

# **ARTS2123**

Aig]WU`gž'8UbWY`UbX`Dcdi`Uf'7i`hifY

# 7ci fgY<sup>\*</sup>Cj Yfj ]Yk

# GHUZZ:7cbHUWh8YHJ]`g`

## 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
>cbUh\Ub^6c``Yb	5			\$&'-',)
		cℤ]WY`\cifg	K YVghYf"&(*8	\$+%-

## @YWhifYfg

B Ua Y	9a U]`	5j U]`UV]`]lm	@cWJhjcb	D\cbY
9f]b~6fUbb][ Ub	Y"VfUbb][ Ub4 i bgk "YXi "Ui	GYY'a ccX`Y'Zcf	FcVYfh	\$&`-',)
		cℤ]WY`\cifg	KYVghYf*‰	+, ) (

## $\hbox{\it GSWARG} @ 7007 \hbox{\it ID} @ 1000 \hbox{\it ID} @ 10000 \hbox{\it ID} @ 1000 \hbox{\it ID} @ 100$

Fcca " %&ž`Yj Y`" FcVYfhK YVghYf'6i ]`X]b[

D\cbY.'f\$&Ł'-',)'(,)\*

9a U]`. 'g<u>Ua 4 i bgk "YXi "Ui</u>

## 7ci fgY 8YHJ] g

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

### Gi a a UfmcZh\Y 7ci fgY

Gi VYWh5fYU. FZWSfdWS` V BWdYad\_ S` UWE fgV [We H\]g'Wci fgY WUb 'U'gc 'VY 'ghi X]YX']b 'h\Y'Zc``ck ]b[ 'gdYW]U']gUh]cb. '? WW[Sł 5 g'fgdWS` V FWUZ` a 'aYk

H\]g`]g`U`Wci fgY`UVci hdcdi `Uf`dYfZcfa UbW\`]b`WcbHYa dcfUfmW`hi fY"`Mci `k ]````YUfb`UVci h`]j Y
YbHYffu]ba YbhUWfcgg`a YX]U`UbX`h\Y`Uffg`]b`U`k ]XY`fUb[Y`cZ[YbfYgž]bWi X]b[`a i g]WU`gžXUbW\žWca YXmž
ZYghjj U`g`UbX`dUfUXYg"`K ]h\`YUW\`[YbfYžmci `k]``YI d`cfY`k\YfY`]h\\Ug`Wca Y`Zfca žk\c`]h`UddYU`g`hcž'UbX\ck `]h`]g`dYfZcfa YX`]b`ci f`W``hi fY`hcXUm'`H\Y`U]a `]g`hc``YUfb`\ck `W``hi fU``]bXi ghf]Yg`dfcXi W\``]j Y
YbhYffu]ba Ybhk ]h\`k ]XYgdfYUX`UddYU`"`H\]g`Wci fgY`]g`dUfhcZh\Y`H\YUhfY`UbX`DYfZcfa UbW\`Gh X]Yg
qhfYUa "``#\Wb'U`qc`VY`qh X]YX`Uq`dUfhcZA YX]Už`7 i `hi fY`UbX`HYW\bc`c[m'

### 7 ci fgY @YUfb]b[ Ci hWca Yg

- %" 8 ]gW gg dcdi `Uf dYfZcfa UbW `UbX`h\Y`WcbhYl hg`]b`k\]W\`]h]g`dfcXi WYXž'dYfZcfa YX`UbX`Wcbgi a YX &" 9 I d`U]b`h\Y`\]ghcf]WU``lfUX]h]cbgž'WcbhYa dcfUfmWcbj Ybh]cbg`UbX`W``hi fU``dc`]h]Wg`cZdcdi `Uf dYfZcfa UbW
- ' " 7 cbglfi WiUb Yj ]XYbW!VUgYX Uf[ i a YbhUVci hh\Y g][ b]ZJWJbW cZdcdi `Uf'dYfZcfa UbW ]b WcblYa dcfUfmW `hi fY
- (" +bH/[fUHY'gWkc`Uf`m'UbX'WfYUH]jY'fYgYUfWk']bhc'dcdi`Uf'dYfZcfa UbW'UbX'UWWgg'fYgcifWg ]bXYdYbXYbhm

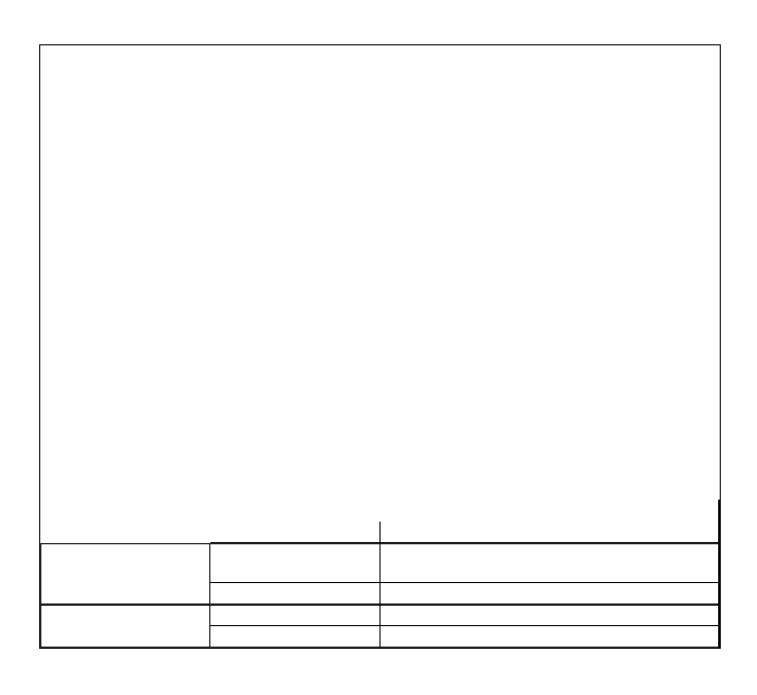
## HYUWX]b[ GhfUhY[]Yg

Ghi Xmjb[ 'dcdi 'Uf'W' 'hi fY'UbX'']j Y'dYfZcfa UbW'']g'Ub']a dcffUbhidUfhcZi bXYfgfUbX]b[ 'h\Y'WcbhYa dcfUfm k cfXž'UbX'fYei ]fYg'U'a ]l hi fY'cZX]ZZYfYbhUWhj ]hJYgžgca Y'hYUWXYf!X]fYWhYX'UbX'gca Y'gY`Z\X]fYWhYX'''H\]g Wci fgY'i gYg'U'Wca V]bUhJcb'cZ`YWhi fY#dfYgYbfUhJcbg'UbX'hi hcf]U'g''-\(\frac{1}{2}\)UXX]hJcb'hc'h\]g'ghi XYbhg'UfY Yl dYWhYX'hc'k cf\_']bXYdYbXYbhmž'ci hg]XY'WUgg'hJa YžfYUX]b[ ž'dfYdUf]b[ ž'hU\_]b[ 'bchYgž'd'Ubb]b[ 'dfUWh]WU'UWhj ]hJYgž'YhW'H\YgY']bWi XY. '[ c]b[ 'hc'']j Y'dYfZcfa UbW'gž'fYUX]b[ 'UbX'fYZYWh]b[ 'h\fci [\\X]gW'gg]cb'UbX k f]hJb[ "'H\Y'YWhi fYg'UfY']bhYbXYX'hc''Umci hh\Y']ggi Yg'cZh\Y'k YY\_'UbX'gYhh\Y'U[ YbXU'Zcf'h hcf]U'X]gW'gg]cb''@YWhi fYg'dfcj ]XY'gca Y']bZcfa UhJcb'Vi h'UfY'Yl dYWhYX'hc'fYgYUfWX'Yl hfU'a UhYf]U'']b'dfYdUfUhJcb Zcf'WUgg'X]gW'gg]cb''H\Y'h hcf]U'g'UfY'cddcfh b]hJYg'Zcf'[ fci d'X]gW'gg]cb'UbX'fYZYWhJcb''

DYfZcfa UbWY`UbX`Dcdi``Uf`7i``hi fY`YI hYbXg`\_bck``YX[Y`cZdYfZcfa UbWY`ghi X]Yg`h\YcfmUbX`a Yh\cXc`c[m Wcj YfYX`]b`h\Y`[UhYk UmWci fgY`5F HG\%&%F YUX]b[`DYfZcfa UbWY`UbX`h\Y``Yj Y``&`WcfY`Wci fgY`5F HG&\%%F YUX]b[`DYfZcfa UbWY`UbX`h\Y``Yj Y``&`WcfY`Wci fgY`5F HG&\%%F YUX]b[`DYfZcfa UbWY`Ghi X]Yg"'=hYl hYbXg`h\Y`W`ff]W``U`cZh\YgY`Wci fgYg`Vm ZcW`g]b[`cb`dcdi``Uf`dYfZcfa UbWYžWcbg]XYf]b[`h\Y`dcdi``Uf`U`cb[``U`Wcbh]biia `cZgcW]U`žW``hi fU``UbX UYgh\Yh]WYj Ybhgž`UbX`]bhY[fUh]b[``gY`ZfYZYI]j Y`UbX`dYfZcfa Uh]j Y``YUfb]b[``UbX`hYUW\]b[``ghfUhY[]Yg`]b`Vch\dYXU[c[mUbX`UggYgga Ybh'

k cf\_"'9UW\'ghi XYbhik ]``'U`gc`Wca d`YhY`'U'dYYf`fYj ]Yk "Fi Vf]W]bX]WUh]b[ '`'Yj Y``cZdYfZcfa UbWY`U[ U]bghYUW\
UggYgga Ybh'Wf]hYf]Užk f]hhYb`gi a a Uh]j Y`ZYYXVUW\_ž'UbX`dYfWYbhU[ Y`[ fUXYH\]g`]g`h\Y`Z]bU``UggYgga Ybh
hUg\_"'

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



## F Ygci fWyg

#### DfYgWf]VYX F Ygci fWfg

#### FYei ]fYX fYUX]b[ g

5```fYei ]fYX`fYUX]b[g`UfY`Uj U]`UV`Y`]b`h\Y``]VfUfmik ]h\```]b\_g`Zfca `A ccX`Y"`Gca Y`gci bX`UbX`j ]XYc fYVcfX]b[g`UfY`U`gc`Uj U]`UV`Y`cb`]bY"`

Mci 'UfY'YI dYWYX'hc'df]bhci hcf'a Uf\_'i d'U'X][]hU`'WcdmcZh\Y'fYUX]b[g'Zcf'YUW\'k YY\_'UbX'Vf]b['h\Ya 'hc WUgg"'=Zmci 'Xc'bch'Uff]j Y'Uhih hcf]U`g'dfYdUfYX'fk]h\'Yj]XYbWY'cZa Uf\_YX'i d'fYUX]b[gŁ'h hcfg'fYgYfj Y'h\Yf][\hhc'a Uf\_'mci 'Ug'UVgYbh'Zcf'h\Uhk YY\_"'

=Z`]b\_g`hc`h\Y`fYUX]b[g`]b`A ccX`Y`Xc`bchk cf\_ž'mci 'UfY`YI dYWYX`hc`gci fWY`h\Y`fYUX]b[`X]fYWhmZfca 'h\Y`]VfUfmWUhU`c[i Y`cf`XUhUVUgY`mci fgY`ZUbX`]bZcfa 'h\Y``YWh fYf`]a a YX]UhY`mih\Uhih\Y``]b\_`]g`bchk cf\_]b[" 6fc\_Yb``]b\_g`UfY`bchUb`YI W'gY`Zcf`bch\Uj ]b[`gci fWYX`UbX`fYUX`h\Y`fYUX]b[g`mci fgY`j Yg"

#### FYWca a YbXYX FYgci fWyg

#### FYgYUfWX Zi fh\Yf

Gi [ [ Ygh]cbg'Zcf'Z fh\Yf'fYgYUfW\]b'h\Y`]VfUfm'UbX'cb`]bY'UfY']bWi XYX']b'h\Y'Wci fgY'WcbhYbH''Wci 'Wb'i gY h\YgY'Ug'gHUffhb[ 'dc]bhZcf'fYgYUfW\]b[ 'mci, f'YggUm'UbX'Ug'Z, fh\Yf'fYUX]b[ 'cb;hcd]Wg'mci 'Z]bX fh\Yf'fYgYUfW\'UfY'bch'UJ'UV'Y cb`]bYz'h\Yma Um'VY'Vcffck YX'Zfca h\Y']VfUfm-'U`]b\_'hc'h\Y`]VfUfmfYWcfX']g'dfcj ]XYX'Zcf'h\YgY''

 $H\Y'']VfUfmcZZYfg'fYgcifWYg']b'U'jUf]YfmcZZcfaUfg'-cb']bY'Uff]WYgz'df]bfYX'Vcc\_gz'XjX'fYWcfX]b[g'UbX']b'U'jUf]YfmcZZcfaUfg'-cb']bY'Uff]WYgz'df]bfYX'Vcc\_gz'XjX'fYWcfX]b[g'UbX']b'U'jUf]YfmcZZcfaUfg'-cb']bY'Uff]WYgz'df]bfYX'Vcc\_gz'XjX'fYWcfX]b[g'UbX']b'U'jUf]YfmcZZcfaUfg'-cb']bY'Uff]WYgz'df]bfYX'Vcc\_gz'XjX'fYWcfX]b[g'UbX']b'U'jUf]YfmcZZcfaUfg'-cb']bY'Uff]WYgz'df]bfYX'Vcc\_gz'XjX'fYWcfX]b[g'UbX']b'U'jUff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'U'jUff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'U'ff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'U'ff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'U'ff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'Uff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'Uff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'Uff]WYgz'df]bfYX'Vcc_gz'XjX'fYWcfX]b[g'UbX']b'Uff]WYgz'YcfX'fYWcfX]b[g'UbX']b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX]b'Uff]WYgz'YcfX'fYWcfX'fYWcfX]b'Uff]WYgz'YcfX'fYW$ 

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'UthYa dr]b[ 'rc'gi Va ]hmci f'Ugg][ ba Ybht\fci [ \'Hi fb]r]bž'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'fl \*) 'XUmg'U'mYUft'''#c'ici
UfY'i bUV'Y 'rc'gi Va ]hmci f'Ugg][ ba YbhXi Y'rc'U'ZJi 'hk ]h\'Hi fb]r]b'mci 'a Um'Udd'mZcf'Ub'YI hYbg]cbž'Vi hmci
a i ghfYhJ]b'mci f'r]WYhbi a VYf'Zfca '9I hYfbU''Gi ddcfhfU'cb[ 'k ]h\'Ubmch\Yf'fY'Yj UbhXcW a Ybfgt'rc
]bWi XY'Ug'Yj ]XYbWY 'rc'gi ddcfhmci f'YI hYbg]cb'Udd']WUh]cb'''#mci 'Ya U]''9I hYfbU''Gi ddcfhmci 'k ]'`
Ui hca Uh]WJ''mfYWY]j Y'U'r]W\_Yhbi a VYfž'Vi h]Zmci 'hY'Yd\cbY'mci 'k ]'''bYYX'rc'gdYW]ZJWJ''mUg\_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUh' g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhiHug\_g'a i ghVY'gi Va ]hhYX'Y`YVWfcb]\W)``mij ]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh'' =b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk ]``'VY'gHJhYX'cb'mci f'\\ci fgY'g'A ccX`Y'g]hY'k ]h\ U`hYfbUh]j Y'gi Va ]gg]cb'XYhJ]`g''

cfi]bZcfa Uh]cbicbi\ckihcigi Va ]hUgg][ ba Ybhgicbi]bYij ]UiA ccXiY.i\hdg.#gh XYbh'i bgk "YXi "Ui #\ck! qi Va ]hUgq][ ba Ybha ccXiY

#### 5 WUXYa ]W = b Zcfa Uh cb.

: cf`YggYbhJU``gh XYbh`]bZcfa UhJcb`fY`UhJb[ 'hc.

- fYei Yghg Zcf Yl hYbg]cb/
- `UhY`gi Va ]gg]cbg`[i ]XY`]bYg/
- fYj ]Yk 'cZa Uf\_g/
- I BGK '< YU`h\ 'UbX'GUZYhm'dc`]W[Yg/
- YI Ua ]bUhcb dfcWXi fYg/
- gdYWJU``Wcbg]XYfUhJcb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]mUbX X]gUV]`]m/
- UbX'ch\Yf'YggYbhJU`'UWUXYa ]W]bZcfa UhJcbž'gYY

\hdg.#k k k "Uffg"i bgk "YXi "Ui #W ffYbhgh XYbhg#UWJXYa ]W]bZcfa Uf]cb#dfchcWc`g![i]XY`]bYg#

.

### a U[Y'7fYX]h

H\YUlfY UbX DYfZcfa UbW Gh X]YgžGWkcc`cZh\Y 5flg UbX A YX]UžI BGK

#### 7F = 7CG

7F = 7CG Dfcj ]XYf 7cXY. \$\$\$-,;