



**ARTS3054**

7 ci fgY`Cj Yfj ]Yk

`GHJZ`7 cbhJW`i8YhJ]`g`

`7 cbj Ybcfg`

B Ua Y				

7ci fgY'8YHJ]`g

7fYX]hDc]btrg`\*`

Gi a a UfmicZ\hY'7ci fgY

K \UhXc'mci`k Ubhlc'VY`k \Yb'mci`[ fck`i d3'5higca Y'dc]bhXi f]b[ `h\Y`Y][ \hYb\h`W\bh frz'h]g`ei Ygh]cb  
k YbhZca`VY]b[ `a cfY`cf`Ygg'a YUb]b[ `Ygg`tc`cbY`cZ\hY`W\bfU`dfYcVW dU]cbg`cZK`YghYfb`])hYfUhi`fY`UbX  
W`hi`fY`h\Y`Xfj]`b[ `df]bW]d`Y`cZVci`bhYgg—]Zbcha`cgh—WUgg]Wbcj`Y`gZ`UbX`h\Y`cVWUg]cb`Zc`f`a`Ubm  
W]bcb]W]`k`cf\_g]b`c`h\Yf[ `YbfYg`UbX`a`YX]U`H\Y`]XYU`h\Uh\h\Y`g`UdY`cZUb`]bX]j`]Xi`U`])Z`Zc`ck`g`U`VUg]W  
dU]hYfb`cZXYj`Y`cda`YbhZ`YUX]b[ `Zca`h\Y`cdYb!YbXYX`dcgg]V])]mrcZmci`h`tc`h\Y`g`hUVY`]XYbh]mrcZ  
UXi`h`ccXZ`gYya`g`gY`ZYj`]XYbhlc`i`gZ`Vi`hi`h]g`]XYU`U`Ug`U`U`]g`h`fm`])h`Ug`VYYb`Z][`i`fYXZ`VcbZ][`i`fYX`UbX  
fYVcbZ][`i`fYX`]b`a`UbmX]Z]fYbhk`Um]c]j`Yf`h\Y`dUgh`&`\$`mY`UfgZ`UbX`Vcb]bi`Yg`tc`a`i`hU]h`UbX`XYj`Y`cd`i`bXYf  
ci`fYmYg`tcXUm`H\Y`U]a`cZ\h]g`Vci`fgY`]g`tc`hfUW`h\Y`fY`UhYX`]XYUg`cZmci`h`Z`UXi`h`ccX`UbX`XYj`Y`cda`Ybh  
cj`Yf`h]g`dYf]cXZ`Ug`h`YmUfY`fYdfYgYbhYX`]b`\_Ymk`cf\_g`cZ`])hYfUhi`fY`UbX`W]bYa`Uz`UbX`YgdYVW]U`mk`]h]b`h\Y  
[ `YbfY`cZ\hY`6]Xi`b[ `g`fca`Ub`"C`i`f]bei`]fmk`]`VY`[`i`]XYX`Vm`h\Y`Uggi`a`d]cb`h`Uh`bUffU]j`Yg`cZ  
XYj`Y`cda`YbhZ`]b`dfcgYZ`dcY]fmUbX`Z]a`Z`UfY`bchcb`midUgg]j`Y`fYZYW]cbg`cZfYU`])mZ`Vi`hfU]h`Yf`h\Uh\h\YgY  
])hYfUfmUbX`Z]a`fYdfYgYbhU]cbg`UfY`YggYbh]U`tc`c`g`Zc`f`a`U`\_]b[ `gYbgY`cZci`f`h]a`Y!Vci`bX`])`Yg`  
5VW`cfX]b[ `mZ`mci`f`Yb[ `U[ `Ya`Ybhk`]h`h\YgY`ei`Ygh]cbg`k`])`hU`Y`h\Y`Zc`fa`cZ`WUgg`X]gW`gg]cb`UbX`U  
hfUX]h]cbU`Ygg]mZ`Vi`hU`gc`Ub`cf][`]bU`bUffU]j`Y`]b`k`U`]W`mci`]a`d`Ya`Ybhmc`i`f`i`bXYfg]UbX]b[ `cZ\hY`[ `YbfY`  
H\Y`Vci`fgY`]g`XYg][`bYX`Ug`U`U`]g`h`fmrcZ]XYUg`UbX`fYdfYgYbhU]cbgZ`Vi`hU`gc`Ug`U`tc`\_]hZ`k`U`]W`k`])`Y`d`i`g  
h]b`\_UVci`hk`U]h]h]a`YUbg`tc`Vca`Y`cZU[ `Y`]b`ci`f`ck`b`gcW]Ym]UbX`U`ck`VYghlc`UddfcUW`h\Y`dfcV`Ya`cZ  
YXi`W]h]cb`"`

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

%`H\]b`\_`UbX`k`f]hY`W]h]W]m]U]Vci`h\hY`fc`Y`cZ`W`hi`fU`fYdfYgYbhU]cbg`]b`g`Ud]b[ `Uggi`a`d]cbg`U]Vci`h  
mci`h`Z`UXi`h`ccXZ`YXi`W]h]cb`UbX`c`h\Yf`fY`UhYX`VcbW`dtrg`  
&"

]b`hY`Wci fgY`UbX`ZJWñ U`bUffUñj Yg`cZXYj Y`cda Ybñk` \YhYf`Ui hcV]c[ fUd\]Wñ`cf`XfUk b`Zca`c`hYf`  
gci fWg`"H\Y`ei ]n`gYfj Yg`hY`di fdcgY`cZW`ñj Uñb[ `ZJa` ]`]Uf]mñk ]h`hY`hYI hg`UbX`#ef`Z`a fñE`gh` X]YXž`UbX`  
U`gc`U`ck`g`gh` XYbñg`UbchYfž`bcb!X]gW fg]j Y`a YUbg`cZXYa` cbgfUñb[ `hY]f`[ fUgd`cZhY`fYUX]b[ g`UbX`  
Z`a`g`"

....

5ggYgga Ybh




F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

7ca d`YH`hYI hg`fUj U]`UV`Y`]b`I BGK` `Vcc\_g\cdŁ

; Ycf[ Y`9`]chŁ? [V^W\_ SdJZ

>Ua U]WU]?]bWU]Xž3` ` [W<aZ`

Gmj ]U`D`UhŁžFZW4W^<Sd

NUX]Y`Ga ]hŁžEi [ `Y F \_ W

G\cfhYf`hYI hg`]b`fYUXYf`fUbX`cb`A ccX`YŁ

A UfW`Dfci ghŁFZWI` Sk Tk Ei S` `ie fYI hfUWŁ

>YUb!>UWŁi Yg`F ci ggYUi ž5a` XWŁe[a` el Vcc\_`%

J ]f[ ]b]U`K cc`Z`5`g\_YhW`cZhY`dUgh`fYI hfUWŁ

K ]`]Ua`K cfXgk cfhŁžFZWBdWgVWfYI hfUWŁ

: ]`a g`fghfYUa UV`Y`j ]U`h`Y`I BGK` ``]VfUfmdcfhU`Ł

3bScS\fa 0ZWG` hS` cg[eZWQ`X]f`GUmU]hF Umf]Zmci ` \Uj Y`U`WU`UbWŁžd`YUgY`fmiŁc`U`gc`k UhW`h`Y`Z]fgh  
UbX`h`]fX`Z]a`g`]b`h`Y`5di`hf]c[ mžBSfZWdBS` UZS[ UbX`3bgdE S` eSdŽVi h3bScS\fa Wb`VY`UddfYWU]hX  
dYfZYWmik Y``Ug`U`ghU`bXU`cbY`Z]a`Ł

? aa` ^YZfX]F``6Uffm>Yb\_]bg

GYWŁbXUfmUbX`\]ghcf]WU`fYUX]b[ g

GY`YW`X`UXX]h]cbU`fYUX]b[ g`a`UXY`Uj U]`UV`Y`cb`A ccX`Y`UbX`#cf`@[ UbrŁ`

F YWŁa a YbXYX`F Ygci fWg

7cbgi`hA ccX`Y`Zcf`bchYg`cb`Z`fh`Yf`fYUX]b[ ``

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



## 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" `hWUb`hU`Y`a Ubm  
Zcfa gž`Zca `XY`]VYfUHY`WXYU]b[ `hc`UWV]XYbhU`mW`dm]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[ `WUHY`[ cf]Yg.

7cdm]b[ .`i g]b[ `hY`gUa Y`cf`j Yfmg]a ]Uf`k cfXg`hc`hY`cf][ ]bU`hYI 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[ YgžUfhUbX`XYg][ b`dfc`YWgžUg`k Y`Ug  
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g]XYUg`cf`k cfXg`k ]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[ .`7`Ub[ ]b[ `U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmifYU]b]b[ `hY`cf][ ]bU`  
ghfi W`i fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`ž`UbX`]bZcfa U]cb`k ]h`ci hUW\_bck`YX[ Ya Ybh`H\]g`U`gc  
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g]XYUg`cf`k cfXg`k ]h`ci hWYX]hU`bX`hc  
d]YW]b[ `hc[ YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk `k \c`Yž`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`dYfgcb`g`]bX]j ]Xi U`k cf\_]7c`i g]cb`U`gc  
]bWi XYg`dfcj ]X]b[ `mci f`k cf\_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHYž`cf`Zc`f`hY`di fdcgY`cZ`hY`a

- 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][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'UbX'5W'WdhUV'Y'I gY'cZ I BGK '⇒H'F Ygci f'Wg'Dc`]Wm
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yfmcby`]b'hY'I BGK 'Wca a i b]m
- `cWJH'gYfj ]Wg'UbX' ]bZcfa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k ]`VY'ZJa ]]Uf'hc'mci ž'c'hY'fg'k ]`VY'byk " "; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU`'hY' fY'UH'X'UgdY'W'g'cZ9@G9'k ]`'Y'd'mci 'a U\_Y'hY'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hd. #gj V'Y'W'f i \]X'Y'g" \]VfUfm'i bgk "YXi "Ui #` \]gY#\]Vci h' \]gY](#)

## 5 WUXYa ]W]bZcfa Uh]cb`

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

- fYei Yghg`Zcf`YI hYbg]cb/
- `UhY`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I B GK `< YU`h`UbX`GUZY`midc`]WYg/
- YI Ua ]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a ]gUXj Ybh fY/
- ghi XYbhYei ]hmUbX`X]gUV`]`]m/
- UbX`chYf`YggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY