



# ARTS1211

5i ghfU`]Ufg`5g]Ub`7 cbhYI h

HYfa `H\fYY`##`&\$%-

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUW`i8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]`]m	@cWU]hcb	D\cbY
@ci ]gY`9Xk UfXg	`ci ]gY`YXk UfXg4 i bgk "YXi "Ui	K YXbYgXUm %&"\$\$!%( "\$\$`cf`6m 5ddc]bha Ybh	A 6' ' &	- ' , ) !%\$&+

`Hi hcfg`

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GW\cc``7cbhUW`i`bZcfa Uh]cb

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

@cWU]hcb. `GW\cc``C Z]W`ZA cfj Yb`6fck b`6i ]X]b[ ž@Yj Y``&ž&),

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D\cbY. `Ž\*%&`- ' , ) `%, %

: U! . `Ž\*%&`- ' , ) `; , +\$)

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

7 ci fgY'8YHJ]`g

7 fYX]h'Dc]bHg '\*`

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

Gi V'YWh5fYU.'3e[S` E fgV[Mé

fi gfU`]U'g'5g]Ub'7 cbhYI hf]b'fcXi W'g'mci 'hc'hfUbgX]gW'd`]bUfmk Umg'cZYI Ua ]b]b[ 'a cXYfb'5i gfU`]Ufj

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

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F YgYUfWŸ'9ggUm	( \$i	&) #/%#&\$%- '\$( . \$\$'DA	%ž&ž ž{
!WUgg'YggUm	' \$i	Bch5dd`]WVY	%ž&ž ž{
!WUgg'a i `h!Wxc]W'hygh fl &Ł	' \$i	Bch5dd`]WVY	%ž&ž ž{

## 5ggYgga Ybh8YHU]`g

5ggYgga Ybh% F YgYUfWŸ'9ggUm

GHUfhXUHŸ. Bch5dd`]WVY

@Yb[ h. % \$\$!&\$\$\$ k cfXg

8YHU]`g. Gh XYbhg:k f]h'U'fYgYUfWŸ'YggUmcZ% \$\$!&\$\$\$ k cfXg'jbWi X]b[ 'hY'V]V]c[ fUd\m: YYXVUW.  
fi Vf]WUbX`]bX]j ]Xi U`Wta a Ybhg"H\]g]g'hY'Z]bU`]hYa 'Zcf'UfhYbXUbW'`di fdcgYg"

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

7\ccgY`cbY`ghUbxUfX'fYZfYbW]b[ `UbX'V]V]c[ fUd\]WghmY`UbX'Udd'm]hWcbg]ghYbhmi\hfc [ \ci hihY`YggUm"

Hi fb]h]b`gYH]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'hfc [ \ `Hi fb]h]b`UbX'ghi XYbhg`WUb`gYY`Hi fb]h]b`ga ]Uf]hm  
fYdcftg"

5ggYgga Ybh&. !WUgg'YggUm

GHUfhXUHŸ. Bch5dd`]WVY

@Yb[ h. %\$\$\$ k cfXg

8YHU]`g.



5 hYbXUbW`F Yei ]fYa Ybhg

Gh XYbhg`UFY`ghfcb[ `mYbWci fU[ YX`hc`Uhh`bX`U`WUggYg`UbX`fYj ]Yk ``YWhi fY`fYWc`fX]b[ g"

7 ci fgY`GWXYXi `Y

[J \]Yk`WUgg`hja`YhUV`Y](#)

H]a`YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_%`%*`GYdhYa VYf! &\$`GYdhYa VYf	@YWhi fY	: fca `: YUf`hc`Cddcfhi b]lm  7cbhYbh`

DfY!`YWfi fY'j ]Yk ]b[





9h]V]mžHci f]ga 'UbX'7\]bUrc k bž' <agd S^  
aX3gefđS'Œ E fgV]Wēž&+'f&\$\$' Łždd"  
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7 \ UbbY`j jXYcg'cb'Mci hi VY

[Ubu'mglg#U% ' "dXZ](#)

- 7 UhYf]bY ; ca Ygž'5g]Ub`Gh XYbtg  
8 ]gWcbbYWñZca `@cWJ`Gh XYbtgžGh Xm  
: ]bXg'&\$%+"5j U]UV`Y  
cb`]bY \`hd. #JgUU"Ugb"Ui #Jg]Ub!gh XYbtg!  
[XlgWcbbYWñ`cWJ!gh XYbtg!gh XmZ\]bXg#](#)

? YmE i Ygh]cbg.

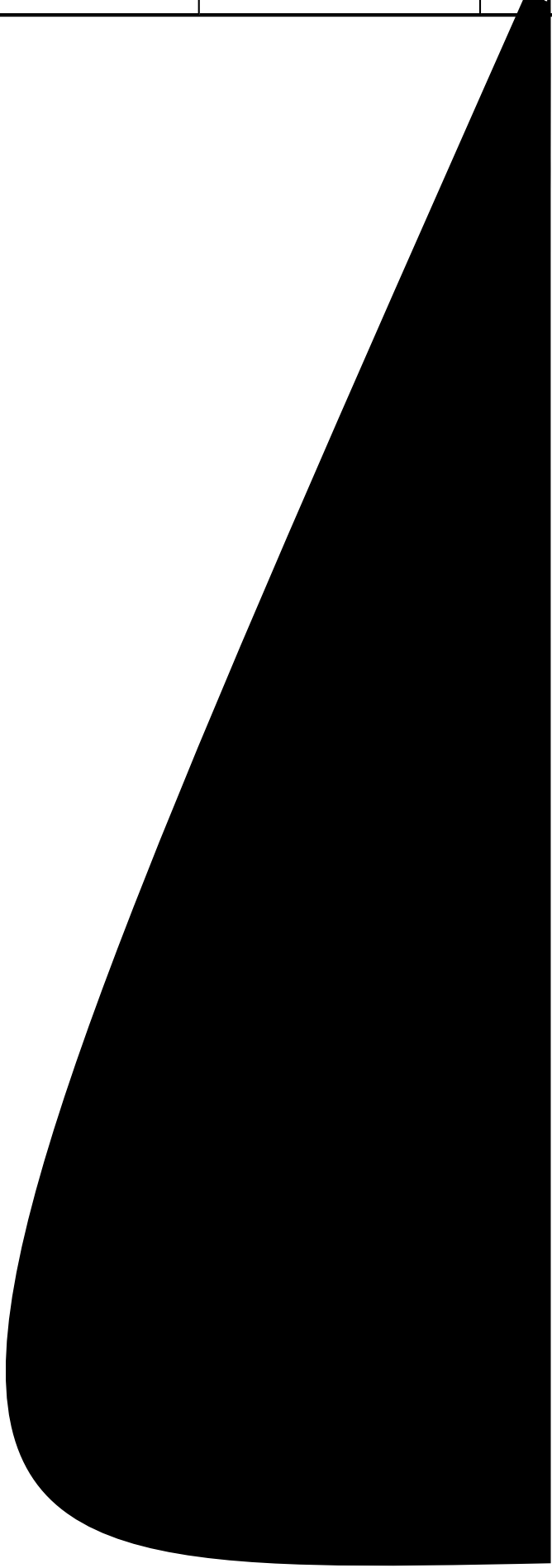
- K \Uhfc`Y`XcYg`YXi Wñ]cb`d`Um]b  
WcbbYWñ]b[ `5i ghfU`]U`UbX`5g]U3





		? YmE i Yghcbg.

			8cYg'5g]Uf]f]gY'a YUb'hY'k Ygf]g'XYW]bY3 K \Uh]g'hY'fc'Y'cZk \]hYbYgg]b fk YghYfbYggf3
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F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\YfY`jg`bc`gYhHl Hcc\_`Zf`h`jg`Wci fgY""5""fYeI`jFYX`fYUX]b[ `]g`Uj`U]UV`Y`cb`@Y[`Ubhc`cf`cb`A`ccX`Y`"]b\_g"

F YWca a YbXYX`F Ygci fWg

6fUk`YmžGYUb""H\Y`K` \]h`DYf]`:`cfY][`b`F`Y`U]cbg`UbX`5g]Ub`a`a`][`fU]cb`hc`5i`ghfU`Ug]U`UbX`B`cfh`  
5a`Yf]Wž`%`-%`!`%`+``žI`BGK`DfYggžGmXbYmž`%`-`)"`

6YHtgž?`U\Yf]bY""`Xyc`c[`mUbX`a`a`][`fU]cbž`A`I`Dž`A`Y`Vci`fbYž`%`,``,`"``

6fc]bck`g\_]ž`5`]gcb`fYX`"E""8`ci`V`Y`J`]g]cb.`5g]Ub`5`Wwci`bhg`c`Z`5i`ghfU`]Už`D`UbX`Ubi`g`6`cc`\_gž`7`Ub`VY`ff`Už`&\$\$`("``

6fc]bck`g\_]ž`5`]gcb""H\Y`MY`ck`@UXm`5i`ghfU`]Ub`a`dfYgg]cbg`c`Z`5g]Už`C`I`Dž`@cbXcbž`%`-`&"`

6i`f`\_Yž`5`b`h`cbm`i`b`:`YUf`c`Z`GYW`f]m`5i`ghfU`]U`g`b`j`Ug]cb`5`bl`]Ymž`D`i`hc`DfYggžGmXbYm`

6nfbYgž`A`]WUY""`5i`ghfU`]U`UbX`h`Y`5g]U`:`Ua`Yž`5`Yb`UbX`I`bk`]bž`GmXbYmž`%`-`("``

:`]m[`YfU`Xž`>c`b`"6][`K` \]h`@Y.`7` \]bYgY`5i`ghfU`]Ubg`]b`K` \]h`5i`ghfU`]U""I`BGK`DfYggžGmXbYmž`&\$\$`+`"

:`]m[`YfU`Xž`Gh`d`Yb""`g`5i`ghfU`]U`Ub`5g]Ub`7`ci`bfmž`5`Yb`UbX`I`bk`]bž`GmXbYmž`%`-`+`"

:`fUgYfž`A`U`Wc`a`8`Ub[`Yfci`g`5`Ygž`A`I`Dž`A`Y`Vci`fbY`&\$\$`%`"``

:`fY]ž`<"D">Ud`Ub`g`Gci`h`k`UfX`5`Xj`UbW`UbX`5i`ghfU`]U`Zca`h`Y`G]i`h`Y`b`h`7`Y`b`i`f`m`h`c`K`c`f`X`K`Uf`&ž`A`I`Dž`  
A`Y`Vci`fbYž`%`-`%"`

;`YfghYfž`F`cV]b""<c`h`5g]U.`5i`ghfU`]Ub`@]h`fUfm`HfUj`Y`"]b[`hc`h`Y`9`Ug`hž`DYb[`i`]bž`A`Y`Vci`fbYž`%`-`)  
;`c`Xgk`cfh`nž`8`Uj`]X`fYX`E""`UW]b[`B`cfh.`5`W`b`h`f`m`c`Z`5i`ghfU`]Ub`9`b[`U[`Ya`Y`b`h`k`]h`5g]Už`A`I`Dž`7`Uf`h`c`b`

Gci`h`ž`J`]Wc`f]Už`&\$\$`%`&\$\$`'`"``

<U[`Yž`:`\`Ugg`Ub""K` \]h`B`U]cb.`:`Ub`h`Ug]Yg`c`Z`K` \]h`G`i`dfYa`U`W`h`i`b`U`A`i`h`W`h`i`fU`Gc`W]Ymž`D`i`hc`DfYggž`



Di b[ ž5`jW`fYXŁ"; fck ]b[ `l d`5g]Ub`]b`5i ghfU`]Už6`UW\_`đWžA Y`Vci fbYž&\$\$, "  
F c`gž9f]W`Gc`ci fbYfg.`H\Y`9d]WGħcƒmicZ7`\\bU`g`7Ybh`f]Yglc`X`F`Y`Uħ]cbg\\]d`k`]ħ`5i ghfU`]UžI` E D.

6f]gVUbYž%-`-&"

GU]Xž9Xk UfX`"C f]YbhU`]ga`.`K`YghYfb`7cbWđ]cbg`cZħY`C`f]Ybh`DYb[`i`]bž`@cbXcbž%`+`,`"

GcVcW]bg\_Už5[`b]Ygn\_U#J`]g]ħb[`ħY`BY][`\\Vci fg.`5i ghfU`]Ubg`]b`5g]UžBYk`Gci`ħžGmXbYmž`&\$\$(" "

HUj Ubž;`k`YbXU`"H\Y`@cb[`žG`ck`8YUħ`cZK`\\]ħ`5i ghfU`]UžGW]VYžA`Y`Vci fbYž&\$\$)" "

HcfbYmDUf]W\_žDfi`Y`"Gca`Yk`\\YfY`]b`5g]U.`K`Ufž`>ci`fbU`]ga`UbX`5i ghfU`]U`g`BY][`\\Vci fg`%`(`%`%`+)"`I`BGK`DfYggž`GmXbYmž`&\$\$\$"

K`U`\_Yfž8Uj`]X`/`GcVcW]bg\_Už5[`b]Ygn\_U`fYXgŁ`5i ghfU`]U`g`5g]U.`: fca`ħY`M`ck`DYf`]ħ`5g]Ub`7Ybh`f`I`K`5`Di`V`]g\\]b[`ž`7fUk`Ymž`K`5ž`&\$\$&"

K`U`\_Yfž8Uj`]X`5bi`]ci`g`BUħ]cb.`5i ghfU`]U`UbX`ħY`F`]gY`cZ5g]Už`%`)`\$!`%-`-`žI`E`DžGħ@`W]Už`%-`-`-/`I`K`5`Di`V`]g\\]b[`ž`7fUk`Ymž`&\$\$&"

K`Yg`YmžA`]W]UY`"H\YfY`[`cYg`ħY`BY][`\\Vci`f`ccX`"BYk`Gci`ħžGmXbYmž`&\$\$%`"

K`Yg`YmžA`]W]UY`"F`YghYgg`7cb]bYbh`K`YU`ħžF`]j`U`fm`UbX`5g]Uf]g`BYk`:`Ycdc`]ħWg`"6`UW\_`đWž`&\$\$%`"

K`\\]ħž<i`[`\\`"H\Y`7\\]bU`7`\\c]W].`K`\\m5a`Yf]W]b`G`\\ci`X`G`\\UfY`Dck`Yf`"6`UW\_`đWžA`Y`Vci`fbYž`&\$\$&"

K`YVg]ħYg.`5g]U`9Xi`W]ħ]cb`:`ci`bXUħ]cb/H\Y`8]d`ca`Uh`H\Y`7`cbj`YfgUħ]cbž`5g]Ub`7`i`ffYb]gž`H\Y`đħYfdYħYfž`5DDG`Dc`]Vħi`cfi`a`

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

H\\]g`Wci`fgY`]g`Yj`U`i`UħYX`i`g]b[`a`m9I`dYf]YbW`gi`fj`YmicdYfUħYX`Vmi`BGK`"@]b\_g`k`]"`UddYUf`cb`A`ccX`Y`k`\\Yb`ħY`Yj`U`i`Uħ]cb`dYf]cX`]g`cdYb`":`cf`]bžcfa`Uħ]cb`cb`\\ck`ħY`Wci`fgY`k`Ug`U`ħYfYX`]b`fYdgcbgY`ħc`dfYj`]ci`g`gi`fj`Ymžg`gY`ħY`fY`Yj`UbhgYW]cb`cb`A`ccX`Y`"

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k`Yb`U`H`Ya`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]h]b`z`d`YUgY`  
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`),`'`,`'`,`%cf`Ya`U]`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`fI`\*)`XUmg`U`mY`UfL`≠mci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhXi`Y`hc`U`ZU`hik`]h`Hi`fb]h]b`mci`a`Um`Udd`mi`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`  
a`i`ghfY`hU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Yb`hg`L`hc`  
]bWi`XY`Ug`Yj`]XYbW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb"≠mci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`k`]"`

## 5 WUXYa ]W<c bYghmUbX`D`U[ ]Uf]ga

D`U[ ]Uf]ga `]g`i g]b[ `hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b[ `hYa `Ug`mci f`ck b" `hWUb`hU`Y`a Ubm  
Zcfa gž`Zca `XY`]VYfUHY`WXYU]b[ `hc`UWV]XYbhU`mW`dm]b[ `Zca `U`gci fW`k ]h`ci hUW\_bck`YX[ Ya Ybh`

I BGK `[ fci dg`d`U[ ]Uf]ga `]bhc`hY`Zc`ck ]b[ `WUHY`[ cf]Yg.

7cdm]b[ .`i g]b[ `hY`gUa Y`cf`j Yfmg]a ]Uf`k cfXg`hc`hY`cf][ ]bU`hYI hcf]XYU`k ]h`ci hUW\_bck`YX[ ]b[ `hY`  
gci fW`cf`i g]b[ `ei chU]cb`a Uf\_g" `H\]g`U`gc`Udd`]Yg`hc`]a U[ YgžUfhUbX`XYg][ b`dfc`YWgžUg`k Y`Ug  
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[ .`7`Ub[ ]b[ `U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmifYU]b]b[ `hY`cf][ ]bU`  
ghfi W`i fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`ž`UbX`]bZcfa U]cb`k ]h`ci hUW\_bck`YX[ Ya Ybh`H\]g`U`gc  
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hWYX]hU`bX`hc  
d]YW]b[ `hc[ YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk `k \c`Yž`k ]h`ci hUddfcdf]UHY`fYZYfYbW]b[ "

7c`i g]cb.`k cf\_]b[ `k ]h`chYfg`Vi hdUgg]b[ `cZ`hY`k cf\_]Ug`U`dYfgcb`g`]bX]j ]Xi U`k cf\_]7c`i g]cb`U`gc  
]bWi XYg`dfcj ]X]b[ `mci f`k cf\_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHYž`cf`Zc`f`hY`di fdcgY`cZ`hY`a

- 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'U'g'U'f'X'g'c'Z'V'Y'U'j ]ci f'Y'I d'Y'W'X'c'Z'Y'j Y'f'm'c'b'Y' ]b'U'Y'I BGK 'W'c'a a i b]m
- 'c'W'U'h'g'Y'f'j ]W'g'U'bx' ]b'Z'c'f'a U'h'c'b'U'V'c'i h'l BGK 'U'bx'I BGK '@]V'f'U'f'm

Gca Y'cZ'U'g'Y'U'f'Y'U'g'k ]''VY'Z'Ja ]]U'f'U'c'mci ž'c'h'Y'f'g'k ]''VY'b'Yk "'; U]b]b[ 'U'g'c'X'i bXYfghUbx]b[ 'cZU''h'Y f'Y'U'h'X'U'gd'Y'W'g'c'Z'9@-G'9'k ]''\Y'd'mci 'a U\_Y'h'Y'a c'g'h'c'Z'mci f'g'h X]Y'g'U'hl BGK ""

[\h'c'.#\]j V'Y'W'f'i \]X'Y'g'' \]V'f'U'f'm'i b'g'k "Y'X'i "U'i #' \]g'Y'#U'V'c'i h'Y' \]g'Y](#)

5 WXYa ]WbZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[ `rc.