



# ARTS1060

☯hfcXi Wjcb'hc': ]a 'Gh X]Yg

HYfa 'Cby''##'&\$&\$

7 ci fgY`Cj Yfj ]Yk

`GHUZZ`7 cbhUW`i8YHU]`g`

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B Ua Y	9a U]	5j U]`UV]`]m	@cWU]hcb	D\cbY
; 9CF; 9 ?CI J 5FCG	[ "_ci j Ufcg4 i bgk "YXi "Ui	9a U]`Zcf`Ub Uddc]bha Ybh	F a `&\$*ž`Yj Y` &`K YVghYf 6i ]X]b[	- ' , ) ` ( , * %

GWXcc`7 cbhUW`i`bZcfa Uh]cb

Fcca "` %&ž`Yj Y`` `F cVYfhK YVghYf`6i ]X]b[

D\cbY. f\$&ž`- ' , ) ` ( , ) \*

9a U]: [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY. [\hfdg.#gUa "Ufmg"i bgk "YXi "Ui](#)

H\Y`GWXcc`cZ`hY`5fmg`UbX`A`YX]U`k`ci`X`\_Y`h`F`YgdYW`m5W`bck`YX[`Y`h`Y`HfUX]hcbU`7`i`g`h`X]Ubgž`h`Y`6YXY[`U`f`P`Ybg]b[`h`c`b`W`Ua`di`g`ž;`UX][`U`f`7`]m`UbX`5`f`h`/`8`Yg][`b`7`Ua`di`g`Y`g`U`b`X`h`Y`B`[`i`b`b`U`k`U`d`Y`c`d`Y`f`b`i`g`h`f`U`]U`b`8`Y`Z`b`W`:`c`f`W`5`W`U`X`Y`a`m]b`7`U`b`V`Y`f`f`U`U`c`Z`h`Y`U`b`X`g`k`Y`f`Y`Y`U`W`W`Ua`di`g`c`Z`I`B`G`K`]g`c`W`U`h`Y`X`"

7ci fgY'8YHJ]`g

7fYX]h'Dc]bHg '\*`

Gi a a UfmcZ'h\Y'7ci fgY

h'h]g'Wci fgY'mci 'k ]''YUfb'YggYbh]U'h'Wk.b]ei Yg'UbX'j cWJVi 'UfmZcf'UbU'mg]b[ žYI d'U]b]b[ 'UbX

h\Y`hja Y`Wca YgZ[ YhfYUXmZcf`h\Y`YI Ua ""`H\Y`fYeI ]fYX`fYUX]b[ g`dfcj ]XY`U`VUg]g`Zcf`mci f`ghi Xn`"H\Y`  
I`B`GK`" ]VfUfm`Ug`U`[ ccX`fUb[ Y`cZVcc\_g`UbX`^ci fbU`g`cb`W]bYa UZ`h`Uhmci `W]b`i gY`tc`Yb`U`bW`mci f`  
\_bck`YX[ Y`UbX`i bXYfg]UbX]b[ "

&"`H\YfY`]g`U`k`YY`\_m`YW]i`fY`"Ugh]b[ `Zcf`Ufci bX`%)` \`ci fg""`H\Y`di fdcgY`cZ`YW]i`fYg`]g`bchg]a d`mhc`  
dfcj ]XY`mci `k`]h`]bZcfa`U]cb""`F`U`h`Y`fZ`YW]i`fYg`gYfj`Y`tc`XYZ]bY`h\Y`g]fi`W]i`fY`cZ`h\Y`Wci`fgYZ`]b]fcXi`W`\_Ym`

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \ h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
Hi hcf]U`DfYgYbhUhc`	%)	Bch5dd`]WUV`Y	%&
GYei YbW`5bU`mg]g`	' )	% # \$ ' # & \$ & \$ ' % % \$ \$ ' DA	%
: ]bU`9I Ua`	) \$	Bch5dd`]WUV`Y	%&Z

## 5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`Hi hcf]U`DfYgYbhUhc`

GHUfhXUH. `Bch5dd`]WUV`Y

8YHU]`g. %\$!a ]bi hYg": YYXVUW\_`j ]U`@A G"

5XX]hc`bU`XYHU]`g.

6`hY`Zfghih hcf]U`mci`k ]`VY`X] ]XYX`]bhc`hYUa`g`cZ&!` `gh`XYbhtg`"9UWX`k`YY`z`U`hYUa`k` ]`]bhcXi`W`\_`Ym`  
 W`bW`drg`Zfca`hY`fYUX]b[`g`hc`hY`WUgg`UbX`Udd`m`hYgY`W`bW`drg`hc`hY`fY`UH`X`g`W`Y`Y`b]b[`"Hi`hcf]g`k` ]`VY`  
 UggYgg]b[` \ck`k`Y`hY`hYUa`g`W`mg]U`nY`hY`Uf[`i`a`Y`bhtg`UbX`W`bW`drg`W`bhfU`hc`hY`fYUX]b[`g`UbX`XfUk`  
 ci`hfY`Yj`UbhW`bbY`W]cbg`hc`hY`Z`a`g`"D`Y`UgY`8C`B`C`H`a`Y`fY`migi`a`a`Uf]nY`hY`fYUX]b[`g`z`hY`Y`W`h`fY`cf`  
 XYj`ch`hY`dfYgYbhUhc`hc`hY`fY`W]hc`cZV]c[`fUd\]W`XYHU]`g`"H\]g`hUg\_]`g`XYg][`bYX`hc`Ybgi`fY`h`U`hrci`  
 UfY`UW]j`Y`mYb[`U[`YX`]b`hY`Y`Ufb]b[`dfcW`gg`UbX`\Uj`Y`hY`W`UbW`hc`XYj`Y`cd`g\_]`g`bYW`ggUfmZcf`  
 UXj`UbW]b[`hc`i`ddYf`Yj`Y`W`i`fgYg`"h]g`U`gc`XYg][`bYX`hc`Z`ghYf`hYUa`!k`cf`g\_]`g`<`YbW`z`h]g`YI`dY`W`X`h`U`h`  
 hY`hYUa` \Ug`a`Y`hfY[`i`Uf`m]cf`hc`hY`dfYgYbhUhc`hc`U`c`W`U`hY`hUg`g`z`X]gW`gg`dfY`]a`]bUfm`W`bW`g]cbg`  
 UbX`fY`Y`UfY`hY`dfYgYbhUhc`"H\Y`hYUa`k` ]`U`gc`\Uj`Y`hc`XYU`k` ]h`Ubmi`h`W`b]W`fYei`]fYa`Y`bhtg`df]cf`hc`  
 hY`XUH`c`Z`hY`dfYgYbhUhc`"H\Y`gi`W`W`gg`c`ZY`UW`dfYgYbhUhc`k` ]`VY`XY`h`fa`]bYX`Vmi`hY`hYUa`g`UV`]`mih`  
 k`cf`\_`hc[`Y`hY`f`UbX`W`cfX]bUH`hY`dfYgYbhUhc`k`Y` ]b`UXj`UbW`"6`hY`k`YY`\_`df]cf`hc`U`dfYgYbhUhc`b`z`  
 gh`XYbhtg`g`lci`X`Vf]Y`Z`hY]f`h`hc`f`cb`dfc[`fYgg`a`UXY`UbX`Ubmi`X]Z]W`hYg`Y`bW`i`bhY`fYX`"9UWX`a`Ya`VY`f`c`Z`hY`

YUWX'ghi XYbha i ghgi Va ]hU'k f]hYb'gi a a UfmcZhY]f]bX]j ]Xi U'Wcbf]Vi h]cb'fUddfcl "'%dU[ Y'd'i g  
fYZYfYbW'gE" b'mci f'gi a a UfmXcW a YbZ'd'YUgY U'gc ]bWi XY'hY' ]bX]j ]Xi U'ei Ygh]cb'mci '\Uj Y'dfYdUFYX  
Zc'f'hY 'WUgg'UbX'hY 'hI hZca 'UbmDck Yfdc]bhg]XYg'mci '\Uj Y'i gYX' ]b'mci f'dfYgYbH]cb"McI 'A I GH

(" 5`h`ci [ \ `b`cha UbXUhcfmž`i g`Y`g`W`f`Y`b`[ fUVg`h`c`]bX]WU`h`h`c`h`Y`f`Y`U`X`Y`f`h`Y`g`h`c`h`V`Y`]b[ `X]gW`ggYXž  
`ck`Y`j`Yfž`Xc`b`ch`Y`h`h`Y`g`Y`h`U`\_`Y`d`U`W`c`Z`m`c`i`f`c`k`b`X`Y`g`W`d`h`c`b`"  
):`:`]a`]g`Ub`Ui`X]c]j`]gi`U`a`YX]U`A`U`\_`Y`gi`f`Y`h`U`h`h`Y`i`g`Y`c`Z`g`c`i`b`X`]g`X]gW`ggYX`]b`m`c`i`f`g`Y`e`i`Y`b`W`  
Ub`U`m`g]g`"@]g`h`b]b[ `h`c`h`Y`W`d`k`]h` \`Y`U`X`d`c`b`Y`g`W`b` \`Y`d`X]g`h]b[ i`]g` \`Y`Ya`Y`b`h`g`]b`h`Y`g`c`i`b`X`g`W`d`Y`"  
5`h`f`b`U`h]j`Y`n`ž`h`f`b]b[ `X`c`k`b`h`Y`g`c`i`b`X`W`b` \`Y`d`m`c`i`h`c`Z`W`g`c`b`j`]gi`U`d`U`h`f`b`g`Ub`X`W`Ub[ `Y`g`]b`  
a`]g`Y`!`Y`b`!`g`W`b`Y`"A`U`\_`Y`gi`f`Y`h`U`h`m`c`i` \`U`j`Y`W`c`f`Y`W`h`m]X`Y`b`h]Z]Y`X`h`Y`h`c`h`U`b`i`a`V`Y`f`c`Z`g`h`c`h`g`]b`h`Y`  
Y`b`h]f`Y`g`Y`e`i`Y`b`W`Ub`X`h`U`h`Y`U`W`h`g`h`c]g`W`c`f`Y`W`h`m`X`Y`g][`b`U`h`X`ž`Z`f`Y`I`U`a`d`Y`ž`g`h`c`h`%`ž`g`h`c`h`&`Y`h`W`  
\*"D`Y`U`g`Y`b`c`h`h`h`U`h`h`g`]g`]g`B`C`H`U`f`Y`g`Y`U`f`W`h`U`g`\_`"K` \`U`h`a`U`h`h`f`g`]g`h`U`h`m`c`i`X`Y`a`c`b`g`h`U`h`m`c`i`f`c`K`B`  
W`c`g`Y`j`]Y`k`]b[ `ž`X`Y`g`W`d`h]c`b`ž`Ub`U`m`g]g`Ub`X`]b`h`f`d`f`Y`h`U`h]c`b`c`Z`h`Y`g`Y`e`i`Y`b`W`" <`c`k`Y`j`Y`f`]Z`m`c`i`X`c`  
\`U`d`d`Y`b`h`c`X`c`U`b`m`f`Y`g`Y`U`f`W`]b`V`c`c`\_`g`ž`c`i`f`b`U`g`ž`k`Y`V`g]h`Y`g`ž`V`c[ `g`Y`h`W`m`c`i`A`I`G`H`d`f`c]j`X`Y`  
U`d`d`f`c`d`f]U`h`g`W`c`U`f`m`f`Y`Z`f`Y`b`W]b[ `]b`W`i`X]b[ `k` \`Y`b`m`c`i`U`f`Y`d`U`f`U`d`f`U`g]b[ `c`f`X`f`U`k`]b[ `U`b`]X`Y`U`Z`f`c`a`  
g`c`a`Y`c`b`Y`Y`g`Y`"  
+"h`]g`U`g`c`j`Y`f`m`A`D`C`F`H`5`B`H`h`c`f`Y`a`Y`a`V`Y`f`h`U`h`h`g`]g`]g`Ub`B`8`ž`ž`I`5`@`U`g`g`Y`g`g`a`Y`b`h`f`U`g`\_`ž`g`c`m`c`i`  
a`i`g`h`b`c`h`W`c`U`V`c`f`U`h`c`f`k`c`f`\_`h`c[ `Y`h`Y`f`k`]h`U`b`m`c`h`Y`f`g`h`X`Y`b`h`k` \`Y`b`X`c]b[ `h`h`g`U`g`g`Y`g`g`a`Y`b`h`f`U`g`\_`  
8`c]b[ `g`c`a`U`m`W`c`b`g`h]h`h`5`W`U`X`Y`a`]W`A`]g`W`c`b`X`i`W`h`U`b`X`k`]`V`Y`]b]j`Y`g`h][`U`h`X`U`W`W`c`f`X]b[ `h`c`h`Y`  
D`U[ `]U`f]g`a`Ub`X`5`W`U`X`Y`a`]W`A`]g`W`c`b`X`i`W`h`D`c`]W`h`U`b`X`D`f`c`W`X`i`f`Y`g`"h`i`a`i`g`h`V`Y`%`\$`\$`i`m`c`i`f`c`K`B`k`c`f`\_`"

5ggYgga Ybh7 f]hYf]U

%`8`Y`h]j`Y`X`c`V`g`Y`f`j`U`h]c`b`Ub`X`X`Y`g`W`d`h]c`b`c`Z`g`h`c`h`g`"  
&`H`h`c`i`[ \`h`z` \`Ub`X`W`Y`U`f`X`Y`g`W`d`h]c`b`c`Z`a`Y`U`b]b[ `"  
'`5`h`h`Y`b`h]c`b`h`c`d`f`c`X`i`W`h]c`b`h`Y`W`b]e`i`Y`g`#`Z`c`f`a`U`e`i`U`]h]Y`g`c`Z`Z`a`"  
(`I`g`Y`c`Z`Z`a`g`h`X]Y`g`a`Y`h`c`X`g`Ub`X`h`Y`f`a`g`"  
)`5`h`h`Y`b`h]j`Y`b`Y`g`g`h`c`a`U`h`h`f`g`c`Z`U`W`U`X`Y`a`]W]b`h`Y`[ `f]h`m`f`

5ggYgga Ybh' .: ]bU`9I Ua

GHUfhXUHY. Bch5dd]WUVY

8YhU]`g. Hk c`f&L`h`ci`fg`5`d`h`U`!`bi`a`Y`f]W[`f`U`X`Y`"

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

H`h`g`W`c`i`f`g`Y` \`U`g`U`Z]b`U`Y`I`U`a`f`X`i`f`U`h]c`b`&`h`c`i`f`g`h`h`Y`Y`I`U`a`k`]`h`U`\_`Y`d`U`W`h`X`i`f]b[ `h`h`Y`I`B`G`K`  
Z`c`f`a`U`Y`I`U`a`d`Y`f]c`X. `&`%`A`U`m`9`I`U`W`h`X`U`h`Y. `H`6`7`"h`c`f`X`Y`f`h`c`d`U`g`g`h`h`g`W`c`i`f`g`Y`m`c`i`U`f`Y`f`Y`e`i`]f`Y`X`h`c`  
a`U`\_`Y`m`c`i`f`g`Y`Z`U`j`U]`U`V`Y`X`i`f]b[ `h`h`Y`Y`I`U`a`d`Y`f]c`X`"D`f`Y`I`V`c`c`\_`Y`X` \`c`]X`U`m`g`X`c`b`c`h`e`i`U`]Z`m`U`g`[ `f`c`i`b`X`g`Z`c`f`  
U`b`Y`I`Y`a`d`h]c`b`"H`h`Y`Y`I`U`W`h`X`U`h`Y`Z`c`f`h`Y`5`F`H`G`%`\$`\$`Y`I`U`a`]g`X`Y`h`f`a`]b`Y`X`V`m`W`b`h`f`U`I`B`G`K`h`h`a`Y`h`U`V`]b[ `U`b`X`  
k`]`V`Y`U`j`U]`U`V`Y`U`f`c`i`b`X`h`Y`a`]X`X`Y`c`Z`h`Y`h`f]a`Y`g`h`Y`f`"

h`h`Y`Y`I`U`a`ž`m`c`i`k`]`V`Y`[ `]j`Y`b`U`]g`h`c`Z`e`i`Y`g`h]c`b`g`W`c`j`Y`f]b[ `]g`g`i`Y`g`Ub`X`W`c`b`W`d`h`g`W`c`j`Y`f`Y`X`]b`h`h`Y`Y`W`h`f`Y`g`  
Ub`X`h`h`c`f]U`g`"H`h`Y`e`i`Y`g`h]c`b`g`k`]`U`g`c`f`Y`e`i`]f`Y`m`c`i`h`c`X`f`U`k`c`b`g`W`b`Y`g`ž`W]b`Y`a`U`h]W`U`b`X`b`U`f`U`h]j`Y`X`Y`h]j`Z`f`c`a`

&" C f[ ]bU]mUbx'f[ ci f'cZUf[ i a Ybh'fB`WU]a g'UbX']bHfdFYUjcbg'a i ghVY'gi ddcfHYX'k ]h'XYU]YX  
 Uf[ i a Ybh'H\]g'a YUbg'dfcj ]X]b[ 'Ya d]f]WU`Yj ]XYbW`Zca 'hY'Z'a gž\_Ym\]ghcf]WU`ZUWg'UbX'U'i V]X  
 dfYgYbhUjcb'cZa UHYf]U""D`YUgY'Uj c]X'dfYgYbh]b[ 'i bgi VghUbh]UHYX'cd]b]cb'cf'j U'i Y'↑X[ Ya Ybhg  
 'UW\_]b[ 'Wc[ YbhUf[ i a Ybh'k

' " 9j ]XYbW`h'Uhg]i XYbh'Ug'k UHXX'YX'h'Y'Z'a g'gWfYYbYX'Xi f]b[ 'h'Y'Wc'i fgY'WcgY'mUbx']g'UV'Y'hc  
 XfUk 'cb'gdYW]Z]WZ'a ]WXYU]` ]b'h'Y]f'k f]h]b[ "

(" 9i Ua 'gW]d]hg'a i ghfYZYW]Ubx'Yb[ U[ Ya Ybhk ]h'Wc'Wd]hgž']ggi Yg'UbX']XYUg'dfYgYbh'X']b'h'Y  
 'YV]i fYg'UbX'XYj Y'cdYX']b'h'Y'gYh'i hc]f]U'fYUX]b[ g"

)" HfYUha Ybh'cZ]a 'Ug'U'gdYW]Z]Wa YX]i a " ð'c'h'Yf'k cfXgž'mci 'a i ghia U\_Y'Ub'YZ'cf]hc'Wc'a Y'hc'h'Yfa g  
 k ]h'h'Y'Z'fa U'f]g]m]gh]WUbx'h'Y'W]b]WU'k'Y""Ug'h'Y'h'Ya U]h]Wei U']h]Yg'cZ'h'Y'Z'a g'h'Uhmci  
 W]ccgY'hc'k f]h'Y'UVci h'

\*" DfcdYf'di bW]i U]h]cbž[ f]Ua a Uf'UbX'gYbh'YbW'ghfi W]i fY"

+ " 7 UfY']b'a UHYfg'cZgdY`]b[ 'UbX'ZUW]i U`]bZ'fa U]h]cb'Wc'Wf]b]b[ 'XUHYgž'bUa Yg'UbX'h]hYg"



		&\$\$* Ł'dd"%*\$'!'&\$%/A Uf]mb: UVYžff\Y'5fhcZ A cbtU[ Y.'GYf[ Y]9]gYbghY]břj FZW4SffMēZ[b BafW_] [ f]b'5'aeWk I SfUZW 8[^_ e, 3` ; fcbVgUf[a` fa fZW3df aX@SdSf[hW8[^_ FWUZ` [cgW /6Yf_Y'Ym'I b]j Yfg]hmcZ7 U]Zc fb]U'DfYggž&\$\$ ( Ł'dd %_ !' " *"
K YY_*. '&' A UfW '!'+ A UfW	@YWi fY	: ]a 'Gci bX
	GWYYb]b[	FZW5a` hWēSf[a` 'fi fUbW]g: cFX'7 cddc'Už%- +( Ł %% 'a ]bg
	Hi hc f]U`	Hi hc f]U` F YUX]b[ . '8Uj ]X'6cfXk Y`'UbX' ? f]g]b H\ca dgcbž'Gci bX' ]b' hY'7 ]bYa U'žW"' + ]b'8[^_ 3df, 3` ; fcbVgUf[a` 'ft h' YXb"Łž6cgrcb. A W fUk '<'ž &\$\$ (. '&* -!&- , "
K YY_+. " \$'A UfW '!" 5df]	@YWi fY	: YbfY
	GWYYb]b[	G` XadY[hW 'f7 ]bh9Ugfk ccXž%- - &Ł% %a ]bg
	Hi hc f]U`	Hi hc f]U` F YUX]b[ . H\ca Ug'GWUhmž': ]a ` ; YbfY UbX'hY; YbfY: ]a ' ]b'@Yc'6fUi XmUbX'A Ufg\U` 7c\Yb'fYXgŁž8[^_ FZWāck S` V 5df[Ue_ ff h' YXb"Łž fBYk 'Mcf_ 'C I Zc fX' I b]j Yfg]hmcZ7 U]Zc fb]U'DfYggž&\$\$ ( Ł * - % + \$ &
K YY_ , . * '5df]' ! '% \$ 5df]		Bc`WUggYg'gWXYi `YX'h ]g'k YY_ "
K YY_-. '% '5df]' ! '%+ 5df]	@YWi fY	8cW a YbHfM
	GWYYb]b[	FZW9`MS` Wē S` V ; fi fUbWž5 [ bĀg'J UfXUž&\$\$\$Ł , &a ]bg
	Hi hc f]U`	Hi hc f]U` F YUX]b[ . '6f]Ub'K ]bgrcbž'fb'fcXi W]cb. H\Y'8cW a YbHfM: ]a žf]b'6f]Ub'K ]bgrcb'fYXŁFZW 6aUg_ W fSck 8[^_ 4aa] fřcbXcb. 'DU[ fUj Y A UWā ]`Ub. '&\$% Łž'dd"'%&- /A Y']ggU'5bXYfgcbž'H\Y A cXYgh; Ygh fY'cZ hY: ]a a U_Yf. '5b' b hYf ]Yk k ]h' 5 [ bĀg'J UfXU'ž5 [ WSe fWē &* . ( 'fi U`'&\$\$Ł' dd" &(!&+/7\ f]g'8Uf_Yžff Yž gYb]_gžfE [YZf S` V E ag` V'j c` "'%&=ggj Y'%f'Ubi Ufm&\$\$\$Ł' dd' '&' ' "
K YY_ '%\$. '&\$ 5df]' ! '& 5df]	@YWi fY	< cb[ '? cb[ 'BYk 'K Uj Y'7 ]bYa U. 'K cb[ '? Uf]K U]
	GWYYb]b[	5Zg` Y] [ Y 7j bdWēe fK cb[ '? Uf]k U]ž%- - ( Ł%\$& a ]bg
	Hi hc f]U`	Hi hc f]U` F YUX]b[ . ; ]bU'A UfWYh]ž'fb i m]b[ 5a Yf]W]bž7 cbgi a ]b[ '< cb[ '? cb[ . '7i 'h fU' 7ca a YfWž: UbH]g]Yg'cZ`Yb]mž'UbX'hY'7 ]bYa Ufi ]b'Dcg\Y_ : i / '8Uj ]X'8YggYf'fYXg"Ł'FZW5 [ W_ S aX : a` Y = a` Y, : [efackŁ 3dfel ; VW fřkžf7 Ua Vf]X[ Y / BYk 'Mcf_ '7 Ua Vf]X[ Y I b]j Yfg]hmcZ7 U]Zc fb]U'DfYggž&\$\$\$Ł' dd" &, -!' % /8Uj ]X'6cfXk Y`žff ca UbW' C b' Mci f A Ybi . '5Zg` Y] [ Y 7j bdWēef]b'8Uj ]X 6cfXk Y`žB`S` Wf: a` Y = a` Y, Babg'Sd5 [ W_ S S` V fZW3df aX7` fWfS[ _ W fř7 Ua Vf]X[ YžA Ugg". < Uf] UfX' I b]j Yfg]hmcZ7 U]Zc fb]U'DfYggž&\$\$\$Ł' dd' '&, &!&, - "

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

D`YUgY`gYY`h`Y`W`i fgY`A ccX`Y`g]h`

F YWca a YbXYX`F Ygci fWg

D`YUgY`gYY`h`Y`W`i fgY`A ccX`Y`g]h`

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

K Y`hU`Y`ghi XYbhZYXVUW`\_]bhc`UW`i bhk` \Yb`fYj` ]Yk` ]b[ `h`Y`W`i fgY`YUW`"m`Uf`"C`j` Yf`h`Y`"UghZYk`"m`Ufgz`  
k`Y` \Uj`Y`UXXYX`hc`d]Wg`cb`gci` bX`UbX`YX]h]b[ `]b`fYgdcbgY`hc`ghi` XYbhZYXVUW`"K`Y` \Uj`Y`U`gc`fYj` ]gYX`  
UggYgga`Ybhg`fYb[`h`UbX`bi`a`VYfE`]b`fYgdcbgY`hc`ZYXVUW`\_cb`h`Y`Hf]a`YghY`f]a`YhUV`Y"



## 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 hW`YX]h`

hUddfcdf]UHY`dUfUd`fUg]b[ .`7`Ub[ ]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 hW`YX]h`UbX`hc`  
d]YW]b[ `hc[ Y`hYf`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'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 'Wc'a a i b]m
- `cWJh'gYfj ]W'g'UbX' ]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 ""

[\hfd. #gj V'YWf i \]XYg" \]VfUfm'i bgk "YXi "Ui #'\]gY#JVci h' \]gY](#)

## 5 WUXYa ]W]bZcfa Uh]cb`

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

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