



ARTS4249

H\Y'<i a Ub]hYgž'h\Yb'UbX'bck

HYfa`Cby`#`&\$%

7 ci fgY`Cj Yfj]Yk

`GHJZ`7 cbhJW`8YHJ`g`

`7 cbj Ybcfg`

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmcZh\Y'7ci fgY

5ggYgga Ybh

5ggYgga YbhHUg_g`

| | | | |
|----------------------|----------|--------------------------|--|
| 5ggYgga YbhHUg_ | K Y][\h | 8i Y'8UHŸ | Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX |
| @YUfb]b['DcfhZc`]c` |) \$i | , '5df]'`&\$%- ž%*. \$\$ | %ž&ž{ |
| 9ggUmi |) \$i | %>i `m&\$%- ž%*. \$\$ | %ž&ž ž{ |

5ggYgga Ybh8YHU]`g

5ggYgga Ybh% '@YUfb]b['DcfhZc`]c`

GHUfhXUHŸ. 'Bch5dd`]WUV`Y

@Yb[h. (\$\$\$`k cfXg

8YHU]`g. 'Gh XYbftg'XcW a YbhŸY]f'fYgdcbgYg'hc`UbX'UbU'mg]g'cZfYUX]b['a UHŸf]U'g'X]gW ggYX`]b`hY`Z]fgh*
k YY_g'cZŸY`Wci fgY"Gh XYbhia i ghgi Va]h, \$\$`k cfX'fYgdcbgYg'hc`fYUX]b[g'VYZcfY`WUgg`]b`('cZ*`k YY_g"
H\cgY'fYgdcbgYg'k]`VY`fYj]gYX`UbX`fYgi Va]HŸX`UhŸY`YbX'cZk YY_ , `k]h`Ub`UXX]h]cbU` , \$\$\$`k cfX

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

@]ghcZk YY_mfYUX]b[g'dfcj]XYX`Uh\Y`g]UfhcZHYfa` %cb`hY`A ccX`Y`Wci fgY`dU[Y"

F YWca a YbXYX`F Ygci fWg

5XX]h]cbU`fYWca a YbXYX`fYUX]b[g'cb`hY`hcd]Wg`Wci YfYX`]b`K`YY_g`&`h`*`UfY`Uj`U]`UV`Y`cb`A`ccX`Y`Wci fgY`dU[Y"

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

:`cfa`U`ZYXVUW`Zca`ghi`XYbfg`k`j`VY`Wc`YWYX`j`]U`a`m9I`dYf]YbWf`UbX`k`j`VY`i`gYX`hc`]a`dfcj`Y`Z`hi`fY`]h`fU]h]cbg`cZ]h]g`Wci`fgY`" `Zcfa`U`ZYXVUW`]g`U`gc`j`Yfmk`Y`Wca`Y"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k`Yb`U`HYa`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]h]b`z`d`YUgY`
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`'`'`'`%cf`Ya`U]`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`"Gi`ddcfh`
`ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`fI`*)`XUmg`U`mY`UfL`≠mci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhXi`Y`hc`U`ZU`hik`]h`Hi`fb]h]b`mci`a`Um`Udd`mi`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfY`hU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Yb`hgL`hc`
]bWi`XY`Ug`Yj`]XYbW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb"≠mci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`k`]"`

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'W'g'Dc`]W'h
- VY'Uk UfY'cZ'U'g'U'bx'Uf'X'g'c'Z'V'Y'\Uj]ci f'Y'I d'Y'W'X'c'Z'Y'j Y'f'm'c'b'Y'']b'U'Y'I BGK 'W'c'a'a'i'b]m
- 'c'W'U'h'g'Y'f'j]W'g'U'bx'j'b'Z'c'f'a U'h'c'b'U'V'c'i h'l BGK 'U'bx'I BGK '@]V'f'U'f'm

Gca Y'cZ'U'g'Y'U'f'Y'U'g'k]''V'Y'Z'J'a]]U'f'U'c'm'c'i ž'c'h'Y'f'g'k]''V'Y'b'Y'k "; U]b]b['U'g'c'X'i bXYfghUbx]b['cZU''U'Y'f'Y'U'h'X'U'gd'Y'W'g'c'Z'9@-G'9'k]''\Y'd'm'c'i 'a U_Y'U'Y'a c'g'h'c'Z'm'c'i f'g'h X]Y'g'U'hl BGK ""

[\h'c'.#\]j' V'Y'W'f'i \]X'Y'g'' \]V'f'U'f'm'i b'g'k "Y'X'i "U'i #' \]g'Y'#\]V'c'i h' \]g'Y](#)

5 WUXYa]WbZcfa Uh]cb`

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

- fYei Ygh]Zc`fYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/

