



ARTS3452

DfcZYgg]cbU`7 \]bYgY`5

HYfa`Cby`#`&\$&%

7 ci fgY`Cj Yfj]Yk

GHJZZ`7cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
M]`N\Yb[m]"n\Yb[' 4 i bgk "YXi "Ui	K YXbYgXUm] " !(da `cfVm Uddc]b]a Ybh	F &)' `A cfj Yb 6fck b `6i]X]b[)% +\$

@YW]i fYfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
M]`N\Yb[m]"n\Yb[' 4 i bgk "YXi "Ui	K YXbYgXUm] " !(da `cfVm Uddc]b]a Ybh	F &)' `A cfj Yb 6fck b `6i]X]b[)% +\$

Hi h]cfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
H65`H65	m]"n\Yb[' 4 i bgk "YXi "Ui			

GW]cc``7cbHJW]i`bZcfa U]h]cb

GW]cc``cZ<i a Ub]h]Yg`UbX`@Jb[i U[Yg

@cW]h]cb. `GW]cc``C Z]W]Z`A cfj Yb`6fck b `6i]X]b[`Z`@Yj Y``&Z&),

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

D\cbY. `Ž`*%&`-`' ,) `)%*, %

: Ul. `Ž`*%&`-`' ,) `; , +\$)

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

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`*`

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

H\]g`W`i fgY`dfcj]XYg`dfcZ`gg]cbU`Yj Y`]bgfhi W]cb`b`7 \]bYgY`Ub[i U[Y`UbX`W`hi fY`ghi X]Yg`6migh Xn]b[
U`k]XY`fUb[Y`cZ`h]i hg`h`Uhg\ck W]UgY`h`Y`i gY`UbX`Yj c`i h]cb`cZj YfbUW`Uf`7 \]bYgY`Z`mci `k`]`W`b]bi Y`h`
]a`dfcj Y`mci f`]b]h[fU]h`X`Ub[i U[Y`g_]`gZ`YgdY`W]U`mdfcZ`W]Yb`W]i]b`fYUX]b[`UbX`k`f]h]b[ž`Ug`k`Y`Ug`XYj Y`cd
U`gYbgY`cZ`h`Y`\]ghc`fmcZ`7 \]bYgY`Ub[i U[Y`H`Y`a`YX]i a`cZ]bgfhi W]cb`]g`7 \]bYgY`H`Y`W`i fgY`W]h`fg`Z`f
ghi XYbHg`Yb]h`f]b[`h`Y`7 \]bYgY`dfc[fUa`U]h`h`Y`dfcZ`gg]cbU`Yj Y`UbX`U`gc`gYfj Yg`Ug`Ub`cd]cbU`W`i fgY

5ggYgga Ybh

5ggYgga YbhHUg_g

5ggYgga YbhHUg_g	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
C b`]bY'E i]n`	&\$i	k YY_g'Xi Y. '&/(*',	%ž'&ž'
!WUgg'hYgfg`	(\$i	k YY_) /k YY_`%\$	%ž'&ž' ž(
; fci d'F YgYUfW`Dfc YW`	(\$i	dfYgYbhUhc]bg'k YY_`- / YggUm`k YY_`%\$	%ž'&ž' ž(ž)

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`C b`]bY'E i]n

GHUfhXUH. `Bch5dd`]WVY

8YHJ]`g.

6]k YY_m`Ub[i U[Y'YI YfW]gYg'Zc`ck]b['hY`Wta d'Yh]cb`cZYUW`Yggcb`hc`UggYgga UghYfmcZj cWUvi `Ufmž
[fUa a UfžgYbhYbW`dUfhYfbž`Wta dfY\Ybg]cb`UbX`chYf`Ub[i U[Y'fY[]ghYfg" A Uf_YX`cb`]bY"

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

5ggYgga Ybh&. `!WUgg'hYgfg`

GHUfhXUH. `Bch5dd`]WVY

8YHJ]`g.

Gh XYbh]Wta d'Yh`fk`c`hYgfg`fWU`&`ci`fE`]bWi`X]b[`g\cft`UbX`cb[Yf]Ub]k`Yf`ei`Ygh]cbg`"A]X]hYfa`&\$i`ž
9bX]cZ]hYfa`&\$i`"Gh XYbh]fYVW]j`Y`U`a`Uf`UbX`W]b`Wcbgi`h`hY`YVWi`fYf`Zcf`Z`f`hYf`ZYXVUW`"

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

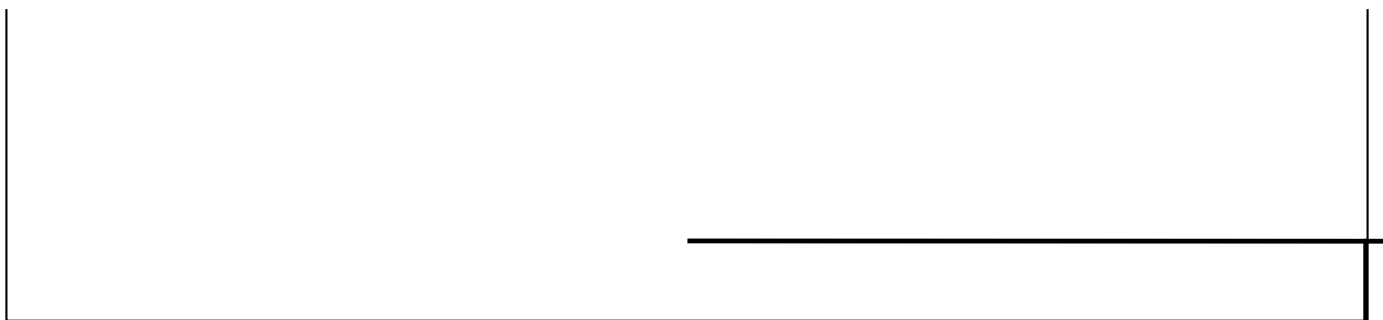
5ggYgga Ybh' . ; fci d'F YgYUfW`Dfc YW`

GHUfhXUH. `Bch5dd`]WVY

8YHJ]`g.

!WUgg`dfYgYbhUhc]b` , `a]bi`hYg`dYf`dYfgcb`&\$i` /fYgYUfW`dUdYf`%\$\$\$!%(\$`\$`WUfUW]fg`dYf`dYfgcb`&\$i` "
Gh XYbh]Zcfa`]bhc`[fci`dg`VUgYX`cb`gi` [[YghYX`hcd]Wg`h`UhUfY`YI`hYbg]cbg`cZ`hY`hYI`hg`"H\YmfYgYUfW`
UbX`X]gW`gg`hY`hcd]Wg`hc`[YhYfZ`Vi`hYUW`dfYgYbh]UbX`k`f]hYg`cb`cbY`dUfhcZ`hY]f`fYgYUfW`"H\YmfYgYUfW`
a`Uf_YX`]bX]j`]Xi`U`m` : YXVUW`j`]U`]bX]j`]Xi`U`Wta`a`Ybhg`"H\]g`]g`hY`Z]bU`UggYgga`YbhZcf`UfhYbXUbW`
di`fdcgYg`"

Hi fb]hb'gYhb[. H\]g'Ugg][ba Ybh]g'gi Va]hX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'WUb'gYY'Hi fb]hb'ga]'Uf]hm
fYdcfng"



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`ia`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`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtgk`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`j`
Ui`hca`U]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYfz`Vi`h]Zmci`HY`Yd\cbY`mci`k`j`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`
Hi`fb]h]b`U`gc`dfcj`]XYgi`dXUH`g`cb`h`Y]f`gmghYa`ig`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`j`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]WbZcfa 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`]WYg/
- YI Ua]bUh]cb`dfcW`Xi fYg/
- gdYW]U`W`bg]XYfUh]cb`]b`hY`Yj YbhcZ]`bYgg`cf`a]gUXj Ybh fY/
- gh XYbhYei]mUbX`X]gUV`]m/
- UbX`c`hYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY