

# **ARTS2249**

9bj ]fcba YbłU``D\]`cgcd\m

HYfa 'CbY''##'&\$&%

## 7ci fgY<sup>·</sup>Cj Yfj ]Yk

## GHJZZ7cbHJWh78YHJ]`g

7 cbj Ybcfg

## 7cifgY<sup>·</sup>8YHJ]`g

### 7 fYX]hDc]bhg\*\*\*

### Gi a a UfmcZhXY7ci fgY

H\]gʻWcifgYʻYIUa]bYgʻ]bZiYbh]Uʻʻh\Ycf]YgʻcZbUhifYʻUbXʻh\YʻYbj]fcbaYbh']bʻd\]`cgcd\mUbXʻUʻfUb[YʻcZ ]bhYfX]gW]d`]bUfmkf]h]b[gžZfca`5f]ghchYʻhcʻh\YʻdfYgYbh'`H\YʻWcifgY`YId`cfYgʻh\YʻZc``ck]b[ʻeiYgh]cbg.`=g h\YfY`UʻWcbbYW]cb`VYhkYYb`\ck`bUhifY`\UgʻVYYb`WcbWY]jYX`]bʻd\]`cgcd\mUbX`gW]YbW`UbXʻh\Y`W`ffYbh Ybj]fcbaYbhU``Wf]g]g3`=gʻh\Yʻbch]cb`cZbUhifY`gh]``U`aYUb]b[Z```hYfa`]bʻh\Yʻ5bh\fcdcWfbY3``K\Uhi]gʻh\Y X]ZZfYbWY`VYhkYYbʻbUhifY``UbX`fW`hifY'3`<ck`g\ci`X`\iaUbgʻibXYfgHbX;h\Y]f`fY`Uh]cbg\]d`hc`fbUhifY'3``

H\YgY'ei Ygh]cbg'k]``VY'UXXfYggYX'Zfca 'U'fUb[Y'cZdYfgdYWh]jYgžgi W\'Ug.'D\Ybca Ybc`c[mz'7f]h]WU` H\Ycfmz'; Yfa Ub'F ca Ubh]W]ga žYbj]fcba YbhU``Yh\]Wgž9WcZYa]b]ga žWcbhYa dcfUfmh\ci[\hiUbX'bcb! K YghYfb'UddfcUW\Yg"`8fUk]b['cb'h\YgY'X]jYfgY'hfUX]h]cbgž'h\Y'WcifgY'YIUa]bYg'dcgg]V`Y'U'hYfbUh]jYg'Zcf i bXYfghUbX]b['h\Y'\i a Ub!bUhifY'X]j]XY"

### 7cifgY`@YUfb]b[`CiHWcaYg

- %" 9j U`i UHY H\Y`a Yf]hg`UbX``]a ]HUh]cbg`cZ\_Ym'UddfcUVXYg`hc`9bj ]fcba YbHJ``D\]`cgcd\m
- &" 7 f]h]WU``mUddfU]gY`h\Y`fY`Yj UbWY`cZ\]ghcf]WU``UbX`WcbhYa dcfUfmUddfcUVX\Yg`hc`bUh fY`UbX`h\Y Ybj]fcba Ybhhc`h\Y`WcbhYa dcfUfmWcbhYI h
- ' " 5ggYgg'X]ZYfYbh\_YmUddfcUVXYg'hc'bUhi fY'UbX'h\Y'Ybj ]fcba Ybh']b'd\]cgcd\mUbX'WcbhYa dcfUfm Ybj ]fcba YbhU`t\ci [ \h
- ("G\ckWUgY`\_Ymih\YcfYhJWU``]bei]fmig\_]``g`cZh\Y`\i a Ub]hJYg`h\fci[\`Wf]hJWU``UbU`mg]gž'hYI hi U` ]bhYfdfYhUh]cbž'Uf[i a Ybhž'UbX`k f]hhYb`YI dfYgg]cb

### HYUW&]b[ GhfUhY[

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## 5ggYgga Ybh

GYY'Wci fgY'A ccX`Y'dU[Y'Zcf'XYHJ]`g'

## 5ggYgga YbhHUg\_g

5ggYgga YbhHJg_	K Y][∖h	8iY'8UHY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
G\cfhiYggUmi	&) ı	%-#\$'#&\$&%`%%\$\$`DA	%ž`(
FYgYUfW\`dcfhZc`]c`	&) ı	&'#\$(#&\$&%`%%\$\$`DA	%ž`'Ž`(
9ggUmi	) \$ı	'\$#\$(#&\$&%`%%\$\$`DA	%ž' &ž' ' Ž'(

### 5ggYgga Ybh8YfU]`g

5ggYgga Ybh% G\cfhYggUm

GhUfhXUhY.Bch5dd`]WUV`Y

@Yb[h\.\*%&\$\$\*kcfXg

#### 8YHJ]`g.

H\]g`]g`U`g\cfhYggUmžWead`YHYX`k]h\]b`h\Y`Z]fghZ]jY`kYY\_g`cZh\Y`WeifgY`h\Uh`]g`df]aUf]`m`U`WegY`fYUX]b[ YI YfW]gY`cZUb`]adefhUbhkef\_`]b`Ybj`]febaYbHU``h\ci[\h'

: YYXVUW\_`]g`k f]thYb`UbX#cf`a Uf\_]b[`g\YYhcf`fi Vf]W

@Yb[h\`%&\$\$`k cfXg

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

8YHJ]YX`]bgHi Whjcbg`k]``VY`Uj U]`UV`Y`cb`A ccX`Y`

Hi fb]h]b'gYh]b[.`H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'h\fci [\`Hi fb]h]b'UbX'ghi XYbhg'Xc'bchgYY'Hi fb]h]b g]a ]`Uf]hmifYdcfhg"

5ggYgga Ybh& FYgYUfW dcfhZc`]c

**GhUfhXUhY**. Bch5dd`]WUV`Y

@Yb[ h\.`&\$\$\$`k cfXg`A ]b]a i a

#### 8YHJ]`g.

5 fYgYUfW\'dcfhZc`]c'k \YfY`ghi XYbhg`UXXfYgg`]ggi Yg`UbX`ei Ygh]cbg`Zfca `h\Y]f`k YY\_`mfYUX]b[ g`Zcf`h\Y Vći fgY"'H\Y`dcfhZc`]c`]g`U`fYWcfX`cZghi XYbhgfidfYdUfUh]cb`Zcf`WUgg`YUW\`k YY\_"

Ghi XYbhgʻk ]```k f]hYʻUgʻUʻa ]b]a i a '\*ʻl '' \$\$!k cfXʻfYUX]b[ 'gi a a Uf]YgʻUbXʻhYl hi U``UbU`mg]gʻUgʻk Y```UgʻU

&\$\$!kcfX`fYZYWfjcb`cb`h\Y`fYgYUfW\`dcfh7c`]c`]hgY`Z

H\Y'k f]hYb'Zcfa 'cZh\Y'dcfhZc`]c']g'`Ygg'Zcfa U`'h\Ub'Ub'YggUmUbX'a UmVY'U'a ]L'cZdfcgY'UbX'Vi ``Yhdc]bhg"

H\]gʻdcfhZc`]cʻfYei]fYgʻghiXYbhgʻhcʻfYZYWhicbʻh\Y]fʻckbʻYUfb]b[ʻ]bʻh\YʻWcifgYʻUbXʻ\ckʻUggYggaYbhiHUg\_gž ]bWiX]b[ʻh\YʻfYgYUfW\idcfhZc`]cʻ]hgY`ZzaUmiWcbhf]VihYʻhcʻh\]g"

: YYXVUW\_`]g`k f]hhyb`UbX#cf`cfU`"`

@Yb[ h\ ]g'Uddfcl "`&\$\$\$ k cfXg

#### 5XX]h]cbU``XYHJ]`g.

8YHJ]YX`]bghfi Wf]cbg`k]``VY`Uj U]`UV`Y`cb`A ccX`Y`

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h\fci [ \`Hi fb]h]b`UbX`ghi XYbhg`Xc`bchgYY`Hi fb]h]b g]a ]`Uf]hmifYdcfhg"

5ggYgga Ybh' . '9ggUm

GHUfhXUHY. Bch5dd`]WUV`Y

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

#### 8YHJ]`g.

H\]g`]g`h\Y`Z]bU``UggYgga YbhHUg\_`Zcf`UHhYbXUbWY`di fdcgYg"`: YYXVUW\_`]g`k f]hhYb`Wca a Ybhg`UbX`cf`U a Uf\_]b[`g\YYh

A U'cf'YggUmcb'U'\_YmZ][i fY'cf'h\Ya Y']b'h\Y'Wci fgY"

&&\$\$`k cfXg

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

8YHJ]YX`]bglfi Wf]cbg`k ]``VY`Uj U]`UV`Y`cb`A ccX`Y`

## 5 HYbXUbWY FYei ]fYa Ybhg

Ghi XYbhgʻUfYʻghfcb[`mYbWci fU[YX'hcʻUhhYbX'U```WUggYgʻUbX'fYj]Yk ``YWhi fYʻfYWcfX]b[g"

## 7 ci fgY GWX YXi `Y

### <u>J]Yk WUgg'hja YHJV`Y</u>

## H]a YHJV`Y'

8 UhY	Hmd Y	7 cbhYbh
K_YY_`%`%) ': YVfi Ufm'!`%-	@YWhifY	H\Y`8]gYbW\UbhaYbhcZBUhifY
: YVfi Ufm		
		Zcf`fYUX]b[g`UbX`Zifh\Yf`]bZcfaUh]cb`gYY`accX`Y `YWhifY`cih]bY`UbX`fYUX]b[``]gh
I	I	l l

	@YWhifY	BUhi fY`UbX`F Ygdcbg]V]`]hm
5df]`		Zcf`fYUX]b[g`UbX`Zifh\Yf`]bZcfaUh]cb`gYY`accX`Y
		YWhi fY ci h]bY UbX fYUX]b[ ``]gh

## FYgci fWg

### DfYgWf]VYX F Ygci fWfg

GYY'A ccX`Y'dU[Y'Zcf'XYHJ]`g

### FYWca a YbXYX<sup>-</sup>FYgci fWYg

GYY'A ccX`Y'dU[Y'Zcf'XYHJ]`g

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

: YYXVUW\_'Zcf'h\]g'Wdi fgY'k]``VY'[Uh\YfYX']bZcfa U``mih\fci [\ci h]hg'Xi fUh]cbž'UbX'Zcfa U``mUhih\Y'YbX j]U'a m9I dYf]YbWY''`=Ua 'U`k Umg'\_YYb'hc`\YUf'Zfca 'mci 'k\Uhik cf\_g'UbX'k\UhiXcYg'bchž'YgdYWJU``mUg'h\]g ]g'U'bYk 'Wdi fgY''8c'bch\Yg]fUhY'hc'WdbfUWha Y'k]h\'UbmWda a Ybhg'cf'ei Yf]Yg''

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb[ 'hc'gi Va ]hmci f'Ugg][ ba YbhN fci [ \ 'Hi fb]hjbžd'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'fl \*) 'XUmg'U'mYUfŁ'' Zmci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi `hk ]h\'Hi fb]hjb'mci 'a UmUdd`mZcf'Ub'YI hYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU'`Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁhc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhmci f'YI hYbg]cb'Udd`]WUh]cb'' Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfžVi h]Zmci 'hY`Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZWU``mUg\_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUh'g'cb'Hk ]hYf"

; YbYfU`mžUggYgga YbhHUg\_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 Ybh'`=b`]bgHUbWfg`k \YfY`h\]g`]g`bchdcgg]V`Yž`]hk ]```VY`gHUhYX`cb`mci f`Wci fgY**'**g`A ccX`Y`g]hY`k ]h\ U`hYfbUh]j Y`gi Va ]gg]cb`XYHU]`g"

: cf`]bZcfa Uh]cb`cb`\ck `hc`gi Va ]hUgg][ ba Ybhg`cb`]bY`j ]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccX`Y

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

D`U[]Uf]ga `]g`i g]b[ 'H\Y`k cfXg`cf`]XYUg`cZcH\Yfg`UbX`dfYgYbH]b[ 'H\Ya `Ug`mci f`ck b"`=h\Wb`HU\_Y`a Ubm Zcfa gžZīca `XY`]VYfUHY`W\YUH]b[ 'hc`UWV]XYbHU``mWcdm]b[ 'Zīca `U`gci fW'`k ]H\ci hUW\_bck `YX[ Ya YbH'

I BGK '[fci dg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck ]b[ 'WUhY[cf]Yg.

i bXYfgHUbX\*mci f\*f][\hg\*UbX\*fYgdcbg]V]`]h]Yg\*Ug\*U\*gh XYbhUhI BGK

## 5₩UXYa]W=bZcfaUh]cb

: cf<sup>·</sup>YggYbhJU<sup>··</sup>gh XYbh<sup>·</sup>]bZcfa UhJcb<sup>··</sup>fY<sup>·</sup>UhJb[<sup>··</sup>hc.

• fYei YghgʻZcfʻYl hYbg]cb/