



# ARTS2242

HY'Dc`hWg`cZ7`ja UH`7\Ub[ Y

HYfa`Hk c`#`&\$%

7ci fgY`Cj Yfj ]Yk

`GHJZ`7cbhJW`i8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWjhcb	D\cbY

7 ci fgY'8YHJ`g

7 fYX]hDc]bHg`\*`

Gi a a UfmicZhY'7 ci fgY

Gi VYWh5fYU.'7` h[da` \_ W fS^: g\_ S` [fWé

7`ja UH'WXUb[ Y`]g'cZb'i bXYfgHcX'Ug'df]a Uf]mU'gWYbH]ZWcfYbj ]fcb a YbHU`dfcV'Ya` hUhfYei ]fYg  
YVé bca ]WcfHYWXbc`c[ ]WU`gc'i hcbg`"é`h`lg`Wéi fgY`k`Y`k`j`"YI d`cfY`ck`W]a UH'WXUb[ Y`]g`dYf`Udg`VYHYf  
i bXYfgHcX'Ug`U`gcW]U`z`W`h`fU`UbX`dc`]h]WU`d`Ybca Ybcb`k` \]W`]g`fYa U\_]b[ `h`Y`k`Um]`j`b`k` \]W`k`Y  
i bXYfgHUbX`ci`f`fY`U`hcbg`d`k`]h`h`Y`9`Uf`h`" <ck`k`Y`i`bXYfgHUbX`W]a UH`Z`k`Y`U`h`Y`f`z`b`U`h`f`Y`UbX`h`Y  
Ybj ]fcb a YbHfY`Wf`W]U`Z`c`f`i`bXYfgHUbX]b[ `Wé`b`h`Y`a`dcfUfm[ `cVU`k`Ufa ]b[ `UbX`ci`f`fYgdcbgYg`h`c`]h`K`Y  
k`j`"YI`Ua ]bY`h`Y`i`bXYf`m]b[ `dc`]h]Wg`cZW]a UH'WXUb[ Y`"Mc`i`k`j`"U`f`b`Y`f`U`Wé`b`W`d`h`U`UbX`a`Y`h`c`X`c`c[ ]WU`  
h`c`c`]h`Z`c`f`]b`h`f`d`f`Y`h]b[ `UbX`a`U\_]b[ `g`Y`bg`Y`c`Z`h`Y`gc`W]U`U`gd`Y`W`g`c`Z`W]a UH'WXUb[ Y`UbX`h`Y`c`Z`b`]b`h`bg`Y  
dc`]h]WU`Uf[ i`a`Y`b`h`g`h`U`h`g`i`f`f`c`i`bX`]h`H`Y`Wé`i`fgY`YI`d`c`f`Y`g`h`Y`h`]g`h`c`f`m`c`Z`W]a UH`g`W`Y`b`W`UbX`h`Y`a`c`f`Y  
f`Y`W`b`h`Y`a`Y`f[ `Y`b`W`c`Z`U`[ `c`V`U`Wé`b`g`Y`b`g`i`g`c`b`U`b`h`f`c`d`c[ `Y`b]W[ `c`V`U`k`Ufa ]b[ "`H`Y`Wé`i`fgY`[ `c`Y`g`c`b`h`c`  
Wé`b`g]X`Y`f`f`Y`W`b`h`k`c`f`\_`c`b`U`f`i`d`h`W]a UH'WXUb[ Y`Z`W]a UH`a`c`X`Y`]b[ `UbX`h`Y`dc`]h]Wg`cZW]a UH'WXUb[ Y  
UX`U`d`h`U`h`c`b`UbX`a`]h[ `U`h`c`b`h`Y`W`b`c`c[ ]Y`g`"H`Y`Wé`i`fgY`X`f`U`k`g`c`b`U`a`i`h`!`X]g`W]d`]b`U`f`m`Z`U`a`Y`k`c`f`\_`Z`c`f  
i`bXYfgHUbX]b[ `h`Y`gc`W]U`z`h`]g`h`c`f`]WU`UbX`dc`]h]WU`U`gd`Y`W`g`c`Z`W]a UH'WXUb[ Y`Z`k`]h`]b`g][ `h`g`Z`c`a`dc`]h]Wg`z  
gc`W]c`c[ m`z`UbX`g`W]Y`b`W`UbX`h`Y`W`b`]WU`g`h`X]Y`g`f`G`H`G`E`"Mc`i`k`j`"V`Y`]b`f`c`X`i`W`X`h`c`\_`Y`m`U`f`Y`U`g`c`Z`Wé`b`h`Y`a`dcfUfm  
g`W`c`U`f`m`h`]b\_]b[`]b`h`Y`Y`bj ]fcb a YbHU`i`a`Ub]h]Y`g`-`]b`W`i`X]b[ `dc`]h]WU`Y`Wé`c`[ m`z`h`Y`gc`W]c`c[ m`c`Z`g`W]Y`b`h]Z`W  
\_`b`c`k`Y`X[ `Y`UbX`Wé`b`h`Y`a`dcfUfm`dc`]h]WU`h`Y`c`f`m`

7 ci fgY @YUfb]b[ `Ci hWé a Yg

%` ð`Y`b`h]Z`m`h`]g`h`c`f`]WU`UbX`dc`]h]WU`Wé`b`h`Y`i`h`g`h`U`h`g`U`d`Y`h`Y`W`f`f`Y`b`h`X`Y`V`U`h`Y`g`U`V`c`i`h`W]a UH'WXUb[ Y  
&` 5`d`d`m`U`Wé`b`W`d`h`U`Z`U`a`Y`k`c`f`\_`h`c`i`bXYfgHUbX`h`Y`i`bXYf`m]b[ `gc`W]U`UbX`W`h`fU`Z`i`h`]b`Y`g`c`Z  
W]a UH'WXUb[ Y  
'`" `A`U`\_`Y`j`]X`Y`b`W`!`V`U`g`Y`X`U`f[ i`a`Y`b`h`g`i`g]b[`]b`X`Y`d`Y`b`X`Y`b`h`m`c`W`U`h`Y`X`g`c`i`f`W`g`

HYUWX ]b[ `GhfUH[ ]Yg`

H`h`]g`Wé`i`fgY`f`Y`e`i`]f`Y`g`g`h`X`Y`b`h`g`h`c`Y`b[ `U[ `Y`k`]h`Wé`b`h`Y`a`dcfUfm`gc`W]c`c[ ]WU`UbX`i`a`Ub]h]Y`g`Ub`U`m`h]WU`  
g`W`c`U`f`g`d`]b`YI`d`c`f]b[ `UbX`Ub`U`m]b[ `h`Y`dc`]h]Wg`cZW]a UH'WXUb[ Y`"é`k`j`"f`Y`e`i`]f`Y`f`Y`Z`Y`W`j`Y`UbX`g`Y`Z  
W`]h]WU`Y`U`f`b]b[ `h`c[ `Y`h`Y`f`k`]h`U`W`U`d`U`W]m`h`c`U`g`g`Y`a`V`Y`UbX`g`m`b`h`Y`g]g`Y`]b`Z`c`f`a`U`h`c`b`Z`c`a`U`f`U`b[ `Y`c`Z`g`c`i`f`W`g  
UbX`X]g`W]d`]b`U`f`m`V`U`W`[ `f`c`i`b`X`g`"H`Y`Wé`i`fgY`U`gc`k`j`"f`Y`e`i`]f`Y`g`h`X`Y`b`h`g`h`c`U`d`d`m`h`Y`g`Y`]b`g][ `h`g`]b`U`f`Y`U`!  
k`c`f`X`YI`Ua`d`Y`UbX`h`c`Wé`a`d`Y`h`U`a`U`c`f`d]Y`W`c`Z`U`g`g`Y`g`g`a`Y`b`h`h`U`h`YI`Ua`]b`Y`g`h`Y`f`W`U`d`U`V`]h]Y`g`h`c`X`c`h`]g`"  
H`Y`g`Y`c`V`Y`W`j`Y`g`k`j`"V`Y`U`W`X`j`Y`X`h`f`c`i`[ `h`Y`W`h`f`Y`g`z`]b`X`Y`d`h`h`h`h`c`f]U`X]g`W`g`g]c`b`g`z`]b`X`Y`d`Y`b`X`Y`b`h`f`Y`g`Y`U`f`W`  
UbX`h`Y`d`f`Y`d`U`f`U`h`c`b`c`Z`U`g`g`Y`g`g`a`Y`b`h`h`U`g`\_`g`"é`c`f`X`Y`f`Z`c`f`g`h`X`Y`b`h`g`h`c`X`Y`j`Y`c`d`h`Y`Z`c`f`a`g`c`Z`W`]h]WU`f`Y`Z`Y`W`]c`b  
b`Y`W`g`g`U`f`m`Z`c`f`h`]g`Wé`i`fgY`z`d`U`f`h]W]d`U`h`c`b`]b`h`h`c`f]U`X]g`W`g`g]c`b`k`j`"V`Y`Ya`d`U`g]g`Y`X`UbX`]g`f`Y`Z`Y`W`X`]b`h`Y  
U`g`g`Y`g`g`a`Y`b`h`g`W`X`Y`i`Y`"

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
G\cfh9ggUm!`8]gWti fgY 5bU`mg]g`	&\$i	) # \$ + # & \$ % - ' % % \$ \$ ' DA	%z&
G\cfhYggUm!`#hYfdFYhj Y 5bU`mg]g`	&\$i	% - # \$ + # & \$ % - ' % % \$ \$ ' DA	%z&
G\cfh9ggUm!`B UffUHj Y 5bU`mg]g`	&\$i	\$ & # \$ , # & \$ % - ' % % \$ \$ ' DA	%z&
: ]bU`9ggUm	( \$i	%* # \$ , # & \$ % - ' % % \$ \$ ' DA	%z&Z

## 5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`G\cfh9ggUm!`8]gWti fgY`5bU`mg]g

GHUfhXUH.

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

8YHU]`g. Gh XYbhg`UFY`dfcj ]YX`k ]h`U`W`b`h`a`dcfUfmW]a UH`VXUb[ Y`dc`]MhXcW a YbhUbX`fYeI ]fYX`hc  
W]hW`mYI Ua ]bY`hY`X]gW fg]j Y`Z`Ua ]b[ `c`Z`h`Y`XcW a Ybh]b`Ub`YggUmicZ+) \$`k cfXg" `#X] ]Xi U`k f]hYb  
ZYXVUW`\_]g`dfcj ]YX"

Hi fb]h]b`gYh]b[ . H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h`fci [ \`Hi fb]h]b`UbX`gh XYbhg`WJb`gYY`Hi fb]h]b`g]a ]`Uf]m  
fYdcfng"

5ggYgga Ybh&.`G\cfhYggUm!`#hYfdFYhj Y`5bU`mg]g

GHUfhXUH.

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

8YHU]`g. H\]g`ZfghYggUmHUg`\_]g`XYg][ bYX`hc`YI Ua ]bY`gh XYbhgfYb[ U[ Ya Ybhk ]h`]bHfdFYhj Y`gcWU`  
gWYbW`UddfcUWYg`hc`W]a UH`VXUb[ Y`"Gh XYbhg`UFY`fYeI ]fYX`hc`W`b`Xi`W]U`Vf]YZ]bhYfj ]Yk`k ]h`U`Z`ck

8YHJ]g. 'Gh XYbhg'UfY'fYei ]fYX'hc'dfcXi W'U'bUffUhj] Y'YggUmVUgYX'Ufci bX'U'd\cnc[ fUd\]VZj ]gi U'cf  
Ui X]c'XYd]W]cb'cZ'hY'W]a Uh'VXUb[ Y''H\Y'k cfX''Yb[ h'Z'f'h'g'd]YW''g'+) '\$'k cfXg"bX]j ]Xi U'k f]hYb  
ZYXVUW\_]g'dfcj ]XYX"

Hi fb]h]b'gYh]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'h'fci [ \ 'Hi fb]h]b'UbX'ghi XYbhg'WUb'gYY'Hi fb]h]b'g]a ]Uf]m  
fYdcfg"

5ggYgga Ybh(. : ]bU''9ggUm

GhUfhXUh'.

@Yb[ h.' \$\$\$

8YHJ]g. 'H\]g'UggYgga Ybh]g'U'' \$\$\$!k cfX'YggUm''H\Y'YggUm'hd]W]g'di V']g\YX'cb'h\Y'W'i fgY'A ccX'Y  
g]h''bX]j ]Xi U'k f]hYb'ZYXVUW\_]g'dfcj ]XYX''H\Y'Z]bU''YggUm]g'h\Y'Z]bU''UggYgga YbhZ'f'U'hYbXUbW'  
di fdcgYg"

## 5 HbXUbW F Yei ]fYa Ybfg

5 HbXUbW cZ@YWh fYgZHi hf]U'g'UbX'Wca d'Yhcb'cZcb']bY'UWhj ]hYg ]g'a UbXUhfmb'h'lg'Wci fgY"  
 I bYI W gYX'UVgYbW'Zca 'a cfY'hUb'&\$i 'cZ@YWh fYgZHi hf]U'g'UbX'Wca d'Yhcb'cZ&\$i 'cZ'hY'Wci fgY  
 cb']bY'UWhj ]hYg'k ]'fYgi 'h]b'hY'Uk UFX'U'ZU]' [ fUXY''@YWh fYZHi hf]U'g'UbX'cb']bY'UWhj ]hYg'mci 'k ]'  
 UWhj Y'mYb[ U[ Y'k ]h'WcfY'Wci fgY'Wcbh'bh'YbUV']b[ 'mci 'hc'Uhf]b'hY'h'fY'Wci fgY'YUfb]b[ 'ci h'Wca Yg.

%" ÆYbh]Zm\ ]ghf]WU'UbX'dc ]h]W'WcbhYI hg'h'Uhg\UdY'hY'W ffYbhXYVUhg'UVci hW]a UhY'WXUb[ Y/  
 &" 5dd'mU'WcbW'dh U'ZUa Yk cf\_'hc'i bXYfghUbX'hY'i bXYf'm]b[ 'gcWU'UbX'W'hi fU'ZU'i 'h]bYg'cZ  
 W]a UhY'WXUb[ Y/  
 ' " A U\_Y'Yj ]YbW!VUgYX'Uf[ i a Ybfg'i g]b[ ]bXYdYbXYbhm'cWUhx'gci fWg"

## 7 ci fgY'GWYXi `Y

[J \]Yk WUgg'ha YhUVY](#)

H]a YhUV`Y`

8 UhY	HmdY	7 cbhYbh
K YY_% " ' >i bY!'+'>i bY	@YWh fY	7 ci fgY' b]fcXi W]cb / ' < ]ghf]Yg'cZ7 `]a UhY 7 \ Ub[ Y
	Hi hf]U'	F YUX]b[ g'Uj U]UV'Y'j ]U'Wci fgY''Y[ Ubhc'g]hY''
	C b']bY'5W]j ]hm	C b']bY'UWhj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY''
K YY_&.%\$>i bY!'%( >i bY		Bc''YWh fYg'cf'hi hf]U'g!'Di V`]W<c`]XUm
K YY_'. .%+>i bY!'&% >i bY	@YWh fY	: cf'UbX'5 [ U]bgh'hY'F Y'Yj UbW'cZ7 `]a UhY fA ]g]bZcfa Uh]cb'hc'7 `]a UhY Dc`]Wra U_]b[ 'fi i Yghi@YWh fY!'8f''9f]b'B Ug\ E
	Hi hf]U'	F YUX]b[ g'Uj U]UV'Y'j ]U'Wci fgY''Y[ Ubhc'g]hY''
	C b']bY'5W]j ]hm	C b']bY'UWhj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY''
K YY_(.'&('>i bY!'&, >i bY	@YWh fY	H'Y'gcW]U' Wcbghfi W]cb'cZW]a UhY'gW]YbW
	Hi hf]U'	F YUX]b[ g'Uj U]UV'Y'j ]U'Wci fgY''Y[ Ubhc'g]hY''
	C b']bY'5W]j ]hm	C b']bY'UWhj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY''
K YY_)'. %>i 'm!) '>i 'm	@YWh fY	7 cbW'dh U']g]b[ 'hY'dc']h]Wg'cZW]a UhY'WXUb[ Y
	Hi hf]U'	F YUX]b[ g'Uj U]UV'Y'j ]U'Wci fgY''Y[ Ubhc'g]hY''
	C b']bY'5W]j ]hm	C b']bY'UWhj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY''
K YY_*.'. ,>i 'm!'&>i 'm	@YWh fY	Di V`]WbUffUhj Yg'cZW]a UhY'WXUb[ Y
	Hi hf]U'	F YUX]b[ g'Uj U]UV'Y'j ]U'Wci fgY''Y[ Ubhc'g]hY''

	C b`]bY'5Wlj ]lm	C b`]bY'UWlj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY"
K YY_+.%) `>i `m!`%`>i `m	@YWh fY	: ]bUbW]U`]gUh]cbžgYVW f]h]gUh]cb`UbX`dcgh dc`]h]WgUh]cb`cZW]a UH'`WX Ub[ Y
	Hi hc]U`	F YUX]b[ g`Uj U]UV'Y'j ]U`Wci fgY`Y[ Ubhc`g]hY"
	C b`]bY'5Wlj ]lm	C b`]bY'UWlj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY"
K YY_ , .&&`>i `m!`&`>i `m	@YWh fY	A Uf_Yhg`]b`Dcgh 7 UfVcb`Dc`]h]Wg. `5VWci bh]b[ ž 8]gWcgi fY`UbX`FY[ i `Uh]cb`!`f] i Ygh@YWh fY`!`8f" 8YWUb`?`i`WX
	Hi hc]U`	F YUX]b[ g`Uj U]UV'Y'j ]U`Wci fgY`Y[ Ubhc`g]hY"
	C b`]bY'5Wlj ]lm	C b`]bY'UWlj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY"
K YY_`-`&`>i `m!`&` 5i [ i gh	@YWh fY	; c]b[ `hc`[ fci bX` `hY`UbX!W]a UH`bYI i g
	Hi hc]U`	F YUX]b[ g`Uj U]UV'Y'j ]U`Wci fgY`Y[ Ubhc`g]hY"
	C b`]bY'5Wlj ]lm	C b`]bY'UWlj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY"
K YY_`%\$.)` 5i [ i gh!`-` 5i [ i gh	@YWh fY	8Ya cWU]g]b[ `W]a UH'`WX Ub[ Y
	Hi hc]U`	F YUX]b[ g`Uj U]UV'Y'j ]U`Wci fgY`Y[ Ubhc`g]hY"
	C b`]bY'5Wlj ]lm	C b`]bY'UWlj ]hYg'Uj U]UV'Y'j ]U'hY'Wci fgY'a ccX'Y g]hY"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Y`Wti fgY`Zcf`5F HG&&(&k ]`VY`A ]\_Y`<i`a Yfg`[K\\_YUH\\_YfYX`7i`hi`fYg`cZ7`ja\\_UH`f&\\$%\\*`žG5;`9E`H\Y`j`ci`a`Y`\]g`Uj`U\]V`Y`Ug`Ub`Y!Vcc`\\_j`\]U`h`Y`I`B`G`K`\\_`j`v`f`U`f`n`ž`U`b`X`j`\]U`h`Y`I`B`G`K`\\_`V`c`c`\\_`g`\\`c`d`"](#)



Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

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

Ẓmci `YbWci bhYf`U`dfcV`Ya `k \Yb`U`H`Ya dh]b[ `hc`gi Va ]hmc i f`Ugg][ ba YbhHfci [ \`Hi fb]h]bžd`YUgY  
H`Yd\cbY`9I H`fbU`Gi ddcfhcb`-` , ) `` `` ` %cf`Ya U]`H`Ya `cb`YI H`fbU`H`hgi ddcfh4 i bgk "YXi "Ui ``Gi ddcfh  
\ci fg`UfY` , .\$\$Ua `--`%\$. \$\$da `cb`k YY\_XUmg`UbX`- . \$\$Ua `--` ) . \$\$da `cb`k YY\_YbXg`fI \*) `XUmg`U`m`Y`UfL` Ẓmci  
UfY`i bUV`Y`hc`gi Va ]hmc i f`Ugg][ ba YbhXi Y`hc`U`ZU`ihk ]H`Hi fb]h]b`mci `a UmiUdd`miZc`f`Ub`YI H`bg]cbžVi hmc i  
a i ghfYH]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[ `k ]H`Ubmch`Yf`fY`Yj UbhXcW a Yb]gk`hc  
]bWi XY`Ug`Yj ]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k ]`

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

D`U[ ]Uf]ga `]g`i g]b[ `hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b[ `hYa `Ug`mci f`ck b" `hWUb`hU`Y`a Ubm  
Zcfa gž`Zca `XY`]VYfUHY`WXYU]b[ `hc`UWV]XYbhU`mW`dm]b[ `Zca `U`gci fW`k ]h`ci hUW\_bck`YX[ Ya Ybh`

I BGK `[ fci dg`d`U[ ]Uf]ga `]bhc`hY`Zc`ck ]b[ `WUHY[ cf]Yg.

7 cdm]b[ .`i g]b[ `hY`gUa Y`cf`j Yfmg]a ]Uf`k cfXg`hc`hY`cf][ ]bU`hYI hcf]XYU`k ]h`ci hUW\_bck`YX[ ]b[ `hY`  
gci fW`cf`i g]b[ `ei chU]cb`a Uf\_g" `H\]g`U`gc`Udd`]Yg`hc`]a U[ Ygž`UfhUbX`XYg][ b`dfc`YWgž`Ug`k Y`Ug  
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[ .`7`U`b[ ]b[ `U`ZYk`k cfXg`UbX`d`fUgYg`k`Y`a cghmifYU]b]b[ `hY`cf][ ]bU`  
ghfi`W`fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`ž`UbX`]bZcfa`U]cb`k ]h`ci hUW\_bck`YX[ Ya Ybh`H\]g`U`gc  
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hWYX]h`UbX`hc  
d]YW]b[ `hc[ YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`c`Yž`k ]h`ci hUddfcdf]UHY`fYZYfYbW]b[ "

7 c`i g]cb.`k cf\_]b[ `k ]h`chYfg`Vi hdUgg]b[ `cZ`hY`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`UbchYf`gh`XYbhVYZc`fY`hY`Xi`Y`XUHYž`cf`Zc`f`hY`di`fdcgY`cZ`hY`a

- i bXYfghUbx'mci f'f][ \hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wc'dmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'U'g'U'ghUbx'UfX'g'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yf'ncbY' ]b'U'Y'I BGK 'W'a a i b]m
- 'cW'U'Y'gY'fj ]W'g'UbX' ]b'Z'fa U'h'cb'UV'ci hi BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'U'g'U'ghUbx'UfX'g'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yf'ncbY' ]b'U'Y'I BGK 'W'a a i b]m

[\hd. #gj V'Y'W'f i \]X'Y'g" \]V'f'U'f'm'i bgk "Y'X'i "U'i #' \]g'Y'#U'V'ci h' \]g'Y](#)

## 5 WUXYa ]WbZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[ `hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua ]bUh]cb`dfcVWXi fYg/
- gdYWU`Vc]bg]XYfUh]cb`]b`hY`Yj YbhcZ]`bYgg`cf`a ]gUXj Ybh fY/
- ghi XYbhYei ]hmUbX`X]gUV`]`]m/
- UbX`chYfYggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY

[\hfg.#k k k "Ufmg"i bgk "YXi "Ui #W ffYbhghi XYbh\]bZcfa Uhcb`dfcVc`g!\[ i \]XY`\]bYg#](#)

⇒ U[ Y`7 fYX]h

⇒ U[ Y`7 fYX]h`A UhhYk `? YUfbYg

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY.`\$\$\$- ;