

# ARTS2094

J ]gi U`7 ca a i b]WU]cb

HYfa `Hk c`#`&\$&\$



GWcc`cZH Y`5ftg`UbX`A YXJU`#`I BGK `5ftg`UbX`GcWU`GWYbWg

7ci fgY 7ci fgY Cj Yfj JYk

GHJZ 7cbHJW 8YHJ`g

7cbj Ybcfg

B Ua Y	9a U`	5j U]UV]m	@cW]hcb	D\cbY
@ci ]gY`F Uj Y`]	""fUj Y``]4 i bgk "YXi "Ui	W`bHJW]j ]U`Ya U]	W`bHJW]j ]U`Ya U]`UbX`gYY A ccX`Y`Zcf i dXUH`g	W`bHJW]j ]U`Ya U]


7ci fgY'8YHJ`g

7fYX]hDc]bHg`\*`

Gi a a UfmicZ\hY'7ci fgY

J]gi U`Wca a i b]WU]cb]b`WcbhYa dcfUfma YX]U`hmd]WU`mWca V]bYg`U`fUb[ Y`cZfYgci fWg`!`k f]hYbžj ]gi U`ž  
Ui fU`žgdU]U`"K Y`XYj Y`cd`U`gYhcZ\hY\Wb]ei Yg`UbX`ZUa Yk cf\_g`hc`UbU`mgY`hYgY`Wca d`YI`hYI hgž  
YgdYW]U`m`hY]fj ]gi U`Wca dcbYbHg`"K Y`k ]`Wcbg]XYf`U`fUb[ Y`cZ]a U[ Yg`UbX`hYI hg`UWfcgg`U`j Uf]YmicZ  
a YX]U`d`U`hčfa gž`Zca`bYk gdUdYfgž`UXj Yf]gYa YbHgž`a U[ Un]bYgž`hc`k YV`g]hYgž`UbX`W`h`i fU`cV`YWg`"K Y  
k ]`XYj Y`cd`U`\*[ fUa`a U`f`Zcf`UbU`nm]b[ `hYgY`hYI hg`UbX`hY`fc`Y`hY`md`Um]b`a U\_]b[ `a YUb]b[ ž]b  
dfcZ]gg]cbU`ž`di V`jWUbX`dYfgcbU`WcbhYI hg`"

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

%` ]XYbh]Zm`hY`\_Ymidf]bW]d`Yg`cZU`gcW]U`!gYa ]ch]WUddfcUWk`hc`hY`UbU`mg]g`cZj ]gi U`hYI hg  
&` gmg]hYa Uh]W]m`UbU`mgY`U`k ]XY`fUb[ Y`cZ`WcbhYa dcfUfmj ]gi U`hYI hg  
'`" Uf[ i Y`Zcf`Ub`]bhYfdYf]h]cb`cZ\hYgY`hYI hg`VUgYX`cb`hY`UbU`mg]g  
(`" g]h`UhY`UbX`W]h]ei Y`hYgY`hYI hg`]b`fY`Uh]cb`hc`gcW]U`ž`W`h`i fU`UbX`dfcZ]gg]cbU`WcbhYI hg`"

HYUWk ]b[ `GhfUHy[ ]Yg`

H\]g`Wci fgY`hYUWkYg`U`WcfY`gYhcZUbU`m]WU`g\_]`g`UbX`gc`YI`hY`bXYX`Y`W`h`fY`]bdi`h]g`Uddfcdf]UHy`"  
7YbhfU`]nYX`Y`W`h`fYgž]bW`i X]b[ `i`gY`cZj ]XYc`Wca dcbYbHg`UbX`fY`UhYX`Y`Ufb]b[ `cV`Y`Wgž`k ]`VY`i`gYX`hc  
a Ud`UbX`XYa`cbghfUHy`W`bhfU`WcbW`dHg`"5`h`hY`gUa`Y`h]a`Yž`hY`UbU`m]WU`hc`g`bYXX`hc`VY`Udd`]YX`hc  
UW`h`U`hYI hgž`UbX`YI`hY`bXYX`X]gW`gg]cb`]g`bYXXYX`hc`YI`d`cfY`Wca`d`YI`]hYgž`Y`bW`ZUW`!`hc`!ZUW`h`i`hc]f]U`h]a`Y  
]g`YggYbh]U`"Hi`hc]f]U`g`k ]`VY`i`gYX`hc`dfUW]W`hY`Udd`]WU]cb`cZ\hYgY`WcbW`dHg`hc`hYI`h`U`UbU`mg]g`UbX`hc  
XYj Y`cd`gh`XYbhgf]Uv`]h]Yg`hc`Uf[ i Y`Zcf`Ub`]bhYfdYf]h]cb`VUgYX`cb`UbU`mg]g`"

## 5ggYgga Ybh

H\YfY`UfY`h\FY`UggYgga YbhHug\_g`hc`Wta d`YH`"Mci`a`i`ghWta d`YH`UbX`UbX`]b`U`h\FY`Hug\_g`]b`c`f`X`Y`f`hc`d`Ugg`h`g`Wci`fgY`"H`]g`a`Y`Ubg`h`U`h`mci`k`j`ZJ`]Zmci`Xc`b`ch`UbX`]b`cbY`Hug`Yj`Yb`]Zmci`Uj`Y`U`h`h`U`[`f`U`X`Y`c`Z`c`j`Y`f`)`\$`Z`ca`h`Y`c`h`Y`f`h`k`c`U`gg][`ba`Y`bh`g`"

## 5ggYgga YbhHug\_g`

5ggYgga YbhHug_	K`Y][`h	8i`Y`8U`H`Y`	Gh`X`Y`bh`@`Y`U`fb`]b`[`C`i`h`W`ta`Y`g`5ggYggYX`
A`]b`]5b`U`mg]g`	&\$i	&&#*\$`#&\$&\$`\$`\$`\$`DA`	&Z`
A`U`c`f`5b`U`mg]g`	`\$i	%`#`\$`+`#&\$&\$`\$`\$`\$`DA`	&Z`z`(`
HU`Y`!\`ca`Y`9i`Ua`	)`\$i	h`W`%`(!`+`5i`[`i`gh`	%z&Z`

## 5ggYgga Ybh8YHJ]`g`

5ggYgga Ybh%`A`]b`]5b`U`mg]g`

GhUfhXUH`Y`B`ch`5`dd`]W`V`Y`

@Yb[`h`.)`\$\$\$`k`cfXg`

8YHJ]`g`.

;`f`U`X`Y`U`b`X`F`i`V`f`]W`V`m`H`i`f`b`h`b`"

7`c`Y`W`h`j`Y`Z`Y`X`V`U`W`\_`"

5XX]h]c`b`U`X`Y`H`J]`g`.

:`i`X`Y`H`J]`g`c`Z`h`Y`U`gg][`ba`Y`bh`k`j`V`Y`U`j`U`]U`V`Y`c`b`A`c`c`X`Y`"

Hi`fb]h]b`g`Y`h]b`[`.H`]\`g`U`gg][`ba`Y`bh]g`gi`Va`]h`X`h`f`ci`[`\`Hi`fb]h]b`U`b`X`g`h`i`X`Y`b`h`g`X`c`b`c`h`g`Y`Y`Hi`fb]h]b`g]a`]U`f`]m`i`f`Y`d`c`f`g`"

5ggYgga Ybh&.`A`U`c`f`5b`U`mg]g`

GhUfhXUH`Y`B`ch`5`dd`]W`V`Y`

@Yb[`h`.)%\$\$\$`k`cfXg`

8YHJ]`g`.

\$\$\$\$`k`cfXg`"

: YYXVUW\_j ]U'Hi fb]hb"

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

: i ``XYHJ]`g'cZkY`Ugg][ ba Ybhk ]`VY`Uj U]`UV`Y`cb`A ccX`Y"

Hi fb]hb`gYH]b[ .`H\]g`Ugg][ ba Ybh]g`gi Va ]H`X`h`fci [ \ `Hi fb]hb`UbX`ghi XYbtg`Xc`bchgYY`Hi fb]hb`g]a ]Uf]mfYdcftrg"

5ggYgga Ybh' .`HU\_`Y!\`ca Y`9I Ua

GHUfhXUH`.

@Yb[ h. `%) \$\$`k cfXg

8YHJ]`g.

HU\_`Y!\`ca Y`9I Ua ""

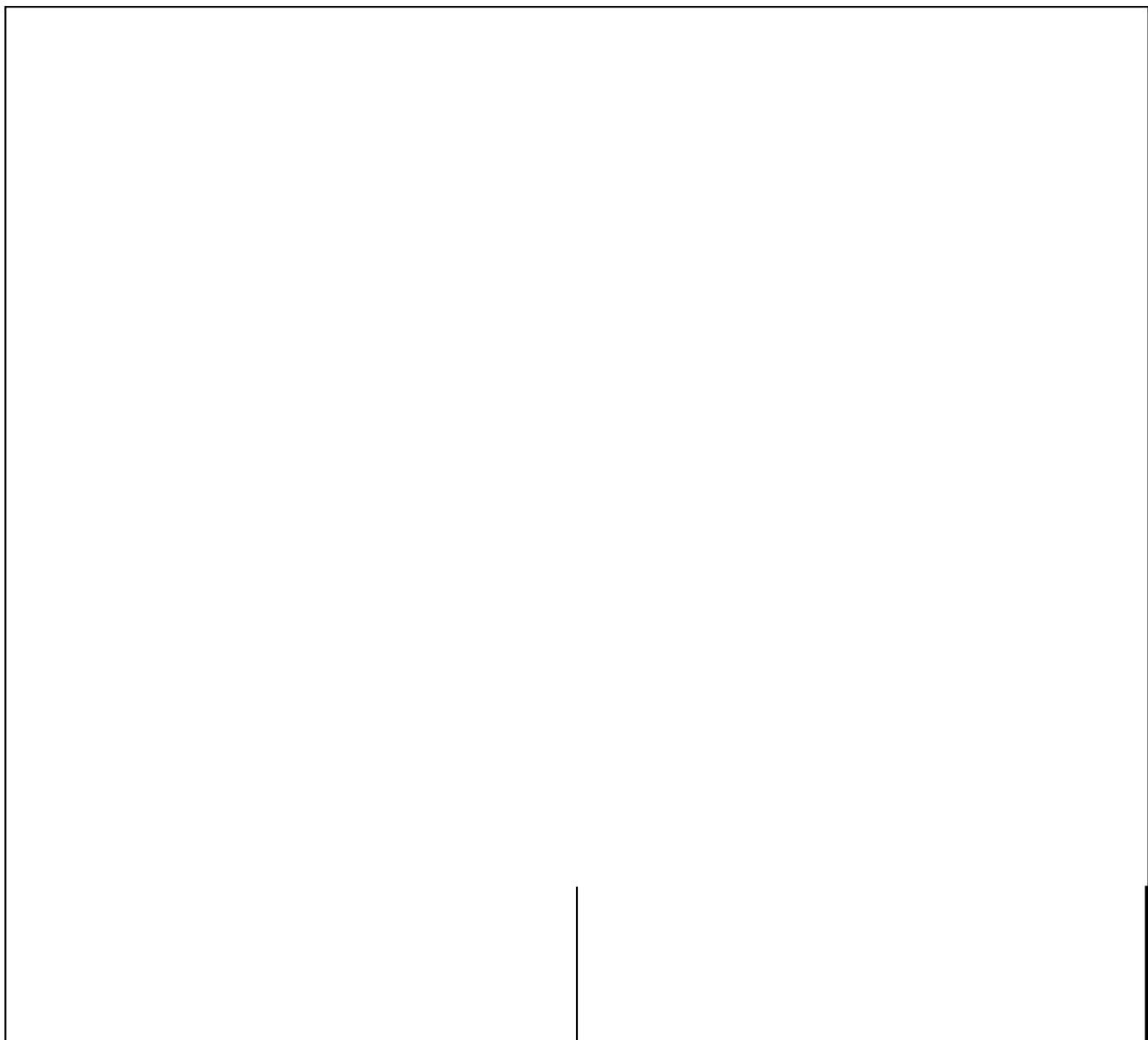
; fUXYX`cb`m"

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

9I Ua `k ]`VY" ` \ci fgfiXi fU]cb`UbX`k ]`VY`W`bhfU`mgWXYXi `YX`Xi f]b[ `h`Y`YI Ua `V`cW`%(!&+`5i [ i gh`Gh XYbtg`a i ghVY`Uj U]`UV`Y`Xi f]b[ `h`g`dYf]cX"

: i ``XYHJ]`g'cZkY`YI Ua `k ]`VY`Uj U]`UV`Y`cb`A ccX`Y"

Hi fb]hb`gYH]b[ .`H\]g`Ugg][ ba Ybh]g`gi Va ]H`X`h`fci [ \ `Hi fb]hb`UbX`ghi XYbtg`Xc`bchgYY`Hi fb]hb`g]a ]Uf]mfYdcftrg"



WUf]Z]WU]cb"

⊖HF C 8I 7H€B.

C i f'HYI hg. 'k \UhfUb[ Y'cZHYI hg'k ]'k Y'VY  
W€bg]XYf]b[ 3

C i f'UddfcUW. 'gcWU'gYa ]ch]Wg'UbX'gmgHYa  
bYtk cf\_g"

C i f'rc'g. 'a YUb]b[ g'UbX'a YHJZ bW]cbg/C i f  
ghUf]b[ 'dc]b]hg. 'XYbcH]cb'UbX'W€bbch]cb"

<p>K YY_ " .%) 'i bY! '%- &gt;i bY</p>	<p>@YWh fY</p>	<p>H\Y`bHfdYfgcbU`A YRUZ bWjcb. 'a cXU`]mUbX WcX]b[ 'cf]YbUjcb/UbX`YI HbX]b[ 'a cXU`]m]tc`bYk hYI hg"</p> <p>F 958-B; .`D@95G9`A 5? 9`GI F 9`MCI `F 958 H&lt; 9G9`69: CF 9`MCI `@GH9B`HC`H&lt; 9 @97HI F 9</p> <p>fV? fYgg/` J Ub`@Yi k Yb`f&amp;\$*\$`E`7\UdHf: 9/` UbX`5@GC`dd&amp;`&amp;!&amp;` )</p> <p>f&amp;L`@9; 5BHC`fi]b_j`]U`A ccX`Yk`F Uj`Y`z`@`UbX`j Ub @Yi k YbZ`H`f&amp;\$%`E`A cXU`]m]b`hY`8][`]U`5[`Y` H[egS^5a__g` [USf[a`!`%+`" z`dd&amp;+!&amp;`-`+`"</p> <p>fI`E`@9; 5BHC`fi]b_j`]U`A ccX`Yk`A VA`i`ff]Yz`F`cVYfh &gt;`&amp;\$%\$`6cVV]b[ `Zf`Dck`Yf.`Ub`YI`d`cfUjcb]b]tc`hY`</p>



		<p>F 958-B; .D@95G9'A 5? 9'GI F 9'MCI F 958  H&lt; 9G9'69: CF 9'MCI '@GH9B'HC'H&lt; 9  @97HI F 9</p> <p>fV&amp;@9; 5BHC'fl]b_j]U'A ccX'Y&amp; '? fYggZ; "'UbX'J Ub  @Yi k YbZ'H"%-, "'': fcbhdU[ Yg. fH\Y'7 f]h]W]L  5bU'mg]g'cZBYk gdUdYf@Umc i h]b'5''6Y''UbX'D"  ; UffYhifP'Xg&amp;'3bb&amp;aSUZWe fa ? W[S 6 [eUag&amp;W  C I ZcFX. 6'UW_k Y''dd% *!&amp;%-</p> <p>f&amp;L@9; 5BHC'fl]b_j]U'A ccX'Y&amp; '? bcl ž&gt;""&amp;\$ \$+  "J ]gi U!j YfVU'W&amp;a a i b]W]h]cb'cb'cb']bY'bYk gdUdYf  \ca Y'dU[ Yg""H[egS^5a__g` [USf[a`''*"%/  dd%!)' .</p> <p>fl'fC dh]cbU'L@9; 5BHC'fl]b_j]U'A ccX'Y&amp; '7cZ]bž  7''UbX'8YfYk ]Ub_Už6''&amp;\$ \$-''A i'h]a cXU''Umc i h]b  gW'cc''\]g]c'fmVcc_g.'h\Y'h]i h]f]b[ 'cZ\]g]c'f]W]  ]b]h'fd'fY]h]cb''']b'; "': cfYmUbX'; "H\ca dgcb'fP'Xg&amp;  F W] f'kbWS` V F W] fgdW'@cbXcb.'9ei ]bcl '  dd%-%&amp;%)</p>
<p>K YY_*. *&gt;i`m! %\$&gt;i`m`</p>	<p>@YWh fY</p>	<p>H&lt; G'G'MCI F F 958-B; 'K 99?"BC @97HI F 9  5B8'BC'HI HCF -5@G'H&lt; -G'K 99?"</p> <p>MCI F 'A 5&gt;CF '5B5@MG-G'K @@'69'8I 9  K 98B9G85M%)&gt;i @Mž) DA "</p>
<p>K YY_+. %&gt;i`m! %+&gt;i`m`</p>	<p>@YWh fY</p>	<p>@YWh fY</p> <p>H\Y F YdfYgYbh]h]cbU'A YH]Z bW]cb. 'bUffU]j Y  dfcW'ggYg</p> <p>F 958-B; .D@95G9'A 5? 9'GI F 9'MCI F 958  H&lt; 9G9'69: CF 9'MCI '@GH9B'HC'H&lt; 9  @97HI F 9</p> <p>fV&amp;? fYgg/ 'J Ub @Yi k Yb f&amp;\$ \$*L'7\UdhYf'HK C</p> <p>f&amp;L'fC dh]cbU'L@9; 5BHC'fl]b_j]U'A ccX'Y&amp; 'DU]bhYfž  7/A Ufh]bž&gt;"F /UbX'I bgk cflž@/f&amp;\$ \$% L'DWSV[ Y  H[egS^@SdbSf]hW&amp; ,; _SYW3` S'ke[e aX5Z[VdW ie  B [UfgdW4aa] e''@cbXcbž9ei ]bcl "'O \UdhYf" 'cb'mQ  7\UdhYf" 'fY'U]Yg'hc'h\Y'fYdfYgYbh]h]cbU'  a YH]Z bW]cb''h[ cYg]b]c'Z fl'Yf!'UbX'g][ \hm  X]ZYfYbh!'XYH]Z'Zca '? fYgg'UbX'j Ub @Yi k YbžVi h  ]g'k cfl' h\Y'YZcfl'Q</p>
<p>K YY_ , .&amp;\$&gt;i`m! '&amp;(&gt;i`m`</p>	<p>@YWh fY</p>	<p>H\Y F YdfYgYbh]h]cbU'A YH]Z bW]cb. 'W&amp;bW'dh U'  dfcW'ggYg</p> <p>F 958-B; .D@95G9'A 5? 9'GI F 9'MCI F 958</p>

H<9G9'69: CF9'H<9'@97HI F9

fV&? fYgg/ 'J Ub '@Yi k Yb 'f&\$\$\* L'7 \UdhYf'H< F 99

B 6. 'H\]g]g'U'fYU`mHC I ; < 'WUdhYf''K Y'k ]''ZcW g

cb 'hY 'VUg]WX]gh]bW]cb 'VYrk YYb 'bUffU]j Y'j g

WcbW'dh U'z'UbX'k ]h]b 'WcbW'dh U'z'VYrk YYbX]gh]bW]cb 'VYrk Y



F Ygci fWg

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`UgY`  
HY`Yd`\\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``'``%cf`Ya`Uj`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`f1`\*)`XUmg`U`mY`Uf2`Ʒmci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Zi`h`k`]h`Hi`fb]h]b`mci`a`UmUdd`m`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`  
a`i`ghfY`h]b`mci`f`h]W`Yhbi`a`VYf`Z`ca`9I`HYfbU`Gi`ddcfh`f`U`cb[`k`]h`Ubmc`h`Y`f`f`Y`j`Ubh`Xc`W`a`Yb`hg`L`hc`  
]b`Wi`XY`Ug`Y`j`]XYb`V`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W`h]cb`"Ʒmci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`j`  
Ui`hc`a`U`h]W`m`f`Y`W`j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Z`mci`HY`Yd`\\cbY`mci`k`j`b`Y`Y`X`hc`gd`Y`W`j`W`m`Ug`\_`Zc`f`cbY`  
Hi`fb]h]b`U`gc`d`fcj`]XYg`i`d`XU`h`g`cb`h`Y]f`gm`g`h`Ya`g`h`U`h`g`cb`Hk`]h`Y`f`"

;`YbYfU`m`z`UggYgga`YbhiHUg\_g`a`i`gh`VY`gi`Va`]h`Y`X`Y`Y`W`f`cb]W`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`cf`U`A`cc`X`Y`  
Ugg][`ba`Yb`h`h`b]bg`h`Ub`W`g`k`\\Y`f`Y`h`g`]g`b`ch`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`cb`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`\\ck`hc`gi`Va`]h`Ugg][`ba`Yb`hg`cb`]b`Y`j`]U`A`cc`X`Y`.\\`h`d`g`#`gh`XYb`h`i`bgk`"YXi`"Ui`#`ck`!  
gi`Va`]h`Ugg][`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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dYW'X'cZYj Yfmcby']b'h'Y'I BGK 'Wca a i b]m
- 'cWJh'gYfj ]W'g'UbX'j]bZcfa Uh'cb'UVci hl 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 bXYfghUbx]b[ 'cZU''h'Y fY'UH'X'UgdYW'g'cZ9@-G9'k ]''\Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hhd.##ji V'YW'i \]XYg"'\]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

## 5 WUXYa ]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `tc.

- fYei Ygth]Zc`f`Yl H`bg]cb/
- `Uh`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`G`\*