



# ARTS2845

GYI ž<i a Ub'F ][ \hg'UbX'>i gh]W

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

7 ci fgY`Cj Yfj ]Yk

GhJZZ'7cbhJWw'8YhJ]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWWhcb	D\cbY
<Y`Yb`Df]b[ `Y	\`df]b[ `Y4 i bgk "YXi "Ui	6mUddc]bha Ybh	A 6`%( &	f\$&E`-\$*) )' \$&

GW\cc``7cbhJWw'`bZcfa Uh]cb

GW\cc``cZGcWU`GWYbVWg

Fcca`%) -

A cfj Yb`6fck b`7 &\$

Ya U]`.gcgg4 i bgk "YXi "Ui

d\cbY. \$&`- ' , )`% \$+

7ci fgY'8YHJ]`g

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

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

H\]g'Wci fgY'YI Ua ]bYg'h\Y'df]bW]d'Yg'UbX'dfUW]W'g'cZ\i a Ub'f] [ \hg']b'fY'Uh]cb'fc'ei Ygh]cbg'cZgYI'UbX  
gYI i U'fY'Uh]cbg" b'dUfh]W'Ufz'h\Y'ZcW'g'cZ'h\Y'Wci fgY ]g'cb'h\Y'UXYei UWmUbX'Uddfcd]UHybYgg'cZU

5ggYgga Ybh

5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHr	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
HYgh	( \$i	K YY_) 'UbX'K YY_ '-	*
9ggUmi	) \$i	#\$#, #&\$&%%%) - 'DA	

5ggYgga Ybh&. '9ggUm

@Yb[ h. '&) \$\$%k cfXg

8YhU]g.Gh XYbht'gi Va ]hUb' ]bX]j ]Xi U'YggUmif&) \$\$'k cfXgE" E i U' ]hU]j Y'ZYXVUW\_ UbX'U'bi a Yf]WU' [ fUXY  
UfY'fYh fbYX'hc'gh XYbht'k ]h ]b'hY'b'k cf\_]b[ 'XUm]cZXi Y'XUHY'"H\Y'UggYgga YbhW]hYf]U'UfY'Uj U]UV'Y'hc  
gh XYbht'Uh'hY'ghUfhcZgYa YghYf'gc'hUh'hYmWUb'k cf\_'hc k UfXg'gdYW]ZYX'ghUbXUfXg" H\]g' ]g'hY'ZbU'  
UggYgga Ybh]b'h ]g'Wdi fgY'Zcf'hY'di fdcgYg'cZ'hY'UhhYbXUbW'fYei ]fYa Ybh"

5ggYgga Ybh' . 'Hi hcf]U' F Ydcfh

@Yb[ h. 'Uddfcl ') \$\$'k cfXg

8YhU]g.Gh XYbht'gi Va ]hUb' ]bX]j ]Xi U'fYdcfhcb'hY]f'h hcf]U'dfYdUfU]cb'UbX'dUfh]WdU]cb'f) \$\$'k cfXgE"  
H\Y'UggYgga YbhW]hYf]U'UfY'Uj U]UV'Y'hc'gh XYbht'Uh'hY'ghUfhcZgYa YghYf'gc'hUh'hYmWUb'k cf\_'hc k UfXg'  
gdYW]ZYX'ghUbXUfXg" Gh XYbht'k ]'fYW]j Y'ZYXVUW\_'k ]h ]b'hY'b'k cf\_]b[ 'XUm]cZgi Va ]gg]cb"

Hi fb]hb'gYh]b[ . 'H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'hfci [ \ 'Hi fb]hb'UbX'gh XYbht'Xc' bchgYY'Hi fb]hb  
g]a ]Uf]hmifYdcfhg"

5 hYbXUbW`F Yei ]fYa Ybhg

7 ci fgY`GWXYXi `Y

[J \]yk `WUgg`ha YhUV`Y](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_% " %A Um! "( >i bY		; YbYfU` ]bffcXi W]cb. `C f]YbH]cb`UbX`ei Ygh]cbg
K YY_& . + >i bY ! %%		bXYfghUbX]b[ g`cZ\i a Ub`f][ \hgžgYI # YbXYfžUbX
>i bY		↑ gh]W
K YY_ " . % ) >i bY ! %		8 ]gW]a ]bU]cb` ]b`di V`]WUUbX`df]j UhY
>i bY		
K YY_( . : & % >i bY ! : & )		G YI i U` \UfUgga YbhUbX` ]bh]a UhY`fY`Uh]cbg
>i bY		
K YY_ ) . : & , >i bY ! : & >i `m		5Vcf]cb. `5`ei Ygh]cb`cZ` ]Zždf]j UWncf`cZgYI i U`
		Yei U` ]m3
K YY_ * . ) >i `m ! - >i `m		: `YI ]V` ]]mk YY_
K YY_ + . % & >i `m ! % * >i `m		7cbgYbhUbX` \Ufa žUi hc bca mUbX`df]j UWžUbX` hY
		WUgY`cZgUXc!a UgcW]ga
K YY_ , . % - >i `m ! & ` >i `m		F UdY`UbX`gYI i U`UggUi `h`žX]j ]Xi U`UbX`#cf`gcW]U`
		\Ufa 3
K YY_ - . : & * >i `m ! " \$ >i `m		F UdY`UbX`gYI i U`g`Uj Yfm]b`k Uf`UbX`Ufa YX`WčbZ]W
K YY_ % \$ . & 5i [ i gh ! *		Dfcgh]h ]cbžgYI `k cf_`UbX`fUZZ]W_]b[ . `5`ei Ygh]cb`cZ
5i [ i gh		WčbhfUW` U`žFYXca `cf`cZYI d`c]h]cb3

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Y`YggYbh]U`fYUX]b[ g`Zcf`YUW`k YY`\_UfY`a Uf`\_YX`k ]h`Ub`Ughf]g`\_]b`hY`k YY`\_mgW\YXi`Y"

F YWca a YbXYX`F Ygci fWg

5g`bchYX`UVcj Yzh`hcf]U`g`dfYgi`ddcgY`h`Uhmci` \Uj`Y`fYUX`UbX`a`UXY`Ub`\cbYghUhmYa`dhlc`i`bXYfgHUbX`hY`fYei`]fYX`fYUX]b[ `Zcf`YUW`k`YY`\_zk` \]W\`]g`ghUffYX`]b`hY`Wci`fgY`[ i`]XY`VY`ck`"

h]g`]a`dcf]Ubh]h`UhiUg`W]h]nYbgz`UbX`ghi`XYb]g`cZdc`]h]Wgzmci`fYUX`Uh`YUghicbY`[ ccX`bYk`g`gci`fW`XU]`mifZcf`YI`Ua`d`YzhY`cb`]bY`

[: cc\[ 'Y'UbX': cc\[ 'Y'GWXc'Uf](#)

CZwci fgY''Mci 'Wb'gYhi d'hY'dfYZfYbW'g'hc''b\_'; cc[ 'Y'GWXc'Uf'hc'hY'I BGK '@]VfUfmYj Yb'k \Yb'mci UfY'bc'hc'b'Wla di g.'[ c'hc'; cc[ 'Y'GWXc'Uf2'gYh'ib[ g2''VfUfm''b\_gz'UbX'Yb'hf'i' b]j Yfg]m'cZBYk 'Gci h' K U'Yg''b'hY'Vcl 'Zcf' '@VfUfmi"

[I b\]h'X'B'Uhc'bgz'UbX'I B'K'ca Yb](#)

H\Y'I B'g]h'c'ZYfg'UW'W'gg'hc'XcW a Yb'hg'z'XYW]g]cbg'UbX'Yj Yf'm'h]b[ 'Y'gY'hc'Xc'k ]h'h'Y'I B'f'Ug'h'Y'g]h'Y' ]g [ ] [ Ub]h'Vz'h]g'g'ca Y'h'a Yg'ei ]W'Yf'hc'g'YUf'W'Zcf'I B'XcW a Yb'g'i' g]b[ ': cc[ 'Y'

[5i ghfU'Ub'@Y\[ U' bZc'fa Uhc'b' bgh'h h'f'bi gh@+](#)

H\]g'g]h'Y'dfcj ]XYg'UW'W'gg'hc'Ub'YI h'Ybg] ]Y'gY'Y'W]cb'cZdf]a Ufm'UbX'g'Y'W'cb'X'Ufm'5i ghfU'Ub''Y[ U''a U'h'f]U'gz' UbX'\Ug''b\_g'hc'a Ubm]b'h'fb'Uhc'b'U''Y[ U''X'U'U'V'Ug'Y'g'UbX'Y'Y'W'f'cb]W'ci fb'U'g"

[5i ghfU'Ub'DUf\]Ua Ybh](#)

H\]g'g]h'Y'dfcj ]XYg'UW'W'gg'hc'XYV'U'h'gz'Y[ ]g'Uhc'b'z'W'a a ]h'Y'Y'gz'dUf]Ua Yb'h'U'f'm'k \c'g'k \c'Y'h'W'z'k ]h'U'X][ ]h'U' g'Y'U'f'W'c'Z'f'Y'W'f'X'g'Z'f'ca '%- \$%Uh'DUf' bZc'z'UbX' ]b] U'i UV'Y'di V' ]W]h'c'bg'U'h'h'Y 'DUf]Ua Ybh'U'f'm]@VfUfmi"

[< \] \[ \ '7 ci fhcZ5i ghfU' \]U](#)

H\Y'7 ci fh'g'\ca Y'dU[ Y'c'ZYfg'XYW]g]cbg'z'h'U'bg'W]d'hg'z'f'Y'W'bh'gd'Y'Y'W'Y'gz'V]c[ f'Ud\]Y'g'c'Z'h'Y' ↑ X[ Y'g'z'Y'h'W'

[< i a Ub'F \] \[ \ hg'K U'h'W'z'Ygd''K'ca Yb'g'F \] \[ \ hg](#)

[9i fcdYUb'7 ci fhcZ<i a Ub'F \] \[ \ hg](#)

7 Ug'Y'g'UbX'c'h'Y'f'a U'h'f]U'Z'f'ca 'h'Y'9i fcdYUb'7 ci fh'

[I b\]h'X'? \]b\[ Xca 'DUf\]Ua Ybh](#)

H\]g'g]h'Y'c'ZYfg'UW'W'gg'hc'V'ch'dc' ]h'W''UbX''Y[ U''XYW]g]cbg'z'd'i g'U''h'Y'i gi U''gh' Z'cb'[ c] Y'f'ba Yb'h''H\Y'f'Y U'f'Y'U'g'c'g'Y'd'U'f'U'h'k'Y'V'g]h'g'Z'c'f'h'Y 'GW'f'h'g'\': c] Y'f'ba Yb'h'f ]U[ \U'h'Ug'b'U'\15'V'U'z'h'Y'K'Y'g'\': c] Y'f'ba Yb'h' f@nk cX'f'U'Y'h'7 ma fi t'z'UbX'h'Y' B'c'f'h'Y'f'b' f'Y'UbX'9i Y'W'h] Y' @cgg]V'Y'Q

[H\Y'K \ \]h'Y'< ci gY](#)

C'Z]W]U'k'Y'V'g]h'Y'Z'c'f'h'Y'K \ ]h'Y'< ci g'Y'UbX'h'Y' ( ) ^h' D'f'Y'g]X'Y'b'h'c'Z'h'Y'I G5"

[Gi dfYa Y'7 ci fhcZ7 UbUXU](#)

H\]g'g]h'Y'dfcj ]XYg'UW'W'gg'hc'XYW]g]cbg'c'Z'h'Y'Gi dfYa Y'7 ci fhcZ7 UbUXU"

[Gi dfYa Y'7 ci fhcZ'h'Y'I b\]h'X'G'h'U'h'g](#)

H\]g'g]h'Y'c'ZYfg'I G'Gi dfYa Y'7 ci fh'XYW]g]cbg'U'g'k'Y''U'g''c'h'g'c'Z'c'h'Y'f'a U'h'f]U''"

[C'm'Y'n](#)



H\]g'I G'Gi dfYa Y'7ci fhA i`hja YX]U'g]h' dfcj ]XYg'UWVWgg'hc'cfU'Uf[ i a Ybhz'fUbgW]dHg'UbX'WUgYg"

A Ubmch.Yf'i gYZ `XUUVUgYg'UfY'Uj U]UV'Y'j ]U'h.Y

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`Uj`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`"Gi`ddc`fh`  
`l`ci`fg`UfY`,`.\$`\$Ua`-`-%`\$.\$`\$da`i`cb`k`YY`\_X`Umg`U`bX`-`.\$`\$Ua`-`-`).`\$`\$da`i`cb`k`YY`\_Y`bX`g`f`l`\*)`X`Umg`U`m`Y`U`f`l`"Ʒmci`  
UfY`i`b`UV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Z`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Yj`U`b`h`X`c`W`a`Y`b`h`g`k`hc`  
]b`Wi`XY`U`g`Y`j`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`Uj`9I`HY`fb`U`Gi`ddc`fh`mci`k`j`  
Ui`hc`a`U`h]W`m`f`Y`W`j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`cb`Y`mci`k`j`b`Y`Y`X`hc`gd`Y`W`Z`W`m`U`g`\_`Z`f`c`b`Y`"  
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`gi`d`X`U`h`Y`g`c`b`h`Y`j`f`g`m`g`h`Y`a`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`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`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`  
U`gg][`ba`Yb`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`j`V`Y`g`h`U`h`X`c`b`mci`f`W`ci`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`"

:`cf`]b`Z`fa`U`h]cb`cb`l`ck`hc`gi`Va`]h`U`gg][`ba`Yb`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`#`ck`!  
gi`Va`]h`U`gg][`ba`Yb`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
-

## 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]cbž`gYY