



# ARTS3991

5 fmg'UbX'GcWU'GWYbWg'7 UdghcbY

Gi a a Yf'##'&\$%-

GWcc'cZ<i a Ub]hYg'UbX'@Ub[i U[Yg'##'I BGK'5 fmg'UbX'GcWU'GWYbWg

7ci fgY`Cj Yfj ]Yk

`GHUZZ7cbhUWhi8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]`UV]`]m	@cWU]hcb	D\cbY
DYHf`G`YnU_	d"g`YnU_4 i bgk "YXi "Ui	6mUddc]bha Ybh	Fcca " % ž A cfj Yb`6fck b	- ' , ) ! & ( &&

GW\cc``7cbhUWhi`bZcfa U]hcb

GW\cc``cZ<i a Ub]hYg`UbX:@Ub[ i U[ Yg

@cWU]hcb. `GW\cc``C Z]W žA cfj Yb`6fck b`6i ]X]b[ ž`@Yj Y``&ž&),

CdYb]b[ `<ci fg.`A cbXUm! : f]XUmž - Ua `!) da

D\cbY. `ž\*%&`- ' , ) `%\*, %

: Ul. `ž\*%&`- ' , ) ; , +\$)

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

# 7 ci fgY'8YHJ]g

7 fYX]hDc]bqg \*`

Gi a a UfmicZhY'7 ci fgY

H\Y'5ftg/`GcWU`GWYbWg'7UdghcbY]g'U'a i`h!X]gWd]bUfmVei fgY`hUhdfcj`XYg'mei`k`h`Ub`cddcfh`b]m  
lc`fYZYWhcb`mci`f`X]gWd]bUfmigh`X]Yg'cj`Yf`hY`dfYj`ci`g`h`fY`Yj`Y`g`cZgh`Xm`'d`Uff]W`Ufz`hY`Vei`fgY`k`j`  
Vebg]XYf`WUgg]Vg`]b`hY`]h`fU`fY`cZ`]VYfU`YXi`W]hcb`lc`Ug`\_`lc`k`U`hYI`h`bhmei`f`gh`Xm`Ug`]j`YX`i`d`lc`hY`  
j`Uf]ci`g`VebW`dhcbg`UbX`]XYU`g`cZU`i`b]j`Yfg]mYXi`W]hcb`"Mci`Uj`Y`U`W`UbW`lc`h`]b`UVci`hmei`f`ck`b`  
X]gWd]bY`]b`Vebj`YfgU]hcb`k`]h`gh`XYbhg`Zca`c`hYf`X]gWd]bYgzk`\\]Y`XYj`Y`cd]b[`mci`f`ck`b`Uk`UfYbYgg`cZ`  
hY`X]gWd]bUfm\_bck`YX[`Y`UbX`i`bXYfghUbX]b[`mci`Uj`Y`UVei`]fYX"

H\Y`Vei`fgY`]g`U]a`YX`UhUgg]gh]b[`mci`k`]h`hY`fUbg]hcb`Zca`mci`f`W`ffYbhXY[`fY`lc`mci`f`fc`Y`]b`hY`k`cf`X`  
Ug`W]h`hYbg]b`Ya`d`cma`Ybhc`f`Z`f`hYf`YXi`W]hcb`"

BchY.`H\Y`Vei`fgY`k`j`VY`a`UXY`Uj`U]UV`Y`Zcf`Gi`a`a`Yf`gYgg]cb`dfcj`X]b[`a`cfY`ZYI`]V]`mZcf`gh`XYbhg`  
a`YY]b[`h`]g`fYei`]fYa`YbhcZhY]f`dfc[`fUa`#`U`cf`ghfYUa`":`cf`gh`XYbhg`Zcf`k`ca`gi`a`a`Yf`]g`bchmei`f`Ugh`  
gYgg]cb`cZYbfc`a`Ybhc`mci`a`i`ghcVhU]b`Uddfcj`U`Zca`mci`f`a`U`cf`Vebj`Ybcf`lc`Ybfc`]b`hY`W]dghcbY`  
dfcj`]XYX`mci`Uj`Y`Vea`d`YhX`hY`bYW`ggUfmVei`fgYg`]b`mci`f`a`U`cf`ghfYUa`"9bfc`a`Ybh]b`hY`W]dghcbY`  
fYei`]fYg`ZUW`mUddfcj`U`"D`YUgY`VebUWh`hY`:[UW`hmGh`XYbh7YbhY`](#)"

# 7 ci fgY@YUfb]b[`Ci hVca Yg

%`5ftg`U`hY`Ub`i`bXYfghUbX]b[`cZ`hY`h`Yc`fY]W`U`UbX`a`Y`h`c`X`c`c[`]WU`df]bWd`Yg`cZ`hY`f`X]gWd]bY`  
&`8`Ya`cbghfU`h`Vea`dfY`Ybg]cb`cZY`h`]WU`UbX`gcWU`fYgdcbg]V]`]hYg`]b`hY`dfUW]W`cZ`hY`f`X]gWd]bY`  
'`"5ftg`U`hY`hY`k`Um]g`]b`k`\\]W`hY`f`X]gWd]bUfm]fU]b]b[`Vei`X`VY`i`gYX`]b`Z`f`hYf`gh`Xmcf`hY`k`cf`X`  
cZk`cf`  
("7ftg]W`mYj`U`i`U`hY`UbX`fYZYWhcb`\_YmUf[`i`a`Ybhg`UbX`XYVU`hYg`]b`hY`\\i`a`Ub]hYg`UbX`gcWU`  
gWYbWg`"

# HYUW]b[`GhfU]h[`]Yg`

H\Y'5ftg/`GcWU`GWYbWg'7UdghcbY`dfcj`XYg`gh`XYbhg`k`]h`hY`cddcfh`b]m`lc`fYZYWhcb`hY]f`  
X]gWd]bUfmigh`X]Yg'cj`Yf`hY`dfYj`ci`g`h`fY`Yj`Y`g`cZgh`Xm`5g`k`Y`Ug`XYa`cbghfU]h[`hY]f`i`bXYfghUbX]b[`  
cZ`hY`a`U`cf`hYc`fY]W`U`UbX`a`Y`h`c`X`c`c[`]WU`df]bWd`Yg`k`]h`]b`hY`f`X]gWd]bY`Z`gh`XYbhg`k`j`Vebg]XYf`hY`  
Yh`]WU`UbX`gcWU`fYgdcbg]V]`]hYg`UggcWU`hY`X`k`]h`hY`f`UfYU`cZ`gh`Xm`UbX`k`j`cc`\_`lc`hY`Z`h`fY`lc`  
i`bXYfghUbX`ck`hY]f`gh`X]Yg`Uj`Y`dfYdUfYX`hY`a`Zcf`U`WUfYf`cf`Z`f`hYf`gh`Xm`

H\Y`Vei`fgY`k`j`VY`gh`XYbhW`bhfYX`UbX`gYa`]bUf`Xf]j`Yb`"H\Y`a`U`cf`UggYgga`YbhUg`\_k`j`VY`U`fYgYUfW`  
YggUm`k`\\]W`k`j`U`ck`gh`XYbhg`lc`XYa`cbghfU`h`hY]f`UW`]Yj`Ya`YbhcZ`hY`:`fUXi`U`hY`5ftf]Vi`hYg`Zcf`hY]f`  
UfYU`cZ`gh`Xm`5`ei`fbU`dcfZc`]c`k`j`VY`\_Ydhi`h`fci`[`\\`hY`Vei`fgY`k`\\]W`k`j`U`ck`gh`XYbhg`lc`fYZYWhcb`  
hY]f`YUfb]b[`cj`Yf`hY`h`fY`Yj`Y`g`cZ`hY`]f`a`U`cf`"

H\Y`Vei`fgY`k`j`]b]c]j`Y`gYa`]bUf]gmiY`]bhYfUW]j`Y`X]gW`gg]cb`VUgYX`cb`hY`]XYUg`UbX`gh]a`i`i`g`cZk`YY`\_m`  
fYUX]b[`g`"DUff]W]dUbhg`k`j`VY`fYei`]fYX`lc`a`U`\_Y`k`c`dfYgYbU]hcbgZ`YUX]b[`X]gW`gg]cb`Vm[`]j`]b[`U`W]h]W`  
UbU`mg]g`UbX`cj`Yf`]Yk`cZ`\_Ym]XYUg`]b`hY`fYUX]b[`g`Ug`hYgY`VYUf`cb`hY]f`ck`b`X]gWd]bY`UbX`j`]Yk`g`  
7ftg]W`z`UbU`m]h]W`h`]b]b[`k`j`U`gc`VY`XYj`Y`cdYX`h`fci`[`\\`Ub`YI`h`bXYX`z`W]h]WU`UWXYa`]WYggUmcb`U`  
lc]d]Wlc`VY`W`cgYb`]b`Vebgi`fU]hcb`k`]h`hY`Y`W`i`fYf`"

# 5ggYgga Ybh

Gi [ [ YghYX`YggUmhcd]Mg`k ]`VY`dfcj ]YXX`cb`A`ccXY"

5bmWcbj Ybh]cbU`UWJXYa ]WfYZfYbW]b[ `gmghYa `]g`UWVY`dHUV`Y"

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y`8UH`	Gh XYbh@YUfb]b[ Ci hWta Yg`5ggYggYX
F YgYUfW`9ggUm	( \$i	&#%&#&\$% `%%`\$\$`DA	%&
GYa ]bUf`dfYgYbhU]cb`k`f]hY! i`d`	&\$i	&#%&#&\$% `%%`\$\$`DA	(
A ]X!hYfa `hU_Y!\ca Y Ugg][ ba Ybh	&\$i	&#%&#&\$% `%%`\$\$`DA	(
F YZYW]j Y`Ugg][ ba Ybh	&\$i	&#%&#&\$% `%%`\$\$`DA	&Z

## 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`F YgYUfW`9ggUm

GhUfhXUH. `-\$- #%%&#&\$% `%%`\$\$`DA

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

8YHJ]gH\]g`]g`hY`ZbU`UggYgga YbhZ`f`UH`bXUbVW`di

%o

%o

fYdcftg"

5ggYgga Ybh' . 'A ]X!hYfa 'hU\_Y!\ca Y'Ugg][ ba Ybh

GHUfhXUHY. 'Bch5dd`]WVY`

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

8YHU]`g. %) \$\$'k cfXg" Gh XYbhg'a i ghW]h]WU`mUbU`mgY`Ugg][ bYX`Ufh]WYg": YYXVUW`j ]U`]bX]j ]Xi U`  
Wca a Ybhg"

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

5fh]WYg`Zcf`W]h]WU`UbU`mg]g`k ]`VY`a UXY`Uj U]`UV`Y`cb`A ccX`Y"

Hi fb]h]b`gYh]b[ . H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h`fci [ \ `Hi fb]h]b`UbX`gh XYbhg`WU`b`gYY`Hi fb]h]b`g)a ]Uf]hm  
fYdcftg"

5ggYgga Ybh( . 'F YZYW]j Y`Ugg][ ba Ybh

GHUfhXUHY. 'Bch5dd`]WVY`

@Yb[ h. ; \$\$'k cfXg

8YHU]`g. ; \$\$'k cfXg" Gh XYbhg'a i ghUfh]W`UHY`h`Y`k`Um]g`]b`k` \ ]W`h`Y`f`X]gW]d`]bUfmi]fU]b]b[ `Wci `X`VY`i`gYX  
]b`Z`fhYf`gh`Xmicf`h`Y`k`cfX`cZk`cf`\_"

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

Hc`Y`d`a`U`\_`Y`h`Y`Ugg][ ba Ybhia`cfY`Zc`W`ggYXz`gca`Y`Ufh]WYg`k` ]`VY`dfcj ]XYX`cb`A`ccX`Y`k` \ ]W`a`UmVY  
fYZffYX`h`c"

Hi fb]h]b`gYh]b[ . H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h`fci [ \ `Hi fb]h]b`UbX`gh XYbhg`WU`b`gYY`Hi fb]h]b`g)a ]Uf]hm  
fYdcftg"

5 hYbXUbW F Yei ]fYa Ybhg

		<p>%"7"D"Gbck.H\Y`Hk c`7i`h`fYg</p> <p>&amp;" ; ""@UXgcb!6]`b[ g.`Hck UfXg`U`H\YcfmcZ 7i`h`fU`mF`Y`Yj`UbhDYXU[ c[ m</p> <p>.</p> <p>8YW@a VYf`*.`BUh`cbU`]ga`žDfcdU[ UbXUž `bXcWf]bUh]cb</p> <p>%"; ""C`fk`Y`".`B`ch`g`c`b`BUh`cbU`]ga</p> <p>&amp;"`5fi`bX\Uh]F`cm`H\Y`9bX`cZ`a`U[ ]bUh]cb</p> <p>.</p> <p>.</p>
<p>K`YY_`".`%\$`8YW@a`VYf`! %*`8YW@a`VYf`</p>	<p>GYa`]bUf`</p>	<p>8YW@a VYf`%%`9j`]XYbWž`ž&gt;i`gh]Z]WU]cbžF`U]cbU` 6Y`]YZ</p> <p>K`"?`"7`]Zc`fX.`H\Y`9h.]Wg`cZ6Y`]YZ</p> <p>K`" "&gt;Ua`Yg.`H\Y`K`]"`tc`6Y`]Yj`Y</p> <p>.</p> <p>8YW@a VYf`%&amp;.`GcW]U`7`cbg]fi`W]j`]ga`ž C`f]Yb]U`]ga</p> <p>%`"D`"G`YnU_`.GcW]c`c[`mcZGW]YbW] /`9Xi`WU]cb</p> <p>&amp;"`9`"GUÈX.`C`f]Yb]U`]ga</p> <p>'`"B`"7`\ca`g_m`H\ci`[`\hg]cb`i`b]h`Y`W]i`U`g`/`h`Y G]W]cc`g</p> <p>.</p> <p>8YW@a VYf`%`.H\Y`K`Ygh]fb`7`U]cb</p> <p>%`"&gt;Yfca`Y`9`"A`cff]g.`A`U`W`a`L`f]7`f]h]ei`Y`cZ 9Xi`WU]cb`cZ6`UW_`DYcd`Y</p> <p>&amp;"`&gt;c\b`GYUfY.`H\Y`G]c]fa`C`j`Yf`h`Y`i`b]j`Yfg]m</p> <p>.</p> <p>.</p> <p>.</p>





F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

7ci fgY`fYUX]b[ g`k ]`VY`Uj U]UV`Y`cb`]bY`]b`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

BchiUj U]UV`Y

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

Gh XYbhZYXVUW\_k ]`VY`h`fci [ \`h`Y`Ubcbrma ci g`cb`]bY`A m9I dYf]YbW`gmgf`a "

# Gi Va ]gg]cb'cZ5ggYgga YbhHUg\_g

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

Ʒmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UHYa dh]b[ 'hc'gi Va ]hrci f'Ugg][ ba YbhHfci [ \ 'Hi fb]h]bzd'YUgY  
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-', ) ' ' ' %cf'Ya U]'hYa 'cb' [YI HYfbU'HY'fji 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'mYUfL' Ʒmci  
UFY'i bUVY'hc'gi Va ]hrci f'Ugg][ ba YbhXi Y'hc'U'ZU' 'hk ]h'Hi fb]h]b'mci 'a UmiUdd'miZcf'Ub'YI HYbg]cbZ'Vi hrci  
a i ghfYhU]b'mci f'h]W\_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb[ 'k ]h'UbmchYf'fY'Yj UbhXcW a YbhgE'hc  
]bWi XY'Ug'Yj ]XYbW'hc'gi ddcfhrci f'YI HYbg]cb'Udd' ]W]h]cb" Ʒmci 'Ya U]'9I HYfbU'Gi ddcfhrci 'k ]`  
Ui hca Uh]W]m'fYW'j] Y'U'h]W\_Yhbi a VYfZ'Vi h]Zmci 'HY'Yd\cbY'mci 'k ]`bYYX'hc'gdYW]Z]W]m'Ug\_'Zcf'cbY"  
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUH'g'cb'hY]f'gmg'hYa 'ghU]h'g'cb'Hk ]hYf"

; YbYfU'm'UggYgga YbhHUg\_g'a i ghVY'gi Va ]hYX'Y'YWfcb]W]m'j ]U'Y]h'Yf'Hi fb]h]b'cf'U'A ccX'Y  
Ugg][ ba Ybh' 'b ]bghUbW'g'k \YfY'h.]g ]g'bcidcgg]V'YZ'hk ]`VY'ghUH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]h'k ]h  
U'hYfbU]h] Y'gi Va ]gg]cb'XYhU]g"

: cf]bZ'fa Uh]cb'cb'\ck 'hc'gi Va ]hUgg][ ba Ybh'cb']bY'j ]U'A ccX'Y.

[\h\]dg.#gh XYbhi bgk "YXi "Ui #ck !gi Va \]hUgg\]\[ ba Ybh'a ccX'Y](#)

@UH'5ggYgga YbhDYbU'h]Yg'

Gh XYbh]U'fY'fYgdcbg]V'Y'Zcf'hY'gi Va ]gg]cb'cZUggYgga YbhHUg\_g'Vmi'hY'f'Yei ]fYX'XUH'g'UbX'h]a Yg"  
8YdYbX]b[ 'cZ'hY'YI HYbh'cZXY'Um]b'hY'gi Va ]gg]cb'cZUb'UggYgga YbhHUg\_g'dUgh'hY'Xi Y'XUH'UbX'h]a Yz  
cbY'cZ'hY'Zc'ck ]b[ 'UH'dYbU'h]Yg'k ]`Udd'mi b'Ygg'gdYW]U'W'cbg]XYfU]h]cb'cf'U'V'Ub\_YhYI HYbg]cb'Xi Y'hc'U  
hVXb]W]ci hU] Y' ]g[ fUb'hYX": cf'hY'di fdcgY'cZ'UH'dYbU'm'W]W'Uh]cbZ'U'XUm']g'XYYa YX'hc'VY'YUWX

h\Y'k cf\_]g'U'Wta di `gcfmWti fgY'Wta dcbYbhflni fX'Y'fYei ]fYa YbhZ'U'ghi XYbhk ]`VY'XYYa YX'hc'\Uj'Y'a Yh  
hUhfYei ]fYa Ybh'

K cf\_]gi Va ]hYX'&\$'cf'a cfY'XUmg'UZhf'hY'gh]di `UhYX'XYUX']bY'k ]`bchVY'UWVdhYX'Zcf'UggYgga Ybh  
UbX'k ]`fYW]j Y'bc'ZYXVUW\_Z'a Uf\_'cf'[ fUXY"Z'hY'UggYgga YbhUg\_]g'U'Wta di `gcfmWta dcbYbhicZ'hY  
Wti fgY'U'ghi XYbhk ]`fYW]j Y'Ub'l bgUhgZUWcfmi: U]'fl : E'[ fUXY'Ug'U'fYgi `hcZi bgUhgZUWcfmidYfZ'fa UbW  
]b'Ub'YggYbh]U'Wta dcbYbhicZ'hY'Wti fgY"

H\]g']bZ'fa Uh]cb]g'U'gc'Uj U]UVY'Uh [\hfdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbhghi XYbhg#JWJXYa \]W  
\]bZ'fa Uh\]cb#dfchW'g!\[ i \]XY\]bYg#](#)

Gi dd'Ya YbhUfmUggYgga Ybhg'

H\Y'Z'fa `cZ'hY'gi dd'Ya YbhUfmUggYgga YbhYXX'bchVY']XYbh]W'hc'hY'cf][ ]bU'UggYgga YbhVi h]ha i gh  
UggYgg'hY'gUa Y'YUfb]b[ `ci hWta Yg"

5'gi dd'Ya YbhUfmUggYgga Ybhk ]`VY'cZYfYX'hc'U'ghi XYbhk \c'ZU]g'Ub'UggYgga YbhUg\_]b'Y]hYf'cZ'hY  
Z'ck ]b[ `WfW a ghUbwg.

f`DfYj Ybhmc i`Zca`Wca d`Yh]b[`U`Wci fgY`fYei ]fYa Ybř

f`?YYd`mci`Zca`UHYbX]b[`Ub`UggYggUV`Y`UW]j`]mž

f`Ghd`mci`gi Va`]h]b[`UggYggUV`Y`k cf\_`Zcf`U`Wci fgYž

f`G][`b]Z]W]b]h]m]U]Z]Y]W]h]m]i`f`d`Y`f`Z`c`f`a`U`b`W`W`]`b`U`g`g`Y`g`g`U`V`Y`k`c`f`\_`ž`V`Y`]`h`U`Z`c`f`a`U`Y`b`X`!`c`Z`h`f`a`Y`I`U`a`]`b`U`h`c`b`ž`U`W`U`g`g`h`Y`g`h`ž`U`U`V`c`f`U`h`c`f`m`h`Y`g`h`ž`U`g`Y`a`]`b`U`f`d`f`Y`g`Y`b`h`U`h`c`b`c`f`U`b`m`c`h`Y`f`Z`c`f`a`c`Z`U`g`g`Y`g`g`a`Y`b`h`

:`c`f`Z`f`h`Y`f`X`Y`h`U`]`g`]`b`f`Y`U`h`c`b`h`c`G`d`Y`W`U`7`c`b`g`]`X`Y`f`U`h`c`b`]`b`W`i`X`]`b`[`K`Y`b`h`c`5`d`d`m`ž`<`c`k`h`c`5`d`d`m`U`b`X`G`i`d`d`c`f`h`]`b`[`8`c`W`a`Y`b`h`U`h`c`b`d`Y`U`g`Y`f`Y`Z`f`h`c`h`Y`G`d`Y`W`U`7`c`b`g`]`X`Y`f`U`h`c`b`k`Y`V`g`]`h`.

[\h\]d\]g.#g\]h`XYb\]h`i`bgk`"YXi`"Ui`#gdYWU`!Wcbg\]XYfU\]h\]cb`](#)

## 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]hU`bX`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 bXYfghUjX'mci f'f][ \hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wc'dmf][ \hžI BGK 'Gh XYbh7cXY'cZ7cbXi W'UjX'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'gh'UjX'Uf'X'g'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yf'mc'by'']b'h'Y'I BGK 'W'a a i b]m
- `cW'U'Y'gY'fj ]W'g'UbX'j]b'Z'c'f'a U'h'c'b'U'V'c'i h'I BGK 'UbX'I BGK '@]V'f'U'f'm

Gca Y'cZ'Y'gY'U'f'Y'U'g'k ]`VY'Z'Ja ]]U'f'hc'mci ž'c'h'Y'f'g'k ]`VY'b'Yk " ; U]b]b[ 'U'gc`X'i bXYfghUjX]b[ 'cZU`h'Y fY'U'Y'X'U'gd'Y'W'g'c'Z'9@-G'9'k ]`Y'd'mci 'a U\_Y'h'Y'a c'g'h'c'Z'mci f'g'h X]Y'g'U'hl BGK ""

[\h'c'.#\]j V'Y'W'f'i \]X'Y'g"\]V'f'U'f'm'i b'g'k "Y'X'i "U'i #' \]g'Y'#\]V'c'i h'Y' \]g'Y](#)

