



ARTS3633

DfcZYgg]cbU`>UdUbYgY'6

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

7ci fgY`Cj Yfj]Yk

GHJZ7cbHJWk8YHJ]`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j U]UV]m	@cWjhcb	D\cbY
M a]c`<Ug\]a chc				

5ggYgga Ybh

5ggYgga YbhHUg_g

5ggYgga YbhHUg_	K Y][\h	8i Y'8UHŸ	Gh XYbh@YUfb]b[Ci hŸa Yg'5ggYggYX
K f]hŸb'HYgh	&)	\$&# \$+ #&\$&% '\$' . ' \$' DA	%ž)
F YgYUfŸ 'Dfc'YWh) \$	D`YUgY'gYY'UXX]hcbU`XYhU]`g VY`ck "	%ž' &ž' ž (ž)
GdYŸU`Dfc'YWh	&)	Bch5dd`]WUVY	%ž' ž (

5ggYgga Ybh8YhU]`g

5ggYgga Ybh% 'K f]hŸb'HYgh

GhUfhXUHŸ. '\$&# \$+ #&\$&% '\$. %\$' DA

@Yb[h. . , \$'a]bi hŸg

8YhU]`g.

Gh XYbhŸ'Ÿa d'Yh'U'hŸghfWŸ"%\ci fl:]bWŸ X]b['g\cfh'UbX`cb[Yf'Ubgk Yf'ei Yghcbg"Gh XYbhŸ'fYŸ]j' Y'U
a Uf_'UbX'WŸb'Ÿbgi' h'hY`YWh' fYf'Zcf'Z' fhYf'ZYXVUW_"

5XX]hcbU`XYhU]`g.

Gh XYbhŸ'k]`Ÿa d'Yh'U'a]X!hŸfa']b!WUgg'hŸghcZŸY]f'_bck'YX[Y'cZŸY`YWh' fY'ŸcbhŸbhŸ'UbX'fYUX]b['g"
: YXVUW_`k]`VY'[]j Yb'j]U'bi a Yf]WŸ`[fUXY'UbX'cfU`Ÿa a Ybh'

Hi fb]h]b'gYh]b[. H\]g'Ugg][ba Ybh]g'gi Va]hŸX'hŸfci [\ Hi fb]h]b'UbX'gh XYbhŸ'Xc'bchgYY'Hi fb]h]b
g]a]Uf]mfYdcfŸg"

5ggYgga Ybh&. 'F YgYUfŸ 'Dfc'YWh

GhUfhXUHŸ. 'K YY_-'

@Yb[h. . j Uf]ci g

8YhU]`g.

Gh XYbhŸ'dfYdUFY'Zcf'Ub'UVghfUWh'UbX'\UbXci hg'Zcf%'\$| ždfYgYbhU'dUdYf'Zcf'&\$| 'fWŸ"% 'a]bi hŸgž'UbX
k f]hŸ'U'dUdYf'Zcf'&\$| 'fWŸ"&\$\$!`Ÿ": YXVUW_`j]U']bX]j]Xi U`Ÿa a YbhŸž'f Vf]Ÿ'UbX']b!WUgg
X]gW'gg]cb'H\]g']g'hY'ZbU`UggYgga YbhHUg_`Zcf'UfhŸbXUbWŸ'di fdcgYg"

5XX]hcbU`XYhU]`g.

DfYgYbhU]hcb]g'hc'VY'\Y'X']b'K YY_-' 'cf'K YY_%"

8i Y`XUH`Zcf`hY`fYgYUfW`dUdYf`]g`cbY`k YY_`UZYf`]hg`dfYgYbhUhc`b""

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

5ggYgga Ybh' .`GdYW]U`Dfc`YVh

GHUfhXUH` .`K YY_`&

@Yb[h.] Uf]ci`g

8YhU]`g.

Gh XYbh]`Wta`d`Yh`j`Uf]ci`g`UW]j`]h]Yg`k`YY_`mcf`V]k`YY_`mcb`hY]f`ck`b`Wc]W`Ubx`gi`Va`]hU`dcf]z`]c`]
]bW`X]b[`fYdcf]g`Ubx`^ci`fbU`g":`YYXVUW_`j`]U`fi`Vf]WUbx`]bX]j`]Xi`U`Wta`a`Ybhg""

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ba Ybh]g`gi`Va`]h]X`h`fci`[`h`Hi fb]h]b`Ubx`ghi`XYbh]`Xc`bchgYY`Hi fb]h]b`
g]a`]Uf]mifYdcf]g""

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

f&\$- Ł

5`cH\Yf`YggYbh]U`a UHf]U`g`UfY`hc`VY`Uj U]UV`Y`cb`h\Y`Wci fgY`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

GYY`h\Y`Wci fgY`A ccX`Y"

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

H\Y`Wci fgYg`]g`dYf]cX]WU`mFYj]Yk YX`UbX`ghi XYbhg`ZYXVUW`]g`i gYX`hc`]a dfcj Y`]hg`WcbhYbhg`UbX
UW]j]hYg": YXVUW`]g`[UH\YfYX`Zca`ghi XYbhg`i g]b[`a m9l dYf]YbW`" #i]g`YbWci fU[YX`h\Ughh XYbhg
Wca d`YH`h\Y]f`gi fj Ymg`VmUWVgg]b[`h\Y`dYfgcbU]gYX`k YV`]b`_j]U`h\Y`A ccX`Y`Wci fgY`g]h"

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`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`Uf`Y`,`.\$`\$Ua`-`-%`\$.`\$\$`da`i`cb`k`YY`_X`Umg`U`b`X`-`.`.\$`\$Ua`-`-`.`.\$`\$`da`i`cb`k`YY`_Y`b`X`g`f`l`*)`X`Umg`U`m`Y`U`f`l`"Ʒmci`
Uf`Y`i`b`U`V`Y`h`c`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`h`c`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`a`Um`U`dd`m`Z`c`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`
a`i`gh`f`Y`h]b`mci`f`h]W`Y`h`bi`a`V`Y`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`X`Y`U`g`Y`j`]X`Y`b`W`h`c`gi`ddc`fh`mci`f`YI`HY`bg]cb`U`dd`]W`h]cb`"Ʒmci`Ya`U]`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`
Ui`h`c`a`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`h`bi`a`V`Y`f`z`Vi`h]Z`mci`HY`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`h`c`g`d`Y`W`Z]W`U`m`U`g`_`Z`c`f`c`b`Y`"
Hi`fb]h]b`U`g`c`d`f`c`j`]X`Y`g`i`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`"

;`Y`b`Y`f`U`m`z`U`gg`Y`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`
U`gg][`ba`Y`b`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`Y`X`c`b`mci`f`W`c`i`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`f`a`U`h]c`b`c`b`l`c`k`h`c`gi`Va`]h`U`gg][`ba`Y`b`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`U`gg][`ba`Y`b`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]]hYg'Ug'U'gh XYbhUhl BGK
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