



ARTS2906

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GWXcc`cZ< i a Ub]hYg`UbX`@Ub[i U[Yg`.#`! BGK `5ftg`UbX`GcWU`GWYbWg

7ci fgY`Cj Yfj JYk

GHJZZ7cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]UV]`]m	@cWJhcb	D\cbY
NcfU`G]a]W	n"gl]a]W i bgk "YXi "Ui	Hi YgXUm%a%&ž K YXbYgXUm&!` `cf VmUddc]bta Ybt# Ya U]`	A 6'' (+	- ' ,) %+' *

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GWx cc``cZ<i a Ub]hYg`UbX`@Ub[i U[Yg

@cWJhcb. GWx cc``C Z]WžA cfj Yb`6fck b`6i]X]b[ž`@Yj Y``&ž&),

C dYb]b[`<ci fg. A cbXUm!` : f]XUmž`- Ua `!`) da

D\cbY. ž`*%&`-' ,) `* , %

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9a U]: [\U`4 i bgk "YXi "Ui](#)

GhUfhXUHY. '5`cWUHYX'jb`Zfghh hcf]U`

@Yb[h.) 'a]bi HYg

8YHU]`g.

Gh XYbthg`dfYgYbhU`Zj Y!a]bi HY`dfYgYbhU]cb`cb`U`gci fW`cZgYI i U`_bck`YX[YZ`VfcUX`mfY`UH`X`hc`hY`
k YY`_g`hcd]WZ`hc`hY`WUgg`Xi f]b[`hY`hk`c!\ci`f`h`hcf]U`"K`YY`_g`UfY`U`cWUHYX`]b`hY`Zfghh`hcf]U`"H\Y]f`
dfYgYbhU]cb`g\ci`X`Yb[U[Y`k`]h`UggYgga`Ybhei`Ygh]cbg`f]bghfi`W]cbg`dfcj`]YX`]b`hY`Wci`fgY`[i`]XYL"

Gh XYbthg`k`]`U`gc`gYbX`hY]f`h`hcf]j`]U`Ya`U]`E`hY`dck`Yf]dc]b]h#;`cc[`Y`G`]XYg`cZ`hY]f`dfYgYbhU]cb`bc`UHf`
h`Ub`-`Ua`cZ`hY`a`cfb]b[`cZ`hY]f`dfYgYbhU]cb`Zc`f`hY`h`hcf]h`c`UX`cb`A`ccX`Y`"H\Y`dfYgYbhU]cb`]g`k`cfh`
%)`UbX`ghi`XYbthg`UfY`UggYgga`YX`cb`Wcb`hY`b]Z`XY`]j`Yfmz`UbU`mg]g`UbX`hY`dfYgYbhU]cb`g`]XYg"

Gh XYbthg`k`]`fYW]j`Y`k`f]hYb`ZYXVUW`_j`]U`Ya`U]`k`]h`]b`U`k`YY`_cZ`hY]f`dfYgYbhU]cb`

Gi Va]gg]cb`bchYg.D`YUg`Y`gYbX`mci`f`DD#;`cc[`Y`g`]XYg`h`mci`f`h`hcf]UbX`NcfU`]b`UXj`UbW`gc`hYmWUb`
c`UX`cb`h`c`A`ccX`Y"

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

5ggYgga`Ybhi&.`Hi`hcf]U`/`@YW`fY`F`YgdcbgYg

GhUfhXUHY. `Bch5dd`]WUV`Y

@Yb[h. `&\$!&) `\$k`cfXg`I`*`

8YHU]`g.

5W`cgg`hY`hYfa`Z`gh`XYbthg`Ubgk`Yf`g]`ei`Ygh]cbg`]b`k`f]h]b[`VUgYX`cb`h`hcf]U`fYUX]b[`g`UbX`#cf`YW`fY`
Wcb`hY`bhcZ`Uddfc]`]a`UH`m`&\$`\$`k`cfXg`YUWX"

Gh XYbthg`fYW]j`Y`k`f]hYb`ZYXVUW`_j`]U`U`fi`Vf]WUbX`]bX]j`]Xi`U`Wca`a`Ybthg`f`Hi`fb`h`h`#A`ccX`Y`L`UbX`U`gc`
[`YbYfU`ZYXVUW`_]b`h`hcf]U`g`k`]h`]b`hYb`XUmg`cZ`gi`Va`]gg]cb"

5XX]h]cbU`XYHU]`g.

8YHJ]g.

Gh XYbthg`k f]h`Ub`YggUmfUddfcl`Ja UH`m&\$\$\$`k cfXgE`VUgYX`cb`JbXYdYbXYbhfYgYUfW`"H\Y`YggUm]g`hY`ZbU`UggYgga`YbhZcf`UHf`bXUbW`di`fdcgYg"

: YYXVUW_j`JU`JbX]j`JXi`U`Wta`a`Ybthg`UbX`fi`Vf]WfHi`fb`#A`ccX`YE`bc`UHf`h`Ub`h`b`XUmg`UZf`gi`Va`Jgg]cb"

5XX]h]cbU`XYHJ]g.

9ggUmiei`Ygh]cbg`k`J`VY`dcghYX`cb`A`ccX`Y`YUf`m]b`h`Y`Wci`fgY`"C`h`Yf`fYgci`fWg`k`J`VY`dfcj`JYX`!`Ub`YggUm[i`]XY`UbX`fYWta`a`YbXYX`#gi`[`YghYX`fYgci`fWg`]b`@Y`[`Ubtc`" `h]g`fYWta`a`YbXYX`h`Uhinc`i`gY`Uh`YUgh`*!`gYWcbXUfmgci`fWg`Z`d`i`g`df]a`Ufma`UHf]U`Z`Zcf`U`fYgYUfW`YggUm`9ggUmg`g`ci`X`VY`Z`m`UbX`dfcdYf`mfY`Z`fY`b`W`X`UbX`dfYgYb`h`X`]b`fYe`i`YghYX`Z`fa`Uh`f`%)`hc`Xci`V`Y`gdUW]b`[`Z`%&`dc]bh`Z`b`h`"

Hi`fb]h]b`gYh]b`[`. `H\]g`Ugg][`ba`Ybh]g`gi`Va`]hYX`h`fci`[`\`Hi`fb]h]b`UbX`gh`XYbthg`WUb`gY`Y`Hi`fb]h]b`g]a`]Uf]m`fYdcfthg"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Y`_YmfYUX]b[g`YUWX`k YY`_k]`VY`]ghYX`UbX`Uj U]UV`Y`cb`A ccX`Y#@Y[Ubhc"

F YWca a YbXYX`F Ygci fWg

H\YfY`]g`bc`gYhYI hZcf`h]g`Wci fgYz`U`hci [\`J Yfcb]ei Y`A ch]Yffg`EW] gS`fk, 3 HWck E Zadf
;` fcaVgUf[a` f&\$\$, E`dfcj]XYg`U`[ccXz`Z]ghicj Yfj]Yk `!`gYY`@Y[Ubhc`Zcf`chYf`fYWca a YbXYX
fYUX]b[g`@Y[Ubhc`k]`U`gc`]bWl XY`fYWca a YbXYX`fYUX]b[g`Zcf`YggUmq"

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

K Y`hU`_Y`ghi XYbhZYXVUW`_j YfmgYf]ci g`mUbX`k]`gYY`_]hci hZcfa U`mfA m9l dYf]YbWwE`UbX`]bZcfa U`mf]b
WUgg`X]gW`gg]cbE`K YffY`j Yfmdfci X`hc`Uj Y`fYW]j YX`cj Yfk`Y`a]b[`midcg]h] Y`ZYXVUW`_]b`hY`dUgh!`h]g
Wci fgY`Ug`VYYb`Ua cb[`hY`a cgh\][\`mfUb`_YX`]b`hY`GWcc`#: UW`hmg]bW`]hg`]bW`dh]cb`"Gh XYbhg`cj Y
hY`WcbhYbhz`WUgg`X]gW`gg]cbz`hY`gYl i U`_bck`YX[Y`dfYgYb]h]cb`UbX`hY`hmdY`UbX`Yj Y`cZUggYgga Ybh!
k Y`cdY`mci`Xc`hc"

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`Ug`Y`
HY`Yd`l`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`'`,`)`"``'``%`cf`Ya`U]`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`""Gi`ddc`fh`
l`ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`i`cb`k`YY`XUmg`U`bX`-`.\$\$Ua`-`).\$\$da`i`cb`k`YY`YbXg`f`l`*)`XUmg`U`m`Y`Uf`l`"Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`a`Um`Udd`m`Z`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Y`U`b`h`X`c`W`a`Y`b`h`g`k`h`c`
]b`Wi`XY`U`g`Y`j`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`U]`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`
Ui`h`ca`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`l`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z]W`U`m`Ug`_`Z`f`c`b`Y`"
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`gi`d`X`U`h`Y`g`c`b`h`Y`]f`g`m`g`h`Y`a`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Yb`hi`U`g`_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`
Ugg][`ba`Yb`h`i`h`]b`g`h`U`b`W`g`k` \Y`f`Y`h`l`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`c`b`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`c`f`]b`Z`c`fa`U`h]c`b`c`b`l`c`k`hc`gi`Va`]h`Ugg][`ba`Yb`h`g`c`b`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!
gi`Va`]h`Ugg][`ba`Yb`h`a`cc`X`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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wc'dmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmcby`]b'hY'I BGK 'W'a a i b]m
- `cW'W'h'gYfj]W'g'UbX']bZ'fa 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 ""

[\hhd.##ji V'Y'W'i \]X'Yg" \]VfUfm'i bgk "YXi "Ui #' \]gY#\]Vci h' \]gY](#)

XYa]W#Zcfa Uh]cb

gYbh]U`gh XYbh]bZcfa Uh]cb`fY`UH]b[`tc.

fYei Yghg`Zc`f`YI`H`bg]cb/

`UH`gi`Va`]gg]cbg`[i`]XY`]bYg/

fYj`]Yk`cZa`Uf_g/

I`BGK`<`YU`h`UbX`GUZY`mdc`]WYg/

YI`Ua`]bUH]cb`dfcW`Xi`fYg/

gdYW]U`W#bg]XYFU]cb`]b`h`Y`Yj`YbhcZ`]b`Ygg`ofa`]g`UXj`Ybh`fY/