



# SOCW4015

< cbc i fg 'F YgYUfVX 'H\Yg]g

HYfa 'Hk c ''##'&\$&\$

7 ci fgY`Cj Yfj ]Yk

GHJZ 7 cbHJW`8YHJ]`g

7 cbj Ybcfg

|        |       |  |  |  |
|--------|-------|--|--|--|
| B Ua Y | 9a U] |  |  |  |
|        |       |  |  |  |



# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

|                            |          |                          |  |
|----------------------------|----------|--------------------------|--|
| 5ggYgga YbhHUg_            | K Y][ \h | 8i Y'8UH                 | Gh XYbh@YUfb]b[<br>Ci hWta Yg'5ggYggYX |
| <cbci fg'F YgYUfW \H\Yg]g' | %%\$i    | %* #/\$#&\$&\$'%%\$\$'DA | %z&Z ž( ž)                             |

## 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`<cbci fg'F YgYUfW \H\Yg]g

GhUfhXUH. `Bch5dd`]WVY

@Yb[ h. `%%z\$\$\$'hc`%&z\$\$\$

8YHJ]`g.

Gh XYbhg`UFY`fYei`jFYX`hc`i`bXYfU\_Y`U`%\$z\$\$\$`!%&z\$\$\$`!k`cFX`fYgYUfW`dfc`YWh]b`Ub`UFYU`cZHY]f`]bhYfYghz`fY`UH`X`hc`gcW]U`k`cf`\_`cf`\YU`h`#`Y`ZUfY`dfUW]W`"Gh XYbhg`k`j`k`cf`\_`cb`h`]g`dfc`YWh]b`HYfa` `&`UbX`dUfhcZ`HYfa` ` `"

Gh XYbhg`k`j`"VY`U`cW]H`X`Ub`UW]XYa`]Wgi`dYfj`]gcf`k` \c`\Ug`YI`dYfh]gY`]b`h`Y`gh`XYbhg`fYgYUfW`UFYU`UbX`#`f`W`cgYb`a`Y`h`c`Xc`c`[`m`"

H\Y`h`Yg]g`a`Uf`\_`Wta`df]gYg`%%\$i` `cZHY`a`Uf`\_`Zcf`GC`7`K`(``\$%)`"

Gh XYbhg`k`j`"VY`dfcj`]XYX`k`]h`cb[`c]b[` `ZYXVUW`\_`cb`h`Y]f`fYgYUfW`dfc`YWh]Vm]h`Y]f`U`cW]H`X`gi`dYfj`]gcf`" `#`UXX]h]cbz`gh`XYbhg`k`j`"fYW]j`Y`ZYXVUW`\_`Zca` `h`Y`W`cbj`YbYf`cZGC`7`K`(``\$%)`Xi`f]b[` `gYa`]bUfg`"9UW`h`Yg]g`k`j`"VY`a`Uf`\_`YX`Vm]k`c`]bXYdYbXYbhYI`Ua`]bYfg`"Gh XYbhg`k`j`"fYW]j`Y`U`bi`a`Yf]W]`[`fUXY`UbX`k`f]hYb`ZYXVUW`\_`Zca` `h`Y`YI`Ua`]bYfg`"

## 5XX]h]cbU`XYHJ]`g.

H\Y`Zc`ck`]b[` `cd]h]cbg`W]b`VY`W`cbg]XYfYX`]b`fY`Uh]cb`hc`a`Y`h`c`Xc`c`[`m`"

%`9a`d]f]W]`Ybei`]fm.`;`]j`Yb`h`Y`h]a`YZUa`Y`Uj`U]`UV`Y`Zcf`h`Y`dfc`Xi`W]cb`cZHY`h`Yg]g`UbX`h`Y`k`cFX` `]a`]h]h]k`j`"fYei`]fY`UXYei`UH`h]a`Y`hc`gYW`fY`h`Y`fYei`]fYX`Yh`]W]g`Uddfcj`U`Zcf`Ub`cf][`]bU`Ya`d]f]W]`fYgYUfW`]bei`]fnz`i`b`Ygg`h`Y`gh`XYbh]g`d`Ubb]b[` `hc`UbU`mY`Ub`YI`]gh]b[` `XUH]`gYh]c`UXXfYgg`h`Y]f`fYgYUfW`ei`Ygh]cb`UbX`Uj`Uf]Uh]cb`]b`Ub`YI`]gh]b[` `Yh`]W]g`Uddfcj`U`]g`dcgg]VY`cf`h`Y`XUH]`gYh]g`di`V`]W]m]Uj`U]`UV`Y`"9a`d]f]W]`fYgYUfW` \ck`Yj`Yf]g`hc`VY`W`cbg]XYfYX`W]fYZ` `mk`]h`Xi`Y`W`cbg]XYfYh]cb`cZHY`Y`]bY`hc`gi`Va`]gg]cbz`UbX`]b`W`cbg]`h]h]cb`k`]h`mci`f`gi`dYfj`]gcf`"

%`7`cbW]dh]U`fYgYUfW`YI`d`cf]b[` `cf`Z`f`h`Y`f`XYj`Y`cd]b[` `h`Y`fY`Uh]cbg`\]d`VY`h`YYb`W`cbW]dh]g`cf`h`Y`cfm`h`UhYI`d`U]bg`cf`XYgW]VYg`h`Y`d`Ybca`Ybcb`VY]b[` `gh`X]YX`UbX`UXXfYgg]b[` `U`gdYW]Z]WfYgYUfW`ei`Ygh]cb`"5`W`cbW]dh]U`dfc`YWh]g`fY`UH`X`hc`Ub`UVghUWh]XYUf]g]c`f`h`Y`cfm`" `h]g`[`YbYfU`mi`gYX`hc`XYj`Y`cd`bYk`W`cbW]dh]g`cf`hc`fY]bhYfdYhYI`]gh]b[` `cbYg]b`fY`Uh]cb`hc`Ub`UFYU`cZ]bei`]fmc]f`fYgYUfW`"

ei Yghcb"

% 5 Gwcd]b[ 'F Yj ]Yk 'cf'hY'a cfY'XYHJ]YX'dfcWVgg'cZU'F Ud]X'9j ]XYbWV'5ggYgga Ybhif 95L''5  
gWcd]b[ 'fyj ]Yk 'Wb'vY'i gYX'hc'XYHfa ]bY'hY'fUb[ Y'cZgh X]Yg'hUhUfY'Uj U]UV'Y'cb'U'gdYWVZ  
hcd]W' H\lg'a Ud'cZhY'YI ]gh]b[ '']HfUhi fY']g'i bXYfU\_Yb'k ]h''ja ]H'X'fYgci fW'g'!'dUfh]W 'Uf'mi]a Y"  
F 95g'dfcj ]XY'U'VU'UbW'X'UggYgga YbhcZk \Uh]g'U'fYUXm\_bck b'UVci hU'dc']W'ic'f'dfUW]V' ]ggi Yž  
Vmi g]b[ 'gmg]h'a Uh]WfYj ]Yk 'a Y'hcXg'hc'gYUfW'UbX'W']h]W'mUddfU]gY'YI ]gh]b[ 'fYgYUfW''H\YmU]a  
hc'vY'f][ cfc]g'UbX'YI d']W]h]b'a Y'hcXž'UbX'h'i g'gmg]h'a Uh]W'Vi'ha U\_Y'W'cbW'gg]cbg'hc'h'Y'VfYUXh  
cf'XYd'h'cZ'hY'dfcW'gg'Vmi]a ]h]b[ 'dUfh]W 'Uf'UgdYV'g'cZ'hY'gmg]h'a Uh]WfYj ]Yk 'dfcW'gg"

Gi Va ]gg]cb'cZH\Yg]g

8i Y'XUHY. %\*h'cW'cVYf'&\$&\$'Vm%") - da "'Gh XYbh]a i ghigi Va ]hUb'Y'YW'fcb]Wj Yfg]cb']b'K cfX'Zc'fa Uh  
hc'h'Y'7ci fgY'7cbj Ybcf'UhYžYfbUbXYn4 i bgk "YXi "Ui

Gi Va ]gg]cb'cZ\UfX'W'cd]Yg

⊕:UXX]h]cbžgh XYbh]UfY'fYeI ]fYX'hc'gi Va ]h'&\UfX'W'cd]Yg']b'dYfgcb'cf'Vmidcgh'9']nUVYh': YfbUbXYnž  
ffcca '%) &ž@Yj Y'%A cfj Yb'6fck b'6i ]X]b[ 'L'cb'%-h'cW'cVYf'VYh'YYb'%&Ja '-(da "

: cfa UhcZH\Y'h\Yg]g

8YH]g'cZ'hY'Zc'fa UhcZH\Y'h\Yg]g'k ]''VY'Uj U]UV'Y'cb'h'Y'A ccX'Y'dU[ Y'UbX'k ]''VY'X]gW'ggYX']b  
gYa ]bUfg"

@UH' dYbU'h]Yg





7cfV]bž>"/'GfU i ggž5"f&\$%) Ľ6Ug]Wg'cZei U']hUj Y'fYgYUfW "f( ħ'9XĽ'GU[ Y'Di V']W]hcbg'@cbXcb'I ?

: ]WžI "f&\$%& Ľ'bfci W]b[ 'fYgYUfW 'a YhlcXc'c[ m'5'VY[ ]bbYf'g[ i ]XY'hc'Xc]b[ 'U'fYgYUfW 'dfc'YW'GU[ Y  
Di V']W]hcbgž'@cbXcb'I ?

<c`cg\_cžA "'>"f&\$\*\$Ľ'Df]a Yf'Zcf'W]hei ]b[ 'gcW]U'fYgYUfW. '5'ghi XYbh[ i ]XY"'6Y'a cbiž75. 'H\ca gcb  
<][ \Yf'9Xi W]hcb"

? i a UfžF "f&\$%( Ľ'F YgYUfW 'a YhlcXc'c[ m'5'gh'd'Vmgh'd'[ i ]XY'Zcf'VY[ ]bbYfgž'f( ħ'YX"Ľ'5XX]gcb'K Yg'Ym  
@cb[ a UbžA Y'Vci fbY'5i ghfU'U

"

A Ufck ž7"F "f&\$%) Ľ'F YgYUfW 'a YhlcXg'Zcf[ YbYfU]ghgcW]U'k cf\_"'6Y'a cbi'6fcc\_g#7 c'Y"

A i bZcfXžF "/'GUbXYfgž>"f&\$%' Ľ'"A U\_]b[ 'U'X]ZYfYbW' ]b'ZJa ]Y]Yg. 'F YgYUfW 'hUhWYUhg'W]Ub[ Y"'7 fck g  
BYgh'5''Yb'/'I bk ]b"

Di VgYU\_]bcb"

BYi a UbžK "@f&\$% Ľ'GcW]U'fYgYUfW 'a YhlcXg. 'E i U']hUj Y'UbX'ei Ub]hUj Y'UddfcUWYg.H

<][ \Yf'9Xi W]hcb"



'GUfUbfU\_cgž'G"f&\$%)E"GcWU`fYgYUfW`fI fX`YX"E"@cbXcb.'A UWá ]`Ub"

'K U`Yfž'A "f&\$% E"GcWU`fYgYUfW`a YhcXg". 'CI ZcX'I b]j Yfg]mDfYgg'5BN

K U`Yfž'A "f9X"Ef&\$\*\$E"GcWU`fYgYUfW`a YhcXg.'Ub'5i ghFU]Ub'dYfgdYW]j Y"Gci h'A Y`Vci fbY.'CI ZcX

M]bžF "? "f&\$%- E'7 UgY`ghi XmfYgYUfW.`8Yg][ b`UbX'a YhcXg"f( h`YX"E'GU[ Y`Di V`]W]h]cbgž@cbXcb'I ?"

M]bžF "? "f&\$%&E'5dd`]W]h]cb`cZW]gY`ghi XmfYgYUfW`"GU[ Y`Di V`]W]h]cbgž@cbXcbžI ?"

F`Y`Yj Ubh>ci fbU`g

5i ghFU]Ub`GcWU`K cf\_''''''

6f]hg\`>ci fbU`cZGcWU`K cf\_

7\]X`UbX': Ua ]mGcWU`K cf\_

7\]XfYb`UbX`Mci h`GYfj ]W]g`F Yj ]Yk

hYfbU]h]cbU`>ci fbU`cZGcWU`K Y`ZJfY

hYfbU]h]cbU`GcWU`K cf\_

>ci fbU`cZ7\]X`UbX': Ua ]mGh X]Yg

>ci fbU`cZGcWU`K cf\_'9Xi W]h]cb

>ci fbU`cZGcWU`GYfj ]W] F YgYUfW

E i U`]h]h]j Y`h]ei ]fm

F YgYUfW`cb`GcWU`K cf\_'DfUW]W]

GcWU`K cf\_

GcWU`K cf\_'F YgYUfW





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`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`)`"``"``%`cf`Ya`U]`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`"Gi`ddc`fh`  
`ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`i`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`i`cb`k`YY`YbXg`fI`\*)`XUmg`U`mY`UfI`"Ʒmci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Zi`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Zc`f`Ub`YI`HY`bg]cb`z`Vi`hmc`i`  
a`i`gh`fY`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`Ub`mci`h`Y`f`fY`Yj`Ub`h`Xc`W`a`Y`b`hg`L`hc`  
]b`Wi`XY`Ug`Yj`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`U]`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`  
Ui`hc`a`U`h]W`m`f`Y`W`j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z]W`m`Ug`\_`Zc`f`cb`Y`"  
Hi`fb]h]b`U`gc`d`fcj`]X`Y`gi`d`X`U`h`g`cb`h`Y]f`g`mg`h`Ya`g`h`U`h`g`cb`Hk`]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`cb]W`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`cf`U`A`cc`X`Y`  
Ugg][`ba`Yb`h`i`h`]b`g`h`U`b`W`g`k`Y`f`Y`h`g`]g`b`ch`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`f`b`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`cf`]b`Z`fa`U`h]cb`cb`\`ck`hc`gi`Va`]h`Ugg][`ba`Yb`hg`cb`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`gh`XY`b`h`i`bgk`"YXi`"Ui`#`ck`!  
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`]VYfUHY`VX`YU]b[ `hc`UW]XYbhU`mW`cdm]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[ `W]hY[ cf]Yg.

7 cdm]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

- 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 WñUbX'5WwdfUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wñ
- VY'Uk UfY'cZñY'ghUbXUfXg'cZVY\Uj ]ci f'YI dYWñX'cZYj Yfmcby`]b'hY'I BGK 'Wca a i b]m
- `cWñH'gYfj ]Wg'UbX' ]bZcfa Uhcb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZñYgY'UfYUg'k ]`VY'ZJa ]]Uf'hc'mci žcñYfg'k ]`VY'byk "; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU`ñY fY'UH'X'UgdYWñ'cZ9@G9'k ]`Y'd'mci 'a U\_Y'hY'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\ftd.##ji V'YWñ \]i \]XYg" \]VfUfm'i bgk "YXi "Ui #'\]gY#\]Vci h' \]gY](#)

5 WUXYa ]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `tc.

- fYei Ygth`Zc`YI H`bg]cb/
- `Uh`gi Va ]gg]cbg`[ i ]XY`]bYg/