



ARTS3450

5Xj UbWX`7 \]bYgY`5

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

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7ci fgY'8YHJ]`g

7fYX]hDc]bhg`*`

Gi a a UfmcZ`h\Y'7ci fgY

H\]g`Wci fgY`dfcj]XYg`UXj UbVWX`h]]hcb`]b`7`\]bYgY`Ub[i U[Y`fA UbXUf]bE`gh Xnż`i g]b[`U`hYI hVcc_`XYg][bYX
gdYVWZ]WU`mZc`f`UXj UbVWX`7`\]bYgY`YUfbYfg`Uhi`b]j Yfg]h]Yg`ci hg]XY`cZ7`\]bU"ñiWta`V]bYg`Ub[i U[Y`gh`X]Yg
k]h`Ub`YI d`c`fU]hcb`cZ7`\]bYgY`W`h`fY`UbX`gcW]Ymż`]bWi`X]b[`hfUX]hcbU`W`h`fY`H\Y`a`YX]i`a`cZ

5ggYgga Ybh

5ggYgga YbhHUg_g

| 5ggYgga YbhHUg_ | K Y][\h | 8i Y'8UH | Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX |
|----------------------|----------|--|-------------------------------------|
| 7i 'hi fU'7ca dcbYbh | &\$i | E i]n:%]b'k YY_) 'YWh fYž E i]n'&]b'k YY_ '%\$'YWh fY" | (|
| HYgtg' |) \$i | A]X!hYfa 'hYgh]b'k YY_) h hcf]U/:]bU'YI Ua ']b'Zcfa U' YI Ua 'dYf]cX" | %ž'&ž' |
| ; fci d'Dfc'YWh | ' \$i | ; fci d'dfYgYbHUh]cb]g'Xi Y']b k YY_ - 'cf'k YY_ '%\$'h hcf]U/ F YgYUfW' dUdYf']g'Xi Y']b k YY_ '%\$" | %ž' (ž) |

5ggYgga Ybh8YHU]`g

5ggYgga Ybh% '7i 'hi fU'7ca dcbYbh

8YHU]`g.

Gh XYbh]UfY' [] Yb'k c]b!WUgg'ei]nnYg'fl \$'a]bi hYg'YUWX' : YYXVUW_]]U'fi Vf]WUbX']b!WUgg'X]gW gg]cb"

Hi fb]h]b'gYh]b[. H\]g]g'bchU'Hi fb]h]b'Ugg][ba Ybh

5ggYgga Ybh& 'HYgtg'

8YHU]`g.

Gh XYbh]Wta d'Yh'U'a]X!hYfa 'hYghf&) i ŁUbX'U'Z]bU'YI Ua 'f&) i ŁžVYk YYb '%')'UbX'&\ci fg'YUWX"

: YYXVUW_]]U']bX]]Xi U'Wta a Ybh]ž'fi Vf]WUbX']b!WUgg'X]gW gg]cb"

Hi fb]h]b'gYh]b[. H\]g]g'bchU'Hi fb]h]b'Ugg][ba Ybh

5ggYgga Ybh' . ; fci d'Dfc'YWh

8YHU]`g.

Gh XYbh]Wta d'Yh'U' [fci d'fYgYUfW' d'fc'YWhcb'hY]f'W'cgYb'hcd]W'H\Y'dfYgYbHU]cb'f% i Ł]g'UggYggYX cb]bX]]Xi U'VUg]gžk \]Y'hY'fYgYUfW' d'UdYf'f% i Ł'fYW]]Yg'cbY'a Uf_'@Yb[h. ' 'a]bi hYg'dYf'dYfgcb'Zcf hY'dfYgYbHU]cb'UbX'UVci h) \$\$'W'UfUW'fg'dYf'dYfgcb'Zcf'hY'fYgYUfW' d'UdYf'

: YYXVUW_]]U'fi Vf]WUbX']b!WUgg'X]gW gg]cb"

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F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

- 6cc_-'7\]bYgY`Zcf`5Xj UbWX`@YUfbYfg.`@Ub[i U[YžGcWYmUbX`7i`hi`fY`f&\$%+Ł
GmXbYm`l BGK`DfYggž`&\$%+"`
- 7`Ugg]WJ`7\]bYgY`#[i XU]`< Ubmi` fU_U`@]hYfUfm7\]bYgY`#k`YbmUbk`Yb` Ł`hY`hg`k`j`
VY`a UXY`Uj`Uj`UV`Y`cb`A`ccX`Y`"

F YWca a YbXYX`F Ygci fWg

B #5

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

H\]g`Wci`fgY`k`j`VY`Zcfa`U`mYj`U`i`UH`X`h`fci`[`\`A`mØl`dYf]YbW`"

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]bzd`YUgY`
HY`Yd\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`Uj`h`Ya`icb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`""Gi`ddcfh`
\ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`icb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`icb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`≠mci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`Zji`hk`]h`Hi`fb]h]b`mci`a`UmUdd`mZc`f`Ub`YI`HYbg]cbz`Vi`hmc`i`
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtg`k`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`≠mci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`]`
Ui`hca`U]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYfz`Vi`h]Zmci`HY`Yd\cbY`mci`k`]`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`
Hi`fb]h]b`U`gc`dfcj`]XYgi`dXUH`g`cb`h`Y]f`gmghYa`g`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiHUg_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]WU`mj`]U`Y]h`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`h]b]bg]h]bVW`g`k`\YfY`h`g`]g`bchidcgg]V`Yz`]hk`]`VY`ghUHYX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`
U`HYfbU]h]`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf]bZcfa`U]cb`cb`\ck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb]bY`j`]U`A`ccX`Y`.\`hhdg`#gh`XYbhi`bgk`"YXi`"Ui`Ack`!
gi`Va`]hUgg][`ba`Ybhta`ccX`Y`"

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

D`U[]Uf]ga `]g`i`g]b[`h`Y`k`c`f`X`g`c`f`]X`Y`U`g`c`Z`c`h`Y`f`g`i`U`b`X`d`f`Y`g`Y`b`h]b[`h`Y`a` `U`g`m`c`i`f`c`k`b`" `#`W`U`b`h`U`_`Y`a` `U`b`m`
Z`c`f`a`g`Z`Z`c`a` `X`Y`]V`Y`f`U`h`Y` `W`X`Y`U`h]b[`h`c` `U`W`W`Y`X`Y`b`h`U` `m`i`W`c`d`m]b[`Z`c`a` `U`g`c`i`f`W` `k`]h`c`i`h`U`W`_`b`c`k` `Y`X[`Y`a` `Y`b`h`

I`B`G`K` `[`f`c`i`d`g`d`U[]Uf]ga `]b`h`c` `h`Y` `Z`c` `c`k`]b[`W`U`h`Y`[`c`f`]Y`g.

- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V']hYg'Ug'U'gh XYbhUhl BGK
-

5 WUXYa]W=Zcfa Uh]cb

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

- fYei Yg]Zcf`YI H`bg]cb/
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