



ARTS3483

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HfUj Y`UffUb[Ya Ybhg`a UXy`df]cf#UZHYf`h\Y`di V`jWUj]cb`cZ`h.jg`Wci fgY`cj Yfj]Yk`UfY`bchU`j U`jX fYUgcb`hc`fYei YghU`hYfbUH`UggYgga Ybh`

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C fU`dfYgYbhUj]cb`	&) i	K YY`_+žHi YgXUm% #`\$+`UbX : f]XUm`* #`\$+#`\$&%`	&ž`
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:]bU`YI Ua]bUj]cb`	`) i	8i f]b[`h\Y` : cfa U` 9I Ua]bUj]cb`dYf]cX`fH65t	&ž`

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@Yb[h\.`Zfca`&\$`hc`" ` \$`a]bi hYg`dYf`k`YY`_

8YHJ]`g.

C b[c]b[`h\fc i [\ci h\hY`hYfa "`Gh XYbhg`k]`Wcbgh]h`hY`U`VcXmicZk`cf`_X]fYWhm`]b_YX`k]h`WUgg`UWfj]hYg fZ`fi`a`ž`fYUX]b[`Wta`dfY\Ybg]cb`hUg_gž`YhWt`UbX`YUfb`hc`fYZYWhcb`h\Y]f`dfc[fYgg`gc`Ug`hc`VYhYf XYhYfa]bY`UfYUg`h\UhYei]fY`]a`dfcj`Ya`Ybhcf`YI`hYbg]cb`"

: YYXVUW`k]`VY`[]j`Yb`]b`fi`Vf]Wg`ž`dYfgcbU`Wta`a`Ybhg`"

Hi`fb]h]b`gYHj]b[.`h\]g`]g`bchU`Hi`fb]h]b`Ugg][`ba`Ybh

5ggYgga Ybh&.`C fU`dfYgYbhUj]cb`

GHUfhXUH`Y`Bch5dd]WUV`Y

@Yb[h\.`%\$`hc`&\$`a]bi hYg`

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%\$`hc`&\$`a]bi hYg`";`fci`d`k`cf`_`Gh`XYbhg`k]`"[]j`Y`U`g`cfhZ`fa`U`dfYgYbhUj]cb`cb`U`[]j`Yb`hcd]W`h\Ymk]`VY`Z]a`YX`Zcf`UggYgga`Ybhdi`fdcgYg`) i`c`Z`hc`fU`a`Uf`_k]`fYWf]j`Y`dYfY`Yj`U`i`Uh]cb`Gh`XYbhg`k]`VY`Uk`Uf`YX`Ub`]bX]j`]Xi`U`a`Uf`_`"

: YYXVUW_k]`VY'[] Yb]b'fi Vf]Wg Ž'dYfgcbU`Wca a Ybhg" Gh XYbhg WUb`Wcbgi`hñY`YWh fYf`Zcf`Z fñYf
ZYXVUW_

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	Hcd]W	H\Y`j Uf]ci g`Zcfa g`cZhfUj Y` F Ygf]W]cb`UbX`Wc`bX]h]cbU`
K YY_`%\$. &`5i [i gh! `* 5i [i gh	5ggYgga Ybh	Gi Va]hDcfhZc`c ; `]b`A ccX`Y`VYZcfY`A cbXUm%&`da "
	Hcd]W	; fUa a Uf`fYj]g]cbg" DfYdUfU]cb`Zcf`hY`Z]bU`YI Ua `f>S bWf[fWX`^WWW ? a`e]Wgd>[ZŁ 7 cbW] g]cb
	5ggYgga Ybh	Gi Va]hDcfhZc`c - `]b`A ccX`Y`VYZcfY`A cbXUm%&`da "

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]b`z`d`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`ZU`ihk`]h`Hi`fb]h]b`mci`ia`UmUdd`mZc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtg`L`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]W]m`fYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd\cbY`mci`k`]`bYYX`hc`gdYW]Z]W]m`Ug`_`Zc`f`cbY`"
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`h`Y]f`gmgh`Ya`ig`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiUg_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]W]m`j`]U`Y]h`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`h`]bg`hU`bVW`g`k` \YfY`h`lg`]g`bchidcgg]V`Yz`]hk`]`VY`gh`UH`X`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`Uh]cb`cb`\ck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb`]bY`j`]U`A`ccX`Y`.\`hhdg`#gh`XYbhi`bgk`"YXi`"Ui`#ck`!
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
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5 WUXYa]W]bZcfa Uh]cb

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

- fYei Ygh]Zcf`YI H`bg]cb/
- `Uh`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I B GK `<YU`h`UbX`GUZY`midc`]W]Yg/
- YI Ua]bUh]cb`dfcW`Xi fYg/
- gdYW]U`W`bg]XYfUh]cb`]b`h`Y`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
- gh XYbhYei]m]UbX`X]gUV`]m/
- UbX`c`h`Yf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

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