



# ARTS3638

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; ]j Yb'hY'dcddi`Uf]hmcZVch`>UdUbYgY`Wēa ]Wg'cf'a Ub[ U'UbX'Ub]a Y'k ]h`YUfbYfg'cZ>UdUbYgYžhY  
Wēi fgY`ZcW`gYg'cb'U'g]b[ `Y'hY`fUj U]UV'Y`Vch`'b'a Ub[ U'UbX'Ub]a Yē'hUhfYZYWg'j Uf]ci`g`UgdYWg'cZ  
WēbHya dcfUfm>UdUbYgY`]ZY'gi V\`Ug`ZJa ]m`]ZYžYXi WWhcbžUbX'k cf\_`"H\Y`Wēi fgY'dfcj ]XYg'mci`Ub  
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a Uhf]U'gž&ē]a dfcj`Y`mci`f`]ghYb]b[ `g\_]`g`h'fci [ \`k`UhW]b[ `Ub]a Yž'UbX`" ē'UbU'mgY`hY`gcW]c!W`h`fU`  
UgdYWg'cZ`hY`Ub]a Y#` Ub[ U'h]hY`Ug'dUfhcZU`W]h]W`"jY`fUWhUddfcUW`"5W]j ]hYg`]bW`XY`fYUX]b[ `hY`  
a Ub[ U'ci`h'ci`Xž'dYfZcfa`UbW`cZcbY'gYW]cb`Zca`U'gYha`Ub[ U#]b]a Y`bUffU]j`Yž'UbX`gdYW]Z]W`Ub[ i U[ Y  
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hYa`]b`XYHJ`]b`>UdUbYgY`  
&`7ca`a`i`b]WWh`UbX`XYVUHy`Wēa`d`Yi`UgdYWg'cZgcW]c!W`h`fU`WēbH]i`hcZa`Ub[ U'UbX'Ub]a Y`]b  
>UdUbYgY`  
'`8Yj`Y`cd`j`Uf]ci`g'cfU`UbX'k`f]hYb`Wēa`a`i`b]WWh]cb`g]mYg`]b`>UdUbYgY`  
(`I`bXYfU`\_Y`f][`cfci`g`UbX`Yb[ U[ YX`gW]c`Ufg\`d`h`X]fYWhdYfgcbU`YUfb]b[ `]`cU`g`

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]b[ i ]gh]WUbX`dfU[ a Uh]Wg\_]`g]b`>UdUbYgY `Wta a i b]WU]cb": YYXVUW\_]b`h.Y`Zcfa `cZa Uf\_g`k ]h`Yffc`f  
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dfcbi bW]U]cb`UbX`h.Y]f`i gU[ Y`]b`Wcb`hYi h`h.Yb`dYfZcfa g`cbY`cZ`h.Y`WUfUW`fg`VmfYUX]b[ `ci`h`h.Y

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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`]"`

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Zcfa gZ`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.

7 cdm]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[ YgZ`UfhUbX`XYg][ b`dfc`YWgZ`Ug`k Y`Ug  
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hWYX]h`

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ghfi W`i fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`Z`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  
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7 c`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\_"`7 c`i g]cb`U`gc  
]bWi XYg`dfcj ]X]b[ `mci f`k cf\_`hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHY`Zc`f`Zc`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][ \hžI BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dYW'X'cZYj Yfmcby`]b'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj ]W'g'UbX'j]bZcfa Uh]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k ]`VY'ZJa ]]Uf'hc'mci ž'ch'Yfg'k ]`VY'byk "; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k ]`Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

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