUf	GC 7 -5@89J 9@C DA 9BH'9@97H=] 9'fGC 7 89J L'Hcd]W
K YY_* : &&'A UfW !'&* A UfW	F YUX]b[	Bc:7`Ugg
	F YUX]b[	Bc:7`Ugg
K YY_+ : &- 'A UfW !'& 5df]	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@9B 7 9'9@97H=] 9''f7 A F L'Hcd]W
	GYa ]bUf	GC 7 -5@89J 9@C DA 9BH'9@97H=] 9'fGC 7

		89J L'Hcd]W
K YY_ ; .) '5df]'!' - '5df]'	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@-9B 79'9@97H=9''f7A F L'Hcd]W
	GYa ]bUf	GC 7 '5@89J 9@C DA 9BH'9@97H=9'fGC 7 89J L'Hcd]W
K YY_ ' . %& 5df]'!' %* 5df]'	GYa ]bUf	7CI BG9@@B; 'A 9H<C 8G'5B8 F 9G-@-9B 79'9@97H=9''f7A F L'Hcd]W
	GYa ]bUf	GC 7 '89J '! 'DfUW]W 'YI Ua d'Y''

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

F YUX]b[ g`UbX`fYgci fWg`Zcf`h]g`Y`YWj`Y`UFY`gdYWZ]YX`cb`h`Y`gYW]cb`cZ`h`Y`A`ccX`Y`dU[ Y`Zcf`h]g`Y`YWj`Y`

F YWca a YbXYX`F Ygci fWg

F YUX]b[ g`UbX`fYgci fWg`Zcf`h]g`Y`YWj`Y`UFY`gdYWZ]YX`cb`h`Y`gYW]cb`cZ`h`Y`A`ccX`Y`dU[ Y`Zcf`h]g`Y`YWj`Y`

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

H\]g`Wci fgY`]g`Yj U`i UhX`i`g]b[ `gh`XYbh`YUfb]b[ `fyj`JYk`gZ`WUgg`ZYXVUW`UbX`h`Y`A`mY`dYf]YbW`gi`fj`Ym`fYgi`hg`"Gh`XYbhZYXVUW`]g`j`U`i`YX`Ug`dUfhcZ`h`Y`cb[`c]b[ `Wci`fgY`fYj`JYk`UbX`XYj`Y`cda`Ybh`H`Y`c`ZY`fYX`Y`YWj`Yg`]b`h]g`Wci`fgY`a`Umj`UfmZ`ca`mY`Uf`hc`mY`Uf`UbX`Y`YWj`Y`gdYWZ]WZYXVUW`Ug`VYYb`i`gYX`hc`a`U`Y`W`Ub[`Yg`k`\]W`\Uj`Y`]bW`XYXZ`VUgYX`cb`dfYj`]ci`g`Yj`U`i`Uh]cbg`!`W`Ub[`Yg`\Uj`Y`VYYb`a`UXY`hc`UggYgga`Ybh]Ug`g`UbX`Z]bY`!`h`b]b[ `cZ`WUgg`YI`YfW]gYg`"H`Ub`\_`mci` `]b`UXj`UbW`Zcf`mci`f`dUfh]W]dUh]cb`]b`h]g`dfc`W`gg"

Gi Va ]gg]cb`cZ5ggYgga YbhiHUg\_g

Hi fb]h]b`Gi Va ]gg]cb

Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`UgY`  
HY`Yd`l`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`,)``'``'``%`cf`Ya`Uj`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`""Gi`ddc`fh`  
l`ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`i`cb`k`YY`\_X`Umg`U`bX`-`.\$\$Ua`-`).`.\$\$da`i`cb`k`YY`\_Y`bXg`f`l`\*)`X`Umg`U`m`Y`U`f`l`"Ʒmci`  
UfY`i`b`UV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`a`Um`Udd`m`Z`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Yj`U`b`h`X`c`W`a`Y`b`h`g`k`h`c`  
]b`Wi`XY`U`g`Y`j`]X`Y`b`W`h`c`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`Uj`9I`HY`fb`U`Gi`ddc`fh`mci`k`j`  
Ui`h`ca`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`l`cb`Y`mci`k`j`b`Y`Y`X`h`c`gd`Y`W`Z]W`U`m`Ug`\_`Z`f`c`b`Y`"  
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`gi`d`X`U`h`Y`g`c`b`h`Y`]f`g`m`g`h`Ya`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Yb`hi`U`g`\_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`  
Ugg][`ba`Yb`h`i`h`]b`g`h`U`b`W`g`k` \Y`f`Y`h`l`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`c`b`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`c`f`]b`Z`c`fa`U`h]c`b`c`b`l`c`k`hc`gi`Va`]h`Ugg][`ba`Yb`h`g`c`b`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!  
gi`Va`]h`Ugg][`ba`Yb`h`a`cc`X`Y`"



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

D`U[ ]Uf]ga `]g`i g]b[ `hY`k cfXg`cf`]XYUg`cZc`hYfg`UbX`dfYgYbh]b[ `hYa `Ug`mci f`ck b" `#WUb`hU`Y`a Ubm  
Zcfa gZ`Zca `XY`]VYfU`h`V`X`Y`U`h]b[ `hc`U`W`Y`X`Y`b`h`U`m`W`c`d`m]b[ `Zca `U`gci f`W`k ]h`ci h`U`W`b`c`k `Y`X[ `Y`a `Y`b`h`

I B G K ` [ fci dg`d`U[ ]Uf]ga `]bhc`hY`Zc`ck ]b[ `W`h`h` [ cf]Yg.

7 cdm]b[ .`i`g]b[ `hY`g`U`a `Y`cf`j`Y`fmg]a ]Uf`k`cfXg`hc`hY`cf][ ]bU`h`l`h`cf`]X`Y`U`k ]h`ci h`U`W`b`c`k `Y`X[ ]b[ `hY`

- i bXYfghUbx'mci f'f][ \hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hžI BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dYW'X'cZYj Yfmcby`]b'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj ]Wg'UbX'j]bZcfa Uh]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k ]`VY'ZJa ]]Uf'hc'mci ž'ch'Yfg'k ]`VY'byk "; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k ]`Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hhd.##ji V'YWf i \]XYg" \]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

## 5 WUXYa ]WbZcfa Uh]cb

: cfYggYbh]U`gh XYbh]bZcfa Uh]cb fY`Uh]b[ `rc.

- fYei Yghg`Zcf`YI hYbg]cb/
- `UhY`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZYmidc`]WYg/
- YI Ua ]bUh]cb`dfcWYXi fYg/
- gdYW]U`Wc]bg]XYfUh]cb`]b`hY`Yj YbhicZ]`bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]m]UbX`X]gUV`]m/
- UbX`c`hYf`YggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY

[\ftdg.#k k k "Uftg"i bgk "YXi "Ui #W ffYbh\]gh XYbh\]UWUXYa \]W\]bZcfa Uh\]cb#dfchWc`g!\[ i \]XY`\]bYg#](#)

⇒ U[ Y`7 fYX]h

7 fYUh] Y`7 ca a cbg`ZY`]a U[ Y. ] bgd`Ug\

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY. \$\$\$- ;

5W\_bck `YX[ Ya YbhicZ7ci bhfm

K Y`UW\_bck `YX[ Y`hY`6YXY[ U`dYcd`Y`k \c`UfY`hY`fUX]h]cbU`W`ghcX]Ubg`cZ`hY`UbXg`cb`k \]W`I BGK  
? Ybg]b[ rc]b`W]a di g`]g`cW]hYX"