

# **ARTS1010**

H\Y'@]ZY'cZ'K cfXg

HYfa 'C bY''##'&\$&\$

## 7ci fgY 8YW] g

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

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

H\]g'Wci fgY'k]``YI Ua ]bY'h\Y'Zcfa 'cZh\Y'g\cfh'ghcfm': cW g]b[ 'cb'a cXYfb]gh'UbX'WcbhYa dcfUfm YI Ua d'Ygž'h\Y'Wci fgY'k]``YI d'cfY'h\Y'df]bW]d'Yg'h\Uh\Uj Y'g\UdYX'h\Y'XYj Y'cda YbhcZh\]g'Zcfa "'K Y'a Um Wcbg]XYfž'Zcf']bgh'UbW'z'h\Y']bZi YbW'cZ7\Y\_\cj 'UbX'\]g'UXj cWUwncZh\Y'ghcfm'Ug'U''''g']W'cZ^\ZYZ'''Z'9X[ Uf 5``Yb'DcYfg'UYgh\Yh]Wh\Ycf]Ygž'h\Y'XYj Y'cda YbhcZghfYUa 'cZWcbgW]ci gbYgg']b'fY`Uh]cb'hc'h\Y'g\cfh'ghcfm'zh\Y'i gY'cZYd]d\Ubm'UbX'UbhJ!Yd]d\Ubm'UbX'h\Y'Z bWf]cb'cZWca dfYgg]cb"'\dangle 'UXX]h]cb'k Y'k]``YI Ua ]bY hYWb]ei Yg'UbX'ghfUhY[]Yg'Wfi W]U`'hc'h\Y'gi WWgg'cZh\Y'Zcfa 'UbX'i gYZ ``hc'mci f'XYj Y'cda Ybh'Ug'k f]hYfgž ]bWi X]b[ 'dc]bhcZj ]Yk z'bUffUhJi Y'XYg][ bz'h\Y'XYj Y'cda Ybh'cZj c]Wf'UbX'h\Y'i gY'cZYWcbca mUbX gma Vc`]ga "'\dangle h\Y'`UhYf'dUfhcZh\Y'Wci fgY'k Y'k]``YI Ua ]bY'h\Y']bZi YbW'cZbYk 'hYW\bc`c[ mcb'h\Y'g\cfh ghcfm'z]bWi X]b[ 'h\Y'fY`Uh]cbg\]d'VYfk YYb'h\Y'g\cfh'gfcfm'UbX'h\Y'V`c[ 'UbX'h\Y'ffUbga ]gg]cb'cZh\Y'g\cfh ghcfm'z]bWi X]b[ 'h\Y'fY`Uh]cbg\]d'VYfk YYb'h\Y'g\cfh'gfcfm'UbX'h\Y'V`c[ 'UbX'h\Y'ffUbga ]gg]cb'cZh\Y'g\cfh ghcfm'h\fci [\'h\]hYf"K f]h]b[ 'YI YfW]gyg'k ]``VY'dfcj ]XYX'UbX'Yj YfmcbY'k ]``\Uj Y'h\Y'W\UbW''hc'k cf\_g\cd h\Y]f'k f]h]b[ 'YI YfW]gyg'k ]``VY'dfcj ]XYX'UbX'Yj YfmcbY'k ]``\Uj Y'h\Y'W\UbW''hc'k cf\_g\cd h\Y]f'k f]h]b[ 'YI YfW]gyg'k ]``VY'dfcj ]XYX'UbX'Yj YfmcbY'k ]``\Uj Y'h\Y'W\UbW''hc'k cf\_g\cd h\Y]f'k f]h]b[ 'YI YfW]gyg'k ]``VY'dfcj ]XYX'UbX'Yj YfmcbY'k ]``\Uj Y'h\Y'W\UbW''hc'k cf\_g\cd h\Y]f'k f]h]b[ 'YI YfW]gyg'k ]``VY'dfcj ]XYX'UbX'Yj YfmcbY'k ]``\Uj Y'h\Y'W\UbW''hc'k cf\_g\cd h\Y]f'k f]hYc'bY'X]gW gg]cb"

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

%" I bXYfgHJbX'h\Y'df]a Ufm'Y`Ya Ybhg'cZg\cfh'ZJ\Mjcb &" I bXYfgHJbX'U'j Uf]Yfm'cZ[YbfYg'UbX'Zcfa g']b'\WcbhYa dcfUfm']hYfUhi fY '" 8 Ya cbghfUhY'ZJa ]']Uf]mkk ]h\'j Uf]Uhjcbg'UbX'YI dYf]a Ybhg'k ]h\']b'h\Y'g\cfh'ghcfm'Zcfa (" 7 `YUf'm\Wca dcgY'k f]hhYb'hYI hg']b'9b[`]g\ ) " 7 f]h]\W\`mUddfU]gY'h\Y]f'ck b'k cf\_'UbX'h\Y'k cf\_'cZch\Yfg

## HYUWX]b[ GhfUhY[]Yg

@YWi fYg`k]``]blfcXi WY`ghi XYbhg`hc`U`fUb[Y`cZk f]h]b[ 'dfUWj]WYgža Yh\cXg`UbX`ghm`Yg":5 'df]a Ufm`U]a 'cZh\Y `YWi fYg`]g`hc`]a dUfh`U`\_bck `YX[Y`cZWfUZh!`k\Uh`hYW\b]ei Yg`UfY`]bj YbhYX`cf`Ya d`cmYX`]b`Ubm[]j Yb`d]YW\cZ`]hYfUhi fYžk\Uha U\_Yg`h\YgY`hYW\b]ei Yg`YZYWfj Y`UbX`k\mXc`k f]hYfg`gYhhY`cb`h\Y`hYW\b]WU``XYWJg]cbg h\Uh`h\YmXc3``K\Uh`]g`]bj c`j YX`]b`h\Y`WfYUh]j Y`dfcWYgg`UbX`\ck`Xc`mci `Uff]j Y`Uhh\Y`d`UWY`k\YfY`mci `WUbg\UdY`mci f`ck b`WfYUh]j Y`bUffUh]j Y3

H\Y`gYa]bUfg`k]``dfcj]XY`h\Y`cddcfhib]hmZcf`ff\&`Wf]h]WD``X]gWigg]cb`cZgYhiYI hg`UbX`f\&`dYYf`[fcid ZYYXVUW\_`cb`ghi XYbhfg`ck b`WfYUh]jY`k cf\_"`H\Y`gYa]bUf`k]````Uf[Y`mZ bWf]cb`Ug`U`WfYUh]jY`k f]h]b[k cf\_g\cd`UbX`k]```YbWcifU[Y`]bXYdYbXYbh`YUfb]b[`UbX`Wf]h]WD``fYZYWf]cb`cb`cbYfg`ck b`k f]h]b["=hk]```U`gc XYjY`cd`ghi XYbhgfii bXYfghUbX]b['cZh\Y`dfcWfgg`cZfYj]g]b[žYX]h]b[`UbX`dc`]g\]b['U'd]YWf`cZk cf\_"`H\Y gi WWfgg`cZh\Y`k cf\_g\cd`XYdYbXg`idcb`]bX]j]XiU``Yb[U[YaYbhk]h\`h\Y`kYY\_`maUhYf]U`/]hfY`]Yg`cb [fcid``YUfb]b['UbX`]h]g`YggYbh]U``h\UhYjYfmcbY`UWf]jY`mdUfh]W]dUhY`]b`YUW\kcf\_g\cd"

+b 'UXX]h]cb 'hc 'h\ Y 'ZUWY !hc! ZUWY 'WUggYgž'h\ YfY 'k]```VY 'ghfi Whi fYX 'cb`]bY 'WfYUh]j Y 'k f]h]b[ 'UWf]j ]h]Yg YUW\ k YY\_"''H\ YgY 'k]```VY 'XYg][ bYX ']b 'cfXYf'hc 'Z fh\ Yf'XYj Y`cd 'h\ Y 'ghi XYbhgfWfYUh]j Y 'dfc YWfg"

 $H\Y`UddfcUVX`cZ`YVWiffYfg`UbX`hihcfg`]b`h\Y`WcifgY`]g`[cjYfbYX`]b`[YbYfU``Vm]$ 

- ````h\Y]f`ck b`]bhY``YWi U``UbX'dUgg]cbUhY'Yb[U[Ya Ybhk]h\ k f]h]b[
- `````````\\Y]f`i bXYfgHJbX]b[ `cZWfYUh]j Y`k f]h]b[ `Ug`U`X]gW]d`]bY`k ]h\]b`h\Y`<ia Ub]h]Yg

@YWhifYfg"UbX"hihcfg"]b"h\Y"WcifgY"k]```difgiY"h\Y"WcifgY"U]ag"VmXc]b["gYjYfU``h\]b[g"Uacb["k\]W\"UfY.

# 5ggYgga Ybh

5 fYUgcbUV`Y`UhhYa dha i gh`VY`a UXY`hc`Z\``mWca d`YhY`U```UggYgga Ybhgž`ch\Yfk]gY`U`ZU]``[fUXY`a Um'VYUk UfXYX"

# 5ggYgga Ybh'HUg\_g'

5ggYgga Ybh'tUg_	K Y][ \h	8i Y'8UhY	

### $K f]h]b[ K cf_g cd!DYUgYgYYAccXYZcfZ fhYfXYhJ]g$

Hk c cf hkfYY ghi XYbhg k ]```\Uj Y hkY]f k f]hjb[ k cf\_g\cddYX ]b YUWk gYa ]bUf fUddfcl ]a UhY m%) a ]bi hYg YUWk!" 5 WUgg hja YhUV Y k ]``VY XfUk b i d ]b hkY ZjfghgYa ]bUf UbX YUWk ghi XYbha i ghdi hhkY]f bUa Y Xck b

GhUfh'XUhY.

@Yb[ h\." \$\$\$

8YHJ]`g. "\$\$\$`k cfX`g\cfhighcfmž: ]bU``5ggYgga Ybh'`Hi fb]h]b`gi Va ]gg]cbžgi a a Uhjj Y`ZYYXVUW\_ij ]U'hi fb]h]b 5XX]h]cbU``XYHJ]`g.

5ggYgga Ybh7f]hYf]U

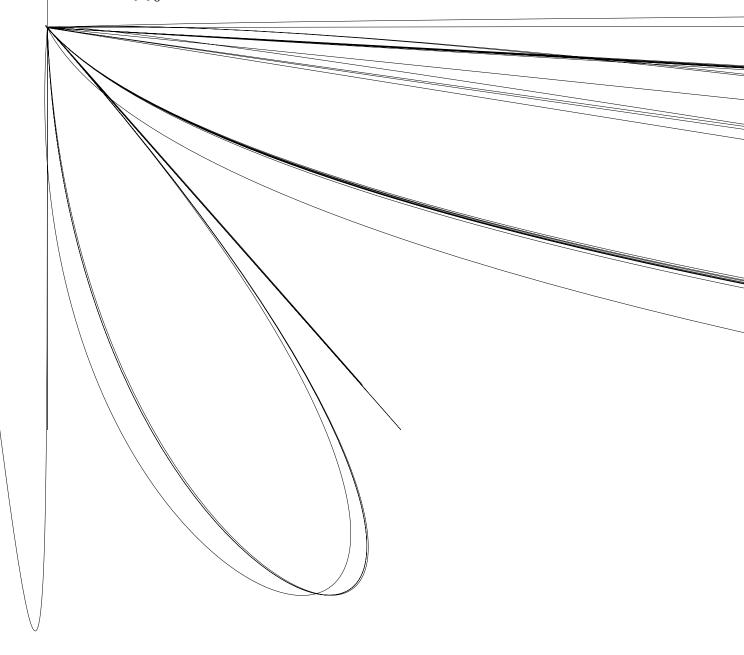
.

# F Yg¢i fWYg

# DfYgWf]VYX F Ygci fWYg

H\]g`]g`U`K YV`Gi dd`Ya YbhYX`Wci fgY"`7 ci fgY`fYUX]b[ g`g\ci `X`VY`Xck b`cUXYX`Zfca `A ccX`Y`S` V dW5V USdWYg^kz`Ch\Yf`fYUX]b[ g`a UmVY`UXXYX`Ug`U`gi dd`Ya Ybh'hc`h\Y`Wci fgY`k\]W\`ghi XYbhg`a Um`Z]bX`\Y`dZ` `" H\Y'c\b!`]bY'a UhYf]U``k ]```]bWi XY.

- WtifgY'ciĥ]bYkYY `mf''" k YY\_`mifYUX]b[g



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

D`U[]Uf]ga i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i±iWUbihU\_Yia Ubm Zcfa qžZfca iXYi]VYfUhYiW\YUh|b[ihciUVW]XYbhU`mWcdm]b[iZfca iUigci fWik]h\ci hiUW\_bck iYX[Ya Ybh'i

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

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a]`Uf'k cfXg'hc'h\Y'cf][]bU`hYl h'cf']XYU'k]h\ci h'UW\_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf\_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfcYWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k\YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k]h\ci h'WfYX]h'

⇒ Uddfcdf]UhY 'dUfUd\fUg]b[...7\Ub[]b[ 'U'ZYk 'k cfXg'UbX'd\fUgYg'k \]'Y 'a cghmfYhJ]b]b[ 'h\Y'cf][]bU` ghfi Wh fY 'UbX#cf'dfc[fYgg]cb'cZ]XYUg'cZh\Y'cf][]bU'žUbX']bZcfa Uh]cb'k ]h\ci hUW\_bck `YX[Ya Ybh'H\]g'U`gc Udd`]Yg']b'dfYgYbhUh]cbg'k \YfY'gca YcbY'dUfUd\fUgYg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci hWfYX]hUbX'hc d]YW]b[ 'hc[Yh\Yf'ei chYg'UbX'dUfUd\fUgYg']bhc'U'bYk 'k \c`Yžk]h\ci hUddfcdf]UhY'fYZYfYbW]b[ "

7 c``i g]cb. 'k cf\_]b[ 'k ]th 'cth Yfg'Vi hidUgg]b[ 'cZZth Y 'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'thc'Ubcth Yf'ghi XYbh'VYZcfY'th Y'Xi Y'XUHYZcf'Zcf'th Y'di fdcgY'cZth Ya

- i bXYfgfUbX mci f'f][\hg'UbX'fYgdcbg]V]`]hJYg'Ug'U'gh XYbhUhl BGK
- VY`Uk UfY`cZd`U[]Uf]ga ž`Wcdmf][\hz'l BGK `Gh XYbh7cXY`cZ7cbXi WhUbX`5VWWdhUV`Y`l gY`cZ I BGK `=\forall H`F Ygci f\W\g`Dc`]\m\m
- VY 'Uk UfY 'cZh\Y 'ghUbXUfXg 'cZVY\Uj ]ci f'Yl dYWYX 'cZYj YfmcbY ']b 'h\Y 'l BGK 'Wca a i b]hm
- `cWUHY 'gYfj ]WYg'UbX ']bZcfa UH]cb'UVci hI BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh\YgY'UfYUg'k]``VY'ZJa]`]Uf'hc'mci ž'ch\Yfg'k]``VY'bYk"'; U]b]b['U'gc`]X'i bXYfgHJbX]b['cZU``h\YfY`UhYX'UgdYWng'cZ9@+69'k]``\Y`d'mci 'a U\_Y'h\Y'a cghicZmci f'ghi X]Yg'UhI BGK "'\\hd.##qi VYWfi |XYg"`]VfUfm'i bqk "YXi "Ui #\`]qY#JVci hY`]qY