



ARTS2285

H\Y`<c`cWli gh`C f][]bgž=a d`Ya YbhUj]cbž'5 ZHYfa UH

HYfa`Hk c`#`&\$&%

7 ci fgY`Cj Yfj]Yk

GHJZZ'7 cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
>Ub`@Ub]W_	>"@Ub]W_4 i bgk "YXi "Ui	5ddc]bħa YbhVm Ya U]`	A 6'' * +)%(- +

GWcc``7cbHJW`bZcfa Uh]cb

GWcc``cZ<i a Ub]h]Yg`UbX`@Ub[i U[Yg

@cW]h]cb. 'GWcc``C Z]W`ZA cfj Yb`6fck b`6i]X]b[ž`@Yj Y``&ž&),

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

D\cbY. 'ž*%&`-' ,) `)*, %

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

7 ci fgY'8YHJ`g

7 fYX]hDc]bhtg '*`

Gi a a UfmicZħY'7 ci fgY

Mci `k]`VY]bhfXi W'X'ħc ħY`\\]għc fmicZħY`B Un]`XYgħfi W]cb`cZħY`9i fcdYU'>Yk g`Xi f]b[`ħY`GYW'bx
K cfX`K Uf`Mci `k]`UbU`mgY`ħY`cf][]bg`UbX`ja d`Ya YbhU]cb`cZB Un]`Ubh]!>Yk]g`dc`]W]Ygž`ħY`k Umg`]b
k`\\W`ħY`W]]]Ub`dcdi `Uh]cb`fYgdc bXYX`ħc`ghU]h]!gdc bgc fYX`j]c`YbW'ž`UbX`XYj Y`cda Ybhtg`Xi f]b[`ħY`gc!
W]`YX`5Z`Yfa Uħ`cZħY`<c`cW]i gh`Mci `k]`dfYXca]bUbhm]Z`W g`cb`Ub`]bħY`bg]] Y`gh XmicZħY`<c`cW]i ghž
UbX`k]`XYVUH`X]] YfgY`dYfgdYW]j Yg`cb`dYfdYfUħc fgž`j W]ja g`UbX`Vmg]UbXYfg`" ě`ħY`W'ci fgY`mci `k]`U`gc
XYU`k]ħ`cħYf`W]gYg`cZa Ugg`j]c`YbW`W'ca a]ħYX`VmB Un];` Yfa Ubm]G`Uj gžfY`][]ci g`a]bcf]h]Ygž
d`\\mg]W]`m]UbX`a YbhU`m]X]gUV`YXž`UbX`\\ca cgYI i U`g'UbX`k]`\\Uj Y`ħY`cddc f] b]m]b`mci f`UggYgga Ybhtg
ħc`YI Ua]bY`ħY`<c`cW]i gh]b`fY`Uh]cb`ħc`cħYf`UW]g`cZ[YbcW]XY`W'ca a]ħYX`Xi f]b[`ħY`ħc Ybh]Yħ`W'bh fm
fBfa Yb]Ub`[YbcW]XYž`7 Ua VcX]Už`M [cg`Uj]U`UbX`F k UbXU'`"

7 ci fgY`@YUfb]b[`Ci hW'ca Yg

%` 9I d`U]b`fY`Yj UbhUgdYW]g`cZ<c`cW]i gh`\\]għc fmi`
&" 5bU`mgY`ja dcftUbh]h fb]b[`dc]bhtgž`dYcd`Yž`]XYUg`UbX`XYj Y`cda Ybhtg`]b`ħY`<c`cW]i gh`

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8YhUj`]bZcfa Uhcb`UVci hU`UggYgga Ybhg`k]`VY`Uj U]UV`Y`cb`A ccX`Y`"

5ggYgga YbhHUg_g

5ggYgga YbhHUg_	K Y][\h	8i Y`8UH`	Gh XYbh@YUfb]b[Ci hWca Yg`5ggYggYX
F YgYUfW`YggUm`) \$!	&) # \$ + # & \$ & % %) - `DA	&ž' ž (ž)
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Gh XYbhg`k f]h`Ub`YggUmfa`]b" &ž\$ \$ \$!`a Ul "" &ž) \$ \$`k cfXg`VUgYX`cb`]bXYdYbXYbhfYgYUfW`" Gh XYbhg`
fYW]j Y`ZYXVUW_`j]U`]bX]j]Xi U`Wca`a Ybhg`UbX`fi Vf]W`

5ggYgga Ybh&.`F YZYW]cb`cb`Di V`]W`F YdfYgYbhU]cb`cZ`h`Y`<c`cW]i gh`

@Yb[h. `%ž\$ \$ \$`k cfXg

8YhU]`g.

F YZYW]cb`cb`Di V`]W`F YdfYgYbhU]cb`cZ`h`Y`<c`cW]i ghf%ž\$ \$ \$`k cfXg`"

K f]h`b`ZYXVUW_`UbX`a Uf_]b[`j]U`Hi`fb]h`b"

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@Yb[h. `%ž\$ \$ \$! %ž) \$ \$`k cfXg

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&`ci fg/gh XYbhg`k]`fyd`mhc`cbY`cZ`h`Y`dfcj]XYX`ei Ygh]cbg`]b`WJ" %ž\$ \$ \$`k cfXg`"

Gh XYbhg`k]`fYW]j Y`U`[fUXY`j]U`A ccX`Yž`k]h`U`j YfmVf]YZZYXVUW_`"

F Ygci fWg

DfYgWf]VYX F Ygci fWg

5F HG&& ,) Gh Xm_]h-Uj U]UVY'cb'A ccXY'fj]U'@Y[UbtcE": cf'U'Wta dfY\Ybgj] Y'V]V'c[fUd\mgYY
A ccXY.

F YWta a YbXYX'fYUX]b[g.

BcbY'cZH YgY'Vcc_g'UFY'Wta di `gcfmžVi hi=gfcb[`mYbWti fU[Y'mci 'hc'WXYW'`hYgY'j'ci a Yg'Ug'U
VUW_[fci bX'fYUX]b[`Zcf'hY'Wti fgY"5`hYgY'j'ci a Yg'UFY'UVWYgg]V'Y'jb'hY'I b]j Yfg]m'jVfUfmf'cb'j]bY
j]U'hY'I b]j Yfg]m'jVfUfmWU'c[E'H\Y'j]hYa g'WU'U'gc'VY'di fWUgYX'jb'hY'I b]j Yfg]mVcc_g'cfY"

M\i XU'6Ui Yfž5 <]gcfmciZH Y'<c'cWU ghfBYk 'Mcf_': "K Uhgž% , &E- 'cf'U'byk 'YX]hcb'Zca ' &\$\$%"
8cf]g'6Yf[YbžK Uf'UbX'; YbcWXY.'5'7 cbWgY'<]gcfmciZH Y'<c'cWU ghf@Ub\Ua . F ck a Ub' / @]hYZY'X

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`ddcfhU`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`g`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`]bghU`bVW`g`k` \YfY`h`lg`]g`bchidcgg]V`Yz`]hk`]`VY`ghU`h`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=Zcfa Uh]cb