

# **ARTS1062**

<c``mk.ccX':]`a.'=0Xi.ghfmž'HYW\bc`c[mž'5Ygh\Yh]Wg

GYa YghYf Hk c \*\*#\*\*&\$%

# 7 ci fgY<sup>·</sup>Cj Yfj ]Yk

# `GHJZZ`7cbHJWh`8YHJ]`g`

### 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D∖cbY
>cX] <sup>-</sup> 6fcc_g	MVfcc_g4 i bgk "YXi "Ui		&' % K YVghYf 6i]`X]b[ fh\fci[\`h\Y [`Ugg`Xccfg`cb @YjY``&Ł	

# GWXcc`7cbHJWh=bZcfaUh]cb

Fcca" %&ž`Yj Y`' FcVYfhK YVghYf6i ]`X]b[

D\cbY.`f\$&Ł`-`,)`(,)\*

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

K YVg]hY. <u>\htdg.##gUa "Ufhg"i bgk "YXi "Ui</u>

H\Y'GW\cc``cZh\Y'5fhg'UbX'AYX]U'k ci `X``]\_Y'hc'FYgdYW2 ``m5W\_bck `YX[Y'h\Y'HfUX]h]cbU``7i ghcX]Ubgž h\Y'6YXY[U``f?Ybg]b[hcb'WJa di gŁź; UX][U``f7]hm'UbX'5fh/ '8Yg][b'7Ua di gYgŁ'UbX'h\Y'B[i bbUk U` dYcd'Y'f5i ghfU`]Ub'8YZYbW': cfWY'5WJXYa m]b'7UbVYffUŁ'cZh\Y``UbXg'k\YfY'YUW\'WJa di g'cZI\_BGK\_']g `cWJhYX"

### 5 HYbXUbW/FYei]fYa Ybhg

5 'ghi XYbh]g'YI dYWYX'nc'UhYbX'U```WUgg'WcbhUWh\ci fg'Zcf'U'ZJWY!hc!ZJWY'fI &: Ł'cf'V`YbXYX'Wci fgY'UbX Wca d`YhY'U```UWf]j ]h]Yg'Zcf'U'V`YbXYX'cf'Z ``micb`]bY'Wci fgY"

5 'gh XYbrik \c'Uff]j Yg'a cfY'h\Ub'%) 'a ]bi hYg``UhY'a UmVY'dYbU`]gYX'Zcf'bcb!UhhYbXUbVW'''=Zgi VX'U'dYbU'hm ]g']a dcgYXž'h\Y'gh XYbria i ghVY']bZcfa YX'j YfVU``m'Uh'h\Y'YbX'cZWUgg'UbX'UXj ]gYX']b'k f]h]b[''k ]h\]b'&( \ci fg''

ZUʻghi XYbhYI dYf]YbWYgʻ]`bYggža ]gUXj Ybhi fYʻcfʻch\YfʻcVWY ffYbWYʻh\Uha U\_YgʻUVgYbWYʻZfca ʻU WUgg#UWfjj ]hmi bUj c]XUV`Yžcf`YI dYWygʻhcʻVYʻUVgYbhZfca ʻUʻZcfh\Wca ]b[ ʻWUgg#UWfjj ]hmž'h\Ymg\ci `XʻgYY\_ dYfa ]gg]cbʻZfca ʻh\Yʻ7 ci fgYʻ5i h\cf]hmžUbXʻk \YfYʻUdd`]WUV`Yž'h\Y]f`fYei Yghg\ci `XʻVYʻUVWca dUb]YXʻVmUb cf][ ]bU`cf`WYfhJZJYX`WcdmcZUʻa YX]WU``WYfhJZJWUHYʻcf`ch\Yf`Zcfa ʻcZUddfcdf]UHYʻYj ]XYbWY"

5 '7 ci fgY '5 i h\cf]hma UmYI W gY Uʻgh XYbhZrca 'WUggYgʻcfʻUWAj JhYgʻZcfʻi dʻhcʻcbY a cbh\" < ck Yj Yfžh Ym a UmUgg][ bʻUXX]hJcbU``UbX#cfʻU`hYfbUhj YʻHUg\_gʻhcʻYbgi fY Wca d`]UbWY" 5 '7 ci fgY '5 i h\cf]hmWcbg]XYf]b[ 'h\Y [ fUbhJb[ 'cZUVgYbWY a i ghVY gUhJgZ]YX Uʻgh XYbhk ]``gh]``VY 'UV`Y hcʻa YYhh\Y Wci fgY'gʻ`YUfb]b[ 'ci hWca Yg UbX#cfʻj c`i a YʻcZ`YUfb]b[ "`5 'gh XYbhgYY\_]b[ 'Uddfcj U``hc`VY 'UVgYbhZcfʻa cfY`h\UbʻcbY`a cbh\`a i ghUdd`m ]bʻk f]hJb[ 'hc 'h\Y`8 YUbʻUbX'dfcj ]XY 'U``cf][ ]bU``cf`WfhJZ]YX 'gi ddcfhJb[ 'XcW a YbhUh]cb"

: cf'a cfY']bZcfa Uh]cb'UVci hh\Y'UhHYbXUbWY'dfchcWc`g']b'h\Y': UW `hmicZ5fhg'UbX'GcW]U`GW]YbVWg.'

#### 5WUXYa]W=bZcfaUh]cb

: cf`YggYbhJU``ghi XYbh`]bZcfa UhJcb`fY`UhJb[`hc.`fYei Yghg`Zcf`YI hYbg]cb/fYj ]Yk `cZa Uf\_g/cVWV dUhJcbU``\YU`h UbX`gUZYhm'YI Ua ]bUhJcb`dfcVWXi fYg/gdYVJU``Vbg]XYfUhJcb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a ]gUXj Ybhi fY/ ghi XYbhYei ]miUbX`X]gUV]`]mr'UbX`ch\Yf`YggYbhJU``UVUXYa ]W]bZcfa UhJcbž gYY`<u>\hhdq.#k k k "Ufhq"i bak "YXi "Ui #V ffYbhqhi XYbhq#UVUXYa ]W]bZcfa UhJcb#dfchcVb`q![i]XY`]bYq#</u>

# 7ci fgY<sup>·</sup>8YHJ]`g

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

# Gi a a UfmcZh\Y'7ci fgY

### GiVYWhi5fYU.8[^\_EfgV[We

H\]g`WcifgY`WUb`U`gc`VY`ghiX]YX`]b`h\Y`Zc``ck]b[`gdYW]U`]gUh]cb.`AYX]Už'7i`hifY`UbX`HYW\bc`c[m

H\Y'fk c``mk ccX': ]`a fWci fgY'cZY'fg'mci 'h\Y'cddcfh b]mhc'gh Xmh\Y'k cf`Xfg'a cghdck YfZ ``Z]`a `]bXi ghfm'i =h dfcXi Wrg'Ub`\]ghcf]WU`'UbX'WcbWrdh U``a Ud'cZh\Y']bgh]h h]cb'h\UhXca ]bUhYX'h\Y'[`cVU`'Z]`a `]bXi ghfm]b'h\Y k Ybh]Yh\'Wrbhi fmž'UbX'k \]W\'Wcbh]bi Yg'hc Xc'gc'hcXUm''=b'ZcW g]b[ `cb'W]bYa U'Ug'U'gcW]c!W `h fU``UbX YWcbca ]WZcfWrž'Vch\']b'h\Y'I b]hYX'GHUhYg'UbX'UWfcgg'h\Y'[`cVYž']hYI Ua ]bYg'\ck '<c``mk ccX'\Ug \]ghcf]WU``mdfcXi WrX'UbX'X]ghf]Vi h'X'U'dck YfZ ``W `h fU``]a U[ ]bUfm'UbX'XYj ]gYX'a Yh\cXg'hc YbWci fU[ Y Ui X]YbWrg'hc Wcbgi a Y']h''H\Y'Vci fgY'Wcbg]XYfg'<c``mk ccX'Ug'Ub'YUf'mYI Ua d`Y'cZU'[ Ybi ]bY'm[`cVU` ]bXi ghfmh\Uh]b]h]U``mgi ghU]bYX']hgY'Zh\fci [ \'h\Y']a d`Ya YbhUh]cb'cZU'fUb[ Y'cZ]bXi ghf]U`žYWcbca ]W W `h fU'ž`Y[ U`žei Ug]! Y[ U`ž'UbX']bXYYX']``Y[ U`Wcbj Ybh]cbg'UbX'dfUWf]Wrgž']'Y''ž'h\Y'ghUf`gmghYa ž'h\Y dfcXi Wf]cb'WcXZth\Y'gh X]c'gmghYa ž'h\Y'[ YbfY'gmghYa ž'a cbcdc`]gh]WdfUWf]Wrg``]\_Y'j Yfh]WU``]bhY[ fUh]cbž UbX'h\Y'7`Ugg]WU``<c``mk ccX'ghmY'cZf]`a a U\_]b[ "

# 5 hih\Y`WcbWig]cb`cZih\]g`WcifgY`h\Y`ghiXYbhik]```VY`UV`Y`hc

- %" 8Ya cbghfUhY`Ub`i bXYfghUbX]b[ `cZh\Y`<c``mk ccX`WjbYa U`]bXi ghfmUg`U`Vi g]bYgg`YbhYfdf]gY`UbX`U W`hi fU``d\Ybca Ybcb"
- &" 6Y`UV`Y`hc`]XYbh]Zmih\Y`ZYUhi fYg`UbX`df]bW]d`Yg`cZ7`Ugg]WU``<c``mk ccX`ghm`Y`Z]`a a U\_]b[`UbX Webh]bi ]mn`YX]h]b[`"
- ' " < Uj Y 'Ub i bXYfgHUbX]b[ 'cZH\Y'\]ghcfmcZ<c``mk ccX'WjbYa U'UbX'Ub Uk UfYbYgg'cZgca Y 'cZH\Y hYVXbc`c[]WU`ž'dc`]hJWU`'UbX'YWcbca ]WZUWcfg'H\Uh\Uj Y 'g\UdYX'H\Uh\]ghcfm'
- (" 6Y'UV'Y'hc`=bj Ygh][UhY'UbX'W]h]WU``mUbU`mgY'U'fUb[Y'cZUgdYWg'cZ<c``mk ccX'W]bYa U'UbX'dfYgYbh mci f'Z]bX]b[g']b'U'Wc\YfYbhžk Y```ghfi Wi fYXžk f]hHYb'Zcfa "

# HYUWX]b[ 'GhfUhY[]Yg'

: ]`a 'gWfYYb]b[g'dfcj]XY'f\Y'ZcW'g'cZf\Y'WcifgY'UbX'k]```HU\_Y'd'UWY'YUW\'kYY\_'UZhYf'h\Y'`YWfifY'': ]`a g \Uj Y'VYYb'gY`YWfX']b'cfXYf'hc'XYa cbghfUhY'\ck '<c``mk ccX'W]bYa U'\Ug'XYj Y`cdYX'f\fci[\ci ht\Y WcifgY'cZf\Y'fk Ybh]Yh\'WYbhifmž'hc']bhfcXi WY'ghiXYbhg'hc'k cf\_g'f\UhVYghYIYa d`]ZmXYj Y`cda YbhU``hfYbXgž h\UhghfUXX`Y'U'fUb[Y'cZ[YbfYgž'UbX'h\UhU``ck 'ghiXYbhg'hc'cVgYfjY'UbX'fYZYWfiidcb'W\Ub[Yg']b'f\Y <c``mk ccX'ghm`Y''

@YWMifYg`UfY`XYg][bYX`hc`dfcj]XY`U`WcbhYIhiZcf`Z]`a`\Y``YWMifY"c

`\]ghcf]WU``

ghi XYbhgʻhcʻdfUWhjWYʻdʻUbb]b[žhYUa k cf\_ʻUbXʻdi V`]WgdYU\_]b[ʻg\_]``g"'Hi hcf]U`gʻUfYʻh\i gʻXYg][bYX'hcʻYbgi fY h\Uhighi XYbhgʻXYj Y`cdʻh\YʻWUdUWjhmihcʻh\]b\_`]bXYdYbXYbhimUVci hih\YʻWci fgYʻa UhYf]U``UbXʻWca YʻhcʻWUgg UXYei UhY`mdfYdUfYX'hcʻX]gW ggʻ]h'

# 5ggYgga Ybh

#### <u>5GG9GGA 9BH H5G? G</u>

"5FHG%\$\*&`XcYg`bch\UjY`U`ZcfaU``YI Ua"`H\Y`h\fYY`UggYggaYbhHUg\_g`Zcf`h\]g`WcifgY`!!`]b!WUgg`kf]h]b[ HUg\_gžfYgYUfW\`HUg\_`UbX`YggUm!!``UfY`XYg][bYX`hc`XYjY`cd`mcif`\_bck`YX[Y`cZh\Y`giVYWicjYf`h\Y`WcifgY cZh\Y`gYaYghYf"`8YHU]`YX`]bZcfaUh]cb`UVcihYUW\`cZh\YgY`UggYggaYbhHUg\_g`]g`UjU]`UV`Y`cb`AccX`Y`UbX YUW\`UggYggaYbhHUg\_`k]``VY`X]gW ggYX`]b`h\Y``YWifY`g`chdf]cf`hc`]hg`giVa]gg]cb`UbX`h\YfY`k]``VY`: 5Eg UbX`Zcfiag`Zcf`YUW\`HUg\_`cb`AccX`Y"`

`Mci `a i ghWca d`YhY`UbX`\UbX`]b`U```h\fYY`UggYgga YbhHUg\_g`]b`cfXYf`hc`dUgg`h\]g`Wci fgY"`H\]g`a YUbg`h\Uh mci `k ]```ZJ]``]Zmci `Xc`bch\UbX`]b`cbY`HUg\_`Yj Yb`]Zmci `\Uj Y`U`hcHU``[ fUXY`cZcj Yf`) \$`Zfca `h\Y`ch\Yf`hk c Ugg][ ba Ybhg

H\Y'VYghk Umic'VY'dfYdUfYX'Zcfinci fiUggYgga YbhgiUbXihc'Wea diYhYih\Yaligi WWYggZi``mi]gihc'\_YYdii dihc XUhYik]h\iU```Wei fgY'`YUfb]b[iUWhjj]hjYgifKcinci fifYUX]b[gžUthYbX``YWhi fYgž'Wea Yihcihi hcf]U`gidfYdUfYXž`cc\_ Uhih\Y']bhfcXi Whjcbgihc'YUW\ihcd]WebiAlecX`YEUbXihcief[Ub]gYinci fihja Yik Y```'Zmei 'UfY'\Uj b[iX]ZJW`hm gdYU\_ihcimei fihi hefiefih\Y'Wei fgY'WebjYbefiUgigeeb'Ugimei 'WUb'!!'k Y'UfY'\YfYihe'\Yid"

#### 5HHYbXUbWY

Mci 'a i ghUfhYbX'U'a ]b]a i a 'cZ, \$i 'cZU```h hcf]U`g`ffc```k ]```VY'HU\_Yb'UhH\Y`gHUfhcZYUUX'WUggŁhc'VY fY[UfXYX'Ug`\Uj`]b['Z`Z]``YX'H\Y'fYei ]fYa Ybhg`cZH\Y'Wci fgY"'Mci 'UfY'U`gc'YI dYWfYX'hc'UhHYbX'U```YWfi fYg UbX`gWfYYb]b[g'UbX']Zmci 'WUbbchUfhYbX'U``YWfi fY'cf`gWfYYb]b['Zcf`gca Y`fYUgcb'mci 'bYYX'hc'Ybgi fY'H\Uh mci '\Uj Y``]gHYbYX'hc'H\Y'YWfi fY'fYWcfX]b['UbX'j ]Yk YX'H\Y'Z]`a 'df]cf`hc'mci f`h hcf]U``ffc```k]``'VY'HU\_Yb'Uh 'YWfi fYg'hc'\Y'd'Ybgi fY'H\UhYj YfmcbY']g'\_YYd]b['i d'hc'XUHY'k]H\'f\X'hc'L'

### 5ggYgga YbhHUg\_g

5ggYgga Ybh'tUg_	K Y][∖h	8iY'8UHY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
K f]h]b[ 'HUg_'	&\$1	K YY_'(`'hi hcf]U`g`f1% !%) h\ 5i [i ghŁ	%
F YgYUfW. HUg_	(\$1	%\$#\$-#&\$%`\$,.\$\$`DA	&ž
9ggUmi	(\$1	%) #%\$#&\$% `\$, .\$\$`DA	%ž ž(

### 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% K f]h]b[ HUg\_

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

@Yb[h\.&!' dU[Ygf]bVcc\_Yhz

**8YHU]`g**. `G\cfhWf]h]WU``fYUX]b[ `UbX`k f]h]b[ `HUg\_g`hc`HU\_Y`d`UWF`]b`WUgg/`]bX]j ]Xi U``ZYYXVUW\_`j ]U [ fUXYg\YYhž'[ YbYfU``ZYYXVUW\_'j ]U`Wci fgY`@A G

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

H\Y`ZJfghUggYgga YbhHUg\_`Zcf`h\]g`Wci fgY`]g`]b!WUgg`k f]h]b[`HUg\_g"`H\]g`UggYgga YbhHUg\_`HJ\_Yg`d`UWY`]b mci f`h hcf]U``]b`k YY\_`(`fh hcf]U`g`% !%) h\`5i [ i ghz"`H\Y`k f]h]b[`HUg\_g`UfY`VUgYX`Ufci bX`h\Y`fYUX]b[g`UbX Z]`a g`Zcf`k YY\_g`%' "`8YHJ]`g`UVci hih\]g`UggYgga YbhHUg\_`WUb`VY`Zci bX`cb`h\Y`Wci fgY`A ccX`Y"

Hifb]h]b`gYhh]b[.`

D`YUgY'a U\_Y'gi fY'mci `\Uj Y'ZJa ]`]Uf]gYX'mci fgY`Zfcf`fY!ZJa ]`]Uf]gYX'mci fgY`ZrWcffYWfUWUXYa ]W fYZYfYbW]b[ 'UbX'h\Uh'UfY'ZJa ]`]Uf'k ]h\'I BGK fgi'd`U[ ]Uf]ga 'dc`]WfiUg'dfcdYf`fYZYfYbW]b[ ']g'j Yfm]a dcfhUbh Zcfimci f'k cf\_"

\hndg.##ghiXYbh"ibgk "YXi "Ui #fYZYfYbWjb[

Gi Va ]gg]cb bch/g.9ggUmg hc VY gi Va ]hh/X Ug K cfX XcW a Ybhgž Xci V Y gdUW/X"

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"

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

Ghi XYbhgʻUfYʻYI dYWhYXʻhcʻdi hih\Y]fʻbUa YgʻUbXʻghi XYbhibi a VYfgʻcbʻYj YfmdU[YʻcZh\Y]fʻUgg][ ba Ybhgʻ

# 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 Ybhih fci [ \ 'Hi fb]hjbž'd'YUgY hY'Yd\cbY'9I hYfbU''Gi ddcfhicb'- ', ) '' ' '%cf'Ya U]`'h Ya 'cb'<u>Yl hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui</u>"'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`m'Zcf'Ub'YI hYbg]cbž'Vi 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 YbhgEhc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhimci 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 VYfž'Vi 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 'gfUhi g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhHUg\_g'a i ghVY'gi Va ]HHXYYYWfcb]WU``mj ]U'Y]H\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba YbH''=b`]bgHUbW'g'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''

# @UhY 5ggYgga Ybh DYbU h Yg

Gh XYbhgʻUfYʻfYgdcbg]VʻYʻZcfʻh\Yʻgi Va ]gg]cbʻcZUggYgga YbhHUg\_gʻVmh\YʻfYei ]fYXʻXUHYgʻUbXʻhJa Yg" 8YdYbX]b[ʻcZh\YʻYI hYbhcZXY`Um]bʻh\Yʻgi Va ]gg]cbʻcZUbʻUggYgga YbhHUg\_ʻdUghh\YʻXi YʻXUHYʻUbXʻhJa Yž

- K cf\_'gi Va ]hhYX '% hc '% 'XUng 'UZhYf'h Y'gh]di `UhYX XYUX`]bY'k ]``VY 'UggYggYX'UbX'ZYYXVUW\_ dfcj ]XYX'Vi hU'a Uf\_'cZnYfc'k ]``VY 'fYWcfXYX'' =ZhY'k cf\_'k ci `X`\Uj Y'fYWf]j YX'U'dUgg'a Uf\_'Vi hZcf h\Y``UhYbYgg'UbX'h\Y'k cf\_']g'U'Wca di `gcfmWci fgY'Wca dcbYbhf\i fX`Y'fYei ]fYa YbhZ'U'gh XYbhk ]`` VY'XYYa YX'hc`\Uj Y'a Yhh\UhfYei ]fYa Ybh/
- K cf\_'gi Va ]HYX'&\$'cf'a cfY'XUmg'UZHYf'H\Y'gh]di `UHYX'XYUX`]bY'k ]``bchVY'UWW/dHYX'Zcf UggYgga YbhUbX'k ]``fYWY]j Y'bc'ZYYXVUW\_Z'a Uf\_'cf'[fUXY''=ZH\Y'UggYgga YbhHUg\_']g'U'Wca di `gcfm Wca dcbYbhcZh\Y'Wci fgY'U'gh XYbhk ]``fYWY]j Y'Ub'I bgUh]gZJWcfm: U]`fI : E'[fUXY'Ug'U'fYgi `hcZ i bgUh]gZJWcfmdYfZcfa UbWY']b'Ub'YggYbh]U`'Wca dcbYbhcZh\Y'Wci fgY''

H\]g`]bZcfa Uh]cb`]g`U`gc`Uj U]`\$ %ofm % % %

# 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"`+i\WUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UVW]XYbhU``mWcdm]b[ 'Zfca `U`gci fWf`k ]h\ci hUW\_bck `YX[ Ya Ybh'

IBGK [fcidg'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 Yfmig]a ]`Uf`k cfXg`hc`h\Y`cf][]bU``hYI h`cf`]XYU`k ]h\ci hUW\_bck `YX[]b['h\Y gci fWY`cf`i g]b['ei chUh]cb`a Uf\_g"`H\]g`U`gc`Udd`]Yg`hc`]a U[Ygž`Ufh`UbX`XYg][b`dfc`YWngž`Ug`k Y```Ug dfYgYbhUh]cbg`k \YfY`gca YcbY`dfYgYbhg`Ubch\Yf`g`]XYUg`cf`k cfXg`k]h\ci hWfYX]h"

=ðUddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]`Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi WhifY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`žUbX`]bZcfa Uh]cb`k]h\ci hUV\_bck`YX[Ya Ybh`H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf<sup>\*</sup>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 ]h 'ch Yfg'Vi hdUgg]b[ 'cZh 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\_'hc'Ubch Yf'gh XYbhVYZcfY'h Y'Xi Y'XUHYžcf'Zcf'h Y'di fdcgY'cZh Ya d`U[ ]Uf]g]b[ 'UhUbmh]a Yž'dUm]b[ 'Ubch Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_žghYU`]b[ 'cf'UVei ]f]b[ Ubch Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[ ']hž'cZYf]b[ 'hc'Wca d`YhY'Ubch Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d`Yh]b[ 'UWUXYa ]Wk cf\_"

=ðUddfcdf]UhY`W]hUh]cb. 7]h]b[`gci fWYg`k \]W\`\Uj Y`bchVYYb`fYUXžk]h\ci hUW\_bck `YX[]b[`h\Y`~gYWcbXUfm´ gci fWY`Zfca`k \]W\`\_bck `YX[Y`cZh\Ya`\Ug`VYYb`cVhU]bYX"

8id`]WUh]cbffigY`Zd`U[]Uf]ga "Łigi Va]hh]b[imcifick bik cf\_ži]bik \ciYicfi]bidUfhžik \YfYi]h\UgidfYj]cigim VYYbidfYdUfYXicfigi Va]hhYXiZcfiUbch\YfiUggYggaYbhicfiWcifgYiUhi BGK icfiUbch\Yfib]jYfg]hm"

7 cffYWhfYZYfYbWjb[dfUWfjWYg.

- DUfUd\fUg]b[žgi a a Uf]g]b[žYggUmk f]h]b[ UbX h]a Y a UbU[ Ya Ybh
- 5ddfcdf]UHY i gY cZUbX UHf]Vi hcb Zcf UfUb[Y cZa UHYf]Ug ]bWi X]b[ 'HYI hz ]a U[Ygz Zcfa i `UY UbX WcbWYdhg"

=€X]j ]Xi U``Ugg]gHUbWF`]g`Uj U]`UV`Y`cb`fYei YghZica `H\Y`@YUfb]b[ `7 YbHY`f<u>\Hd.#k k k "`Wi bgk "YXi "Ui #</u>" Ghi XYbhg`UfY`U`gc`fYa ]bXYX`H\UhWUfYZ ``Ha Y`a UbU[ Ya Ybh']g`Ub`]a dcfHUbhdUfhcZghi XmUbX`cbY`cZH\Y ]XYbh]ZJYX`WUi gYg`cZd`U[ ]Uf]ga `]g`dccf`Ha Y`a UbU[ Ya Ybh'`Ghi XYbhg`g\ci `X`U``ck `gi ZZ]W]YbhHa Y`Zcf fYgYUfW\z`XfUZf]b[ `UbX`dfcdYf`fYZYfYbW]b[ `cZgci fWfg`]b`dfYdUf]b[ `U```UggYgga Ybh']HYa g"

IBGK '@]VfUfmU`gc`\Ugʻh\Y`9@&G9`hcc``UjU]`UV`Y`hc`Ugg]ghimci`k]h\`mcif`ghiXmUhIBGK "`9@&G9`]g XYg][bYX`hc`]bhfcXiWY`bYk`ghiXYbhg`hc`ghiXm]b[`UhiIBGK `Vih]hWUb`U`gc`VY`U`[fYUhfYZfYg\Yf`Xif]b[`mcif ghiXm"

7 ca d`Yh]b[ 'h\Y'9@=G9 'h hcf]U``UbX'ei ]n'k ]``YbUV`Y'mci 'hc.

- UbU`mgY`hcd]Wgž'd`Ub`fYgdcbgYg`UbX`cf[Ub]gY`fYgYUfW\`Zcf`UWUXYa]Wk f]h]b[`UbX`ch\Yf UggYgga YbhiHUg\_g
- YZYWIj Y`mUbX`YZJWJYbhmZbX`Uddfcdf]UhY`]bZcfa Uhjcb`gci fWYg`UbX`Yj U`i UhY`fY`Yj UbWY`hc`mci f bYYXg
- i gY`UbX`a UbU[Y`]bZcfa Uh]cb`YZYWh]jY`mhc`UWWca d`]g\`U`gdYW]Z]Wdi fdcgY
- VYHYfaUbU[Ymcifih]aY

ibXYfgHUbX`mcif`f][\hg`UbX`fYgdcbg]V]`]h]Yg`Ug`U`gh XYbhUhIBGK



# 7 ci fgY GWX YXi `Y

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

# H]a YHJV`Y'

8 UHY	Hmd Y	7 c bhYbh	
K YY_`%`&' `>i `m!`&- `>i `r	n@YWhifY	=blfcXiWijcbihcih\YWcifgY.K\YfY'UbXik\Uhijg <c``mk.ccx'wjbyau'ubx'\ck'ubxik\mixcikyighixm ]h3if⊳cX]i6fcc_gŁ</c``mk.ccx'wjbyau'ubx'\ck'ubxik\mixcikyighixm 	
	G₩YYb]b[	Gi ``]j Ub'g HfUj Y`g fGh f[ Ygž'% ( %L	
KYY_`&.'' \$`>i`m!`) 5i[igh	Hi hcf]U`	HCD=7 % =blfcXiWjcbgžcf]YbrUhjcbrch\Y WcifgY UbXX]gW gg]cbcZfYUX]b[ UbXZ]a Zfca kYY_%	
	@Y₩i fY	H\Y`f]gY`cZ <c``mk ccx`wjbya="" g`cz<br="" u`ubx`h\y`"[yb]i="">h\Y`gmghYa "`fbcX]`6fcc_gŁ</c``mk>	
	GWFYYb]b[	H\Y`G\Y]_`fA Y`ZcfXž`% &%L`UbX`j Uf]ci g`g\cfrg	
K YY_''* 5i[igh!'‰ 5i[igh	Hihcf]U`	HCD=7 & I bXYfghUbX]b[ h\Y XYj Y`cda YbhcZ < c``mk ccX'WbYa U	
	@YWM fY	<pre><c``mk ccx`]b`h\y`%-'\$g`ubx`h\y`]bhfcxiwn]cb`czh\y<br="">DfcXiWn]cb`7cXY.`; Ub[ghYfg`UbX`:U``Yb`K ca Yb fbcX]`6fcc_gŁ</c``mk></pre>	
	GWFYYb]b[	6`cbXY`JYbi g`f] cb`GhYfbVYf[ ž% ' &Ł	
KYY_`(.`%' 5i[igh!`% 5i[igh	Hihcf]U`	HCD=7 '' '/ '5ggYgga Ybh'hUg_'% 'k f]h]b[ 'hUg_g'!! ']b WUgg'UggYgga Ybh'hUg_g'' GYY A ccX'Y 'Zcf'XYhU]`g'	
	: ]Y`Xk cf_	91 W fg]cb. <c``mk ]yg*`<="" `[="" ccx`z]`a="" cj="" cyg`hc`h\y`a="" td=""></c``mk>	
		7 cifgY`hf]d`hc`FUbXk]₩_`F]m`Zcf`Ub`cdYb]b[`XUm gYgg]cb`cZGd]_Y`@YYfg`bYk`Z]`a`4^SU]]]^S`e_S`ž EWW? aaV1WXadVWfS[`e	
K_YY_`).`&\$`5i[igh!`&*	Hihcf]U`	HC D =7 '(.'6`UW`Ubga Ub'X]gW g]cb'	
5i [i gh	@YWhifY		

FYgci fWfg

K Y fY[i `Ufm[ Uh\YfZYYXVUW\_`cb`h]g'Wei fgY`Vch\`h\fci [ \`Zcfa U``a YUbg'fA m9I dYf]YbWfE'UbX`h\fci [ \ WUgg'UbX`cb`]bY`X]gW gg]cbžUbX`h]g`ZYYXVUW\_`]g`i gYX`hc`fYj ]gY`UbX`]a dfcj Y`h\Y`Wei fgY`YUW\`mYUf" K Y`i gY`h\]g`ZYYXVUW\_`hc`fYh]b\_`h\Y`ghfi Wi fY`cZh\Y`Wei fgY`UbX`]ng`WebhYbh'': cf`]bgHUbWfžghi XYbh ZYYXVUW\_`\Ug`YX`hc`W\Ub[]b[`h\Y`cfXYf`cZgca Y`hcd]Wg`fhc`Ugg]ghh\Y`i bXYfhgUbX]b[`cZU`hcd]Wef XYVUhYgEži dXUh]b[`fYUX]b[`g`UbX`fYgci fWfgžUbX`fYj ]g]b[`UbX`fYZ]b]b[`UggYgga YbhHUg\_g"''H\YfY`UfY`U'ZYk g][`bZ]WUbhW\Ub[`Yg`hc`5F HG%\$\*&'h\]g`mYUf"'H\Y`a U]b`W\Ub[`Y`]g`hc`h\Y`UggYgga YbhHUg\_g"''H\YfY`UfY`U'ZYk g][`bZ]WUbhZYYXVUW\_`Zca ``UghimYUf`k Y`\Uj Y`ghfYUa `]bYX`gca Y`cZh\Y`UggYgga Ybh!!''h\]g`\Ug`YbHU]`YX fYa cj ]b[`h\Y`Z]bU`YI Ua `UbX`fYd`UW]b[`]hk]h\`gca Y`fYgYUfW\`HUg\_g`Xi f]b[`h\Y`gYa YhgYf`h\Uhk]``\Y`d dfYdUfY`mci `Zcf`mci f`fYgYUfW\`YggUm`K Y`\Uj Y`U`gc`fYgdcbXYX`hc`U`fYei YghZcf`a cfY`cddcfhi b]h]Yg`Zcf gh`XYbhX]gW gg]cb`]b`WUgg''Hc`h\]g`YbX`h`hcf]U`g`k]``VY`XYj chYX`hc`k cf\_g\cdd]b[`]XYUg`UbX`XYVUHYg'' : ]bU`mž'h]g`mYUf`k Y`\Uj Y`U`gc`]bWi XYX`U`Wei fgY`U W`fg]cb''H\]g`YI W`fg]cb#]Y`X`hf]d`hU\_Yg`d`UWY`YUf`m]b h\Y`gYa YghYf`fk YY\_'('E'UbX`g\ci`X`dfcj ]XY`U`[`ccX`cddcfhi b]miZcf`dYcd`Y`hc`[`Yhhc`\_bck`YUW\`ch\Yf`U`V]h VYhYf`YUf`m]b`h\Y`gYa YghYf"

KY'k]``VY'Ug\_]b['U```cZmci'Zcf'ZYYXVUW\_'UhjUf]cig'dc]bhg'h\fci[\cihh\Y'gYaYghYf'UbX'jU`iY'mcif