



ARTS3665

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7ci fgY`Cj Yfj JYk

GHJZZ7cbHJW`8YHJ`g

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B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
GYcb[!7\i`G\]b	g"g\]b4 i bgk "YXi "Ui	K YXbYgXUm %\$!%&Ua	A 6&* &	- ' ,) ! ' + & (

Hi hcf g

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
5`jW`>cc	U"cc4 i bgk "YXi "Ui	H65	A 6&* , fYfYZfUV`m cb`]bYt	H65 fYfYZfUV`m VmYa U]t

GWXcc`7cbHJW`bZcfa Uhjcb

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

@cWjhcb. GWXcc`C ZjWzA cfj Yb`6fck b`6i]X]b[ž@Yj Y`ž&),

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

D\cbY. ž*%&`- ' ,) `%, %

: U! . ž*%&`- ' ,) ; , +\$)

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

7ci fgY'8YHJ]`g

7fYX]hDc]bqg`*`

Gi a a UfmicZ\hY'7ci fgY

H\]g`Wci fgY`dfcj]XYg`U`dUfU!dfcZYgg]cbU`Yj`Y`]bhYfdFYh]b[`dfc[fUa `]b`? cfYUb`Zca `U`fUg_!VUgYX
UddfcUW`" H\Y`Wci fgY`]bhfXi`Wg`]bhYfdFYh]b[`hYcf]Yg`UbX`dfUW]Wg`]b`? cfYUb`" #iZcW`gYg`cb`g_]`g`cZk`c!
X]fYW]cbU`]bhYfdFYh]b[`f9b[`]g\`UbX`? cfYUb`U`UbX`dfcj]XYg`mci`k`]h`Zci`bXU]cbg`Zcf`dUfUdfcZYgg]cbU`
]bhYfdFYh]b[`"]`#iU`gc`Yi`Ua`]bYg`hYWX]b]ei`Yg`Zcf`UbU`mg]b[`UbX`fYbXYf]b[`X]U`c[`i`Yg`cf`dUggU[`Yg`cZX]ZYfYbh
ghmYg`UbX`Wca`d`Yi`]m]`#`UXX]h]cbz`hY`Wci`fgY`UXXfYggYg`Wfcgg!`]b[`i`]gh]WUbX`Wfcgg!`W`h`fU`dfcV`Ya`g`
fY`Yj`Ubhrc`dUfU!dfcZYgg]cbU`]bhYfdFYh]b[`z`]bW`X]b[`Yi`]W`#`fUa`a`U]W]W`dfcV`Ya`g`UbX`Yh`]W`
]a`d`]W]h]cbg`" H\Y`Wci fgY`Wcj`Yfg`U`fUb[`Y`cZUi`hYb]h]Wgdc`Yb`hY`hg`UbX`U`j`Uf]YfmicZhd]Wg`]bW`X]b[`gcW]c!
W`h`fU`z`YXi`W]h]cbU`z`Wca`a`YfW]U`UbX`dc`]h]W`hY`Ya`Yg`"

H\]g`Wci fgY`]g`hUi [\h]b`Vch`? cfYUb`UbX`9b[`]g\`"

7ci fgY`@YUfb]b[`Ci`hWca`Yg

%` #hYfdFYhWca`d`Yi`9b[`]g\`X]U`c[`i`Yg`]bhc`? cfYUb`z`Wcbj`Ym]b[`XYHJ]YX`]bZcfa`U]cb`UWV`fUH`nž
Yi`fUW]b[`UbX`dfcW]gg]b[`]bZcfa`U]cb`Zca`X]U`c[`i`Yg`UbX`i`g]b[`Wca`d`Yi`gYbHYbW`g]fi`W`fYg
&"

H\Y`Wēi fgY`i gYg`U`fUb[Y`cZHYUWk]b[`ghfUHY[]Ygž]bWī X]b[`hUg_`cf]YbHYX`UWij]hYg`]b`dU]fg`UbX`[fci dgž
UbX`WUgg`UbX`ga U``[fci d`X]gW`gg]cbg" `b`h`g`dfcW`ggž`mēi `k]``VY`UV`Y`hc`Wēa`a`i`b]WUHY`Zc`f`Uddfcdf]UHY
j`cWUvi`Ufmž`HYfa`gžYl`dfYgg]cbg`UbX`]XYUg`cfU``m`Mēi`k]``Yl`hUWī`UbX`UbU`mgY`]bZcfa`U]cb`Zca`U`k]XY

5ggYgga Ybh

5ggYgga YbhHUg_g'

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX

Hi fb]hjb'gYHjb[. 'H\]g]g' bchU'Hi fb]hjb'Ugg][ba Ybh

5ggYgga Ybh' . 'DfcZYgg]cbU'8Yj Y`cda YbhDfc YWw

GhUfhXUHY . %) #s- #&\$&\$'fK _' %t

@Yb[h\.'a]b" \$'a]bi hYgfik cf_'l '- 'k _g

8YHU]`g.

DfYdUfY'UbX'gi Va]hmc i f'ck b'dcfhZc`]c'cb'Ub'UfYU'cZ`]b[i]gh]WWt a dYH'bwW'z'VUW_[fci bX' _bck `YX[Y'cf]bH'fdYHjb['dfUW]W'hc'UW]Yj Y'h\Y'Uddfcdf]UH'Yj Y`cZdfcZYgg]cbU']ga " 'K cf_ 'k YY_ 'mZcf'Uh'YUgh' \$ a]bi hYg'YUW'h]a Y'Xi f]b['h\Y'gYa YghYf'fK YY_g'&!%\$%'7 i gtea]gY'mci f'dcfhZc`]c'hc'VYghgi]hmc i f'ck b W]fW a ghUbW'g'! 'bYYXgZ'YI dYf]YbW'gZ'gfYb[h\g'UbX'k YU_bYggYg""8YHU]`g'cZhY'dcfhZc`]c'dfc'YWhk]`VY i d'cUXYX'cbhc'h\Y' l b]j Yfg]mfg'@A G'Uh'h\Y'Wt a a YbW'a YbhcZ'h\Y'Wt i fgY""K f]hYb'ZYXVUW_'k]h Wt a a YbH'g'UbX'a Uf_g

Gi Va]gg]cb' bchYg.Mci 'a i ghgi Va]hmc i f'dfc'YWh'fYdcfhVmi'h\Y'Xi Y'XUH'j]U'A ccX'Y'cf'd'UW]b[']h]b' i bXYf h\Y'Xccf'cZA 6&*' &fH65L'

Hi fb]hjb'gYHjb[. 'H\]g]g' bchU'Hi fb]hjb'Ugg][ba Ybh

&\$'Bcj Ya VYf	5ggYgga Ybh	dc`W / `Y[U" &\$#%"` bHfdFYh[`hYgh&. K Y`ZfYz`YU`h / a YX]W]žcf`dc`W / `Y[U"
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F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

`b!<ci gY`Gh XmDUW_`dfcj]XYX`VmH\Y`@VWf fYf`UbX`i d`cUXYX`cbhc`h\Y`I BGK` `A ccX`Y#@A G"

F YWca a YbXYX`F Ygci fWg

- @YYz>`UbX`6i ncž5`f&\$\$-Ł5a__g` [fk >S` YgSYW;` fWbdWf` YzH\Y` : YXYfU]cb`DfYgg"
- @]bXY[UUFx`I` fP XgŁ`f%- (Ł`FWSUZ[Y FdS` e`Sf[a` S` V ;` fWbdWf` Y \$Z5a ghYfXUa .`>c\b`6Yb`Ua]bg Di V`]g\]b["I BGK` `]VfUfm`
- K YVg]hYg.`
- I BGK` `@]VfUfm`[\hd.#\]VfUfmi bgk "YXi "Ui #](#)
- B 55H=]bZcfa U]cb. [k k k "bUUh"Wca "Ui #](#)

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]b`z`d`YUgY`
HY`Yd\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`Uj`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`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]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]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd\cbY`mci`k`]`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`"
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`h`Y]f`gmgh`Ya`g`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiUg_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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' 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 ""

[\hhd.##ji V'YW'i \]XYg" \]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

