



# ARTS2755

8Yj Y`cda Ybh]b`DfUWjWY. `< i a Ub]hUf]Ub`5W]cb

HYfa `CbY`#`&\$%-

7 ci fgY`Cj Yfj ]Yk

`GHUZZ`7 cbhUW`i8YHJ]`g`

`7 cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]`m	@cWjhcb	D\cbY
5bh\cbmNk ]	U"nk ]4 i bgk "YXi "Ui	D`YUgY`Ya Uj`hc UffUb[ Y`hja Y/d`UW Wti fgY`UbX`jggi Y`jb gi V`YWh\YUX]b[ " DfYZfUV`mH\i fgXUm %%\!%&\	F cca `&) ž ; fci bX`Zccfž A cfj Yb`6fck b 6i ]X]b[	\$( &' *- *(- \$

`Hi hcfg`

B Ua Y	9a Uj`	5j Uj`UVj]`m	@cWjhcb	D\cbY
? Ujfu`7 UbYH`	_"WbYH`4 i bgk "YXi "Ui	h`ci f`VYZcfY gYa ]bUfg`cf`Vm UffUb[ Ya Ybh		

GW\cc``7 cbhUW`i`hZcfa Uhjcb

GW\cc``cZGcWU`GWYbWg

F cca `%) -

A cfj Yb`6fck b`7 &\$

Ya Uj`.igcgg4 i bgk "YXi "Ui

d\cbY. '\$&`-`' , )`% \$+

7ci fgY'8YHJ]`g

7fYX]hDc]bhtg`\*`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWh5fYU.'6WhWab\_ W f E fgV[Wé

Mci `a ][ \hibchVY'UV'Y'hc`WXUb[ Y`hY'k cfXžVi hmc`i`WUb`YUfb`ack`X]a ]b]g\`hY`bY[ Uh] Y`]a dUWhcZ  
bUhi fU`X]gUghYfg`UbX`VebZ]W]bXi WYX`Ya Yf[ YbWYg`": fca`YUfh`ei U\_Yg`hc`ghcfa`g`UbX`fYZ [ YY`W]gYgž  
XYj Y`cda YbhUWVc`fg`Ufci bX`hY`k cfX`UfY`k cf\_]b[ `hc`fYgdc`bX`hc`li`a`Ub]fUf]Ub`Ya Yf[ YbWY`Ug`YZZYW]j Y`m  
Ug`dcgg]V`Y`]b`cfXYf`hc`Ugg]ghj`i`bYfUV`Y`dcdi`U]h]cbg`hc`Z]bX`gc`i`h]cbg`hc`hY`Ya Yf[ YbW]mg]h`i`U]h]cbg`hYm  
Z]bX`hY`Ya`gY`j`Yg`]b`"5g`li`a`Ub]fUf]Ub`Ya Yf[ YbWYg`UfY`YgWU`U]h]b[ `]b`bi`a`VYf`UbX`]b]h]bg]mž`hY`fY`]g`U  
bYWV`gg]m]hc`i`bXYfg]h]UbX`hY`Vc`a`d`YI`Ybj`]fcb`a`Ybh`li`a`Ub]fUf]Ub`UWVc`fg`Uj`Y`hc`a`UbcYi`j`fY`]b`UbX`ack`hc  
XYj Y`cd`YZZYW]j Y`fYgdc`bgY`ghfU]h[ ]Yg`"ž`h]g`Vc`i`fgY`mci`k`]`VY`]b]f`cXi`WYX`hc`hY`Vc`a`d`YI`bUhi`fY`cZ  
bUhi fU`X]gUghYfg`UbX`VebZ]W]bXi WYX`Ya Yf[ YbWYgž`hY`VUg]W]fYei`]fYa`Yb]h]g`UbX`ghfU]h[ ]Yg`Zc`f`YZZYW]j Y`  
li`a`Ub]fUf]Ub`fYgdc`bgYž`UbX`hY`UWVc`fg`h`U]h`k`cf\_]b`h`YgY`gY]h]b[ g`UbX`hY`X]j`YfgY`gYh`cZ`hc`g`U]h`hY`]f  
X]gdcgU`"Mci`k`]`VY`YI`dcgYX`hc`Vc`b]h]i`h]gYbg]h]j`Y`Uddfc`UWYg`UbX`hY`Yh`b]V]g`cZ`li`a`Ub]fUf]Ub`dfUW]h]W`"  
ž`h]g`Vc`i`fgYž`mci`k`]`Uj`Y`hY`cddc`f]i`b]m]hc`UbU`mgY`UbX`XYj Y`cd`U`g]a`i`U]h]X`li`a`Ub]fUf]Ub`Ya Yf[ YbW]h  
UbX`Vc`b]f]Vi`h`]bX]j`]Xi`U`m]UbX`]b`h]Ua`g`hc`Z]bX`hY`VYgh`gc`i`h]cb`"H\]g`k`]`U`ck`mci`hc`UW]j`Y`m]dfUW]h]W`"  
g\_]`g`h`U]h`mci`k`]`bY]X`hc`gi`WY]YX`k`Yb`k`cf\_]b[ `]b`li`a`Ub]fUf]Ub`Ya Yf[ YbWYg`"

7ci fgY`@YUfb]b[ `Ci hVc`a Yg

- %`Gmb`hYg]gYž`Vc`a`dUfY`UbX`i`h]j]gY`\_bck`YX[ Y`UbX`ghfU]h[ ]Yg`hc`k`cf\_]gi`WY]ggž`"m]b]j`c`U]h]Y`  
li`a`Ub]fUf]Ub`Vc`b]h]i`h]g`"
- &`8`Ya`cbg]h]U]h`dfcV`Ya`!gc`j`]b[ `UbX`bY[ c]h]U]h]cb`g\_]`g`Zc`f`k`cf\_]b[ `dfcXi`W]j`Y`m]UbX`YZZYW]j`Y`m]k`]h`U`  
X]j`YfgY`gYh`cZ`UWVc`fg`Zc`f`dcg]h]j`Y`li`a`Ub]fUf]Ub`ci`hVc`a`Yg`"
- '`"`F`YVc`[ b]gY`UbX`U]h]W`U]h`Y`h]W]`fYei`]fYa`Yb]h]g`]b]f]bg]W]hc`li`a`Ub]fUf]Ub`UW]h]cb`"

HYUWX]b[ `GhfU]h[ ]Yg`

H\Y`Vc`i`fgY`\Ug`Uh]h]g`Vc`fY`U`\_Ym]WUgY`gh`Xmk`]h`k`\]W]`mci`fYbh]fY`WUgg`k`]`Yb[ U[ Y`"5XX]h]cbU`YUfb]b[  
UW]j`]h]Yg`k`]`Vf]b[ `]b`c`h`Y`f`WUgY`gh`X]Ygž`gW]bUf]cg`UbX`Vc`b]h]i`h]g`Zc`f`li`a`Ub]fUf]Ub`UW]h]cb`"HYUWX]b[  
ghfU]h[ ]Yg`k`]`Ya`d\Ug]hY`mci`Vf]b[ ]b[ `mci`f`df]cf`YUfb]b[ `hc`hY`WUgg`fcca`ž`UbX`h]Ua`k`cf\_]b`hY`Vc`!  
Vc`b]g]f]i`W]h]cb`cZ`\_bck`YX[ Y`"H\]g`fYd`]W]h]Yg`fYgYUfW]`UbX`dfUW]h]W`Ybj`]fcb`a`Yb]h]g`]b`8Yj`Y`cda`Ybh`Gh`X]Ygž  
k`\]W]`]g`]b]h]f]X]g]W]d`]b]Uf]mž`UbX`k`\]W]`YI`d`]W]h]i]b]W]i`XYg`a`i`h]d`Y`j`c]W]g`hc`dfcXi`W`UW]h]cb`U`V`Y`  
\_bck`YX[ Yf]h]e`"Mci`f`YWh`fYg`k`]`VY`]b]h]fUW]j`Yž`UbX`k`]`]b]W]i`XY`[ fci`d`k`cf\_]ž`]bX]j`]Xi`U`fYZZYW]h]cbž`UbX`  
W]h]W]`fYZZYW]h]cb`cb`Vc`b]h]b]h]i`h]c`f]U`g`k`]`"dfc]j`XY`Ub`cddc`f]i`b]m]hc`fY]Z]bY`mci`f`i`bXYfg]h]UbX]b[ `cZ`\_Ym`  
]ggi`Yg`UbX`Vc`b]W]d]h]"H\Y`fY`k`]`VY`Ub`Ya`d\Ug]g`cb`h]Ua`k`cf\_]b`hY`h`hc`f]U`g`"

5ggYgga Ybh


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

8YHJ]g. 'H\]g'""7 i ghYf'fYgdcBgY""Vi ]Xg'cb'hY'ZfghUggYgga YbhUbX'bj c'j Yg'Wc'UVcfUhj Y  
[ fci dk cf\_"H\Y'UggYgga Ybh\Ug'U'k f]hY'b'UbX'U'gdYU\_]b[ 'dcfh]cb"DUFh5. 'H\Y'7 i ghYf'D'Ub'f%) i '!'%) \$\$  
k cfXgk'6 UgYX'cb'g]h Uh]cb'Vf]Y'Z'k f]hY'b' [ fci d'dfcdcgU'cb'fYgdcBgY'cdh]cbg'Zc'f'\i a Ub]hUf]Ub  
gW'bUf]c"DUFh6. 'b!7'Ugg'; fci d'DfYgYbhU]cb'f%) i 'L'8 i f]b[ ']b!WUgg'YI YfW]gYZ[ fci dg'k ]'dfYgYbh  
hY]fYgdcBgY'dfcdcgU'g'k ]h'chYf' [ fci dg'UbX' [ ]j Y'UbX'fYW]j Y'dYYf'ZYXVUW\_"'k ]'g]a i 'UH'Ub  
]bhYfgYW'cfU'a YY]b[ 'Uhk \]W'U'fUb[ Y'cZ'i a Ub]hUf]Ub'W' ghYfg'k ]'dfYgYbh'hY]f'dfcdcgU'g'Gh XYb]g'k ]'  
fYW]j Y'k f]hY'b'ZYXVUW'UbX'U'a Uf\_YX'fi Vf]Wk ]h]b'hY'b'XUm]cZgi Va ]gg]cb'"H\Y'fi Vf]Wk ]'VY'Uj U]UV'Y  
Uh'hY'ghUfhcZgYa YghYf'hc'U'ck'gh XYb]g'hc'k cf\_'hc UfXg'WYUf'mW'a a i b]W]hY'X'ghUbXUfXg"; YbYf]W  
Wc'\cfhZYXVUW\_]b'WUgg"

5XX]h]cbU'XYHJ]g.

5`gh XYb]g]b'hY'gUa Y'[ fci d'a i ghgi Va ]h'hY'gUa Y'[ fci d'Ugg][ ba Ybh'K Y'k ]'YbXYUj ci f'hc'dfcj ]XY  
ZYXVUW\_'gc'mei 'W]b'j]bW'fdcfU'h'h]g]b]b'c'mei f'[ fci d'f]dUfh]W]dU]cb'j]b'hY'j]bhYfgYW'cfU'Wc'cfX]bU]cb  
a YY]b[ 'gW]YXi 'YX'Zc'f'k YY\_'-'cZ'hY'W'ei fgY"

Hi fb]h]b'gYh]b[ . 'H\]g'Ugg][ ba Ybh]g'gi Va ]hY'X'h'fci [ \ 'Hi fb]h]b'UbX'gh XYb]g'W]b'gYY'Hi fb]h]b'g]a ]Uf]m  
fYdcfhg"

5ggYgga Ybh' . @Yggcbg'YUfbYX'UbX'fYZYW]j Y'dUdYf

GhUfhXUH'.

8YHJ]g. 'f%) \$\$'k cfXgk' 'b'h]g'Yj U'i Uh]cb'fYdcfhghi XYb]g'k ]'fYZYW'icb'hY'j]b!WUgg'g]a i 'Uh]cb'YI YfW]gY  
UbX' [ fci d'k cf\_'z'UggYgg]b[ 'k \Uhk cf\_YX'UbX'X]X'bc]hUbX'k \Uh'hYm]dfcdcgY'hc'Xc'X]ZYfYbhm]b'hY  
Z h' fY'"H\Ymk ]'\Uj Y'Ub'cddcfh b]m]hc'XYa cbg]fU'h'XYd'h'cZi bXYfghUbX]b[ 'UbX'UbU'm]g]b'fY'Uh]cb'hc'Uh  
'YUghcbY'\_'Ym'hYa Y'UfYU'W'ej YfYX'Vm'hY'W'ei fgY'"H\]g'g'hY'Z]bU'UggYgga Ybh'Zc'f'hY'W'ei fgY'"Gh XYb]g

## 5 hYbXUbW F Yei ]fYa Ybhg

H\]g`Wci fgY`Vi ]Xg`Ufci bX[ fci d`Yb[ U[ Ya YbhUbX`g\UfYX`YUfb]b[ " `#]g`YI dYWYX`hUhmc`i`UhhYbX`gYa ]bUfg`k \]W`k ]`cZYb`Uj Y`Vf]YZ`YW`fY ]bdi hg`Ug`k Y`Ug`gfi W`fYX`UW`j ]hYg`" 7`UggYg`a`Um]b]g\`YUf`mhc`U`ck`h`a`Y`Zcf`[ fci dg`hc`k`cf`\_`hc`[ Y`h`Yf`UbX`g\UfY`YUfb]b[ " `Mci`UfY`Ugc`YI dYWYX`hc`dUfh]W`dU`hY`UW`j Y`mcb`]bY`gc`Ug`hc`dfcXi`W`U`W`bgfi`W`j Y`g\UfYX`YUfb]b[ `gdUW`"

Zmci`UfY`bch`\_YYb`hc`di`hU`chcZYZcfh]bhc`h`]g`Wci`fgY`Z`=k`ci`X`UX]`]gY`mci`bch`hc`hU`\_Y`]h`F`U`h`Yf`hU`\_Y`U`a`cfY`h`UX]`h`cbU`Y`W`fY`UbX`h`hc`f]U`!VUgYX`Wci`fgY`h`UhXcYg`bchXYdYbX`i`dcb`UW`j Y`YUfb]b[ `UbX`Yb[ U[ Ya Ybh`

## 7 ci fgY`GW`YXi`Y`


		<p>bg] \hg Zca ' _YmfYUX]b[ g"</p> <p>bfciXi W]cb'hc'[ fci dk cf_ 'WbYI h! 'X]j ]g]cb ']brc [ fci dg"</p> <p>Hm\ccb'Mc'UbXU. 'WbYI h' bYYXgž'UWc'fg'UbX re d'ang'sat'ion's, 'k[e'y" 'ci'h'and'le'ng's'fg'Q'ue's'ti fYUX]b[ g"</p>
K YY_ " . ( 'A UfVX ! '%\$ A UfVX	GYa ]bUf	





		<p>Zca \ck 'h]g'k Yb'3'K \UhW'ci 'X'mci f'[ fci d'Xc VYhYf3</p> <p>K \UhX]X'mci 'YUfb'UVci h'hY'fc'Y'cZchYfg3'</p> <p>8 ]gW gg]cb 'UbX'XYdYb]b[ ' ]bg][ \hg'k ]h]b'[ fci dg" 7 cbgc'XUh]cb'cZ[ fci d'YUfb]b[ "': cW g'cb'Yei ]mž f][ \hgž'W 'h fYž'ghUbXUfXg"</p> <p>&lt; ck 'Xc 'li a Ub]hUf]Ub'cf[ Ub]gUh]cbg'YUfb3'K \Uh WUb'hYmiXc'VYhYf'UbX'\ck 'Xc'hYmiXf]j Y'gi W\ 'YUfb]b[ 3</p> <p>K \Uh[ cYg'k fcb[ 'UbX'k \m3</p> <p>7 cbhf]Vi h]cbg'Zca 'mci f'fYUX]b[ 'UbX'W ffYbh</p>

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

D`YUg`gYY`Wc`YW]cb`cZfYgci fWg`cb`A ccX`Y`UbX`j ]U`@Y[ Ubtc"

F YWca a YbXYX`F Ygci fWg

- 8Yj Y`cda YbhDc`]WnF Yj ]Yk
- 8 ]gUghYfg
- 9i fcdYUb`>ci fbU`cZ8Yj Y`cda YbhF YgYUfW
- ; YbXYf`UbX`8Yj Y`cda Ybh
- ; `cVU` ; cj YfbUbW
- hYfbUhcbU`C f[ Ub]nUhcb
- >ci fbU`cZ8Yj Y`cda YbhGh X]Yg
- >ci fbU`cZ<i a Ub`8Yj Y`cda Ybh
- >ci fbU`cZ hYfbUhcbU`8Yj Y`cda Ybh
- >ci fbU`cZDYUgUbhGh X]Yg
- >ci fbU`cZDYUWVi ]X]b[ `UbX`8Yj Y`cda Ybh
- C I ZcfX`8Yj Y`cda YbhGh X]Yg
- Dfc[ fYgg]b`8Yj Y`cda YbhGh X]Yg
- H\]fX`K cfX`E i UfhYfm
- K cfX`8Yj Y`cda Ybh

? Ym8Yj Y`cda Ybh8 Ufu`Gci fWg`Q fYUhd`UWg`hc`Ub[ `ci hQ

- ; Uda ]bXYf. `[\hd.##k k "\[ Uda \]bXYf"cf\[ #!](#) <Ubg`F cg]b[ `g`Ua Un]b[ `k cfX`cZj ]gi U`nYX

[\hd.##k k "j\]glcbcZi a Ub\]m'cf\[ # #dU\[ Y#bXYI Yg# `cVU'dYUW! \]bXYI](#)

Mci 'k ]`U'gc VYbYZhZca 'VYWca ]b[ 'ZJa ]]Uf'k ]h ; cc[ 'YGWc'Uf'f\hd.##gWc'Uf"[ cc[ 'Y"Wca E'Ug'U'\_Ym  
gYUfWk Yb[ ]bY 'Zcf'UWXYa ]Wdi V']WU]hcbg'UbX'fYdcf'g" 'Mci 'WU]b'gYhi d'h'Y'dfYZfYbW'g'hc'' ]b\_'hc'h'Y  
I BGK '@]VfUfmYj Yb'k \Yb'mci 'UfY'bc'hc'b'WJa di g"

; c'hc'; cc[ 'Y'GWc'Uf2'gYh]b[ g2'' ]VfUfm' ]b\_gz'UbX'Yb'h'f'i b]j Yfg]hmcZBYk 'Gci h'k 'U'Yg' ]b'h'Y'Vcl 'Zcf  
"@]VfUfm'. 'Mci 'WU]b'g][ b'i d'Zcf'HUV'Y'cZ7 cb'h'bh'g'f'HC 7 E'5'Yf'g'Zca 'h'Y'\ca YdU[ Yg'cZfY'Yj Ub'h'ei fbU'gž  
hc'fYW'j Y'Ub'Ya U]'k \Yb'Yj Yf'b'Yk 'Ufh]WYg'UfY'di V']g\YX' ]b'h'U'h'ei fbU'" >ci fbU'k YVg]h'Yg'k ]`cZ'Y'b'WUffm  
]bZ'fa U]h'cb'cb'h'Y'a cghj ]Yk YX'UbX'a cghW]h'X'Ufh]WYg'h'YgY'UfY'' ]\_Y'mhc'VY' ]b'h'fYg'h]b[ 'UbX'cZ'Y'b  
]bZi Yb'h]U'W'cb'f]Vi h'cbg"; cc[ 'Y'GWc'Uf'k ]`U'gc'dc]bh'mci 'hc'Ufh]WYg'h'U'h'Uj Y'W]h'X'U'dUfh]W'Uf'Ufh]WY  
UbX'\YbW'k ]`VY'fY'U'h'X'hc'h'Y'hc'd]W

DfcZ'Nk ]\Ug'U'k ]h'f'UW'W'ci bh'h'U'h]g'i gYX'Zcf'XfUk ]b[ 'U'h'bh'cb'U'gc'hc'fY'Yj Ub'h'XYj Y'cda Yb'h'XYVU'h'gž  
dcXWU]g'h'gž'Vcc\_'fYj ]Yk g'UbX'di V']WU]h'cbg" 'Z'mci 'UfY'cb'k ]h'f'fž  
Z'ck '\hdg.##k ]h'f'W'ca #<95F8UH BGK '! 'U'gc'\Ug'U'g[ g' 8Yj Gh Xg'; ; `cVU'8Yj ; 5F HG%+\$)  
( 5F HG&+) ) ; 7CA 8) \$\$\$ ; 7CA 8) \$\$% ; 7CA 8) \$\$&" 'h'Y'fY'UfY'U'gc'bi a Yfci g'j U'i U'V'Y'k ]h'f'f' ]g'h'g'cb  
4 <95F8UH BGK 'fY'U'h'X'hc'XYj Y'cda Yb'h'Z'i a Ub'f[ \h'gž'i a Ub]Uf]Ub'dc' ]W'h]ggi Ygž'ß; C gž  
XYj Y'cda Yb'hdc' ]W'h]UbX'fY'U'h'X' ]ggi Yg'! 'W'Y'W' 'h'Ya 'ci h'M'ci 'X'cb'f'f'ib'Y'YX'hc'V'fc'U'X'W'U'gh'k \U'h'mci '\U'X'Z'cf  
V'fYU\_Z]gh'hc'XYf]j Y'VYbYZhZca 'k ]h'f'f'" ]h'g'U'i gYZ'`gci fW'cZi d!hc!XU'h'XYVU'h'gž'W'h]ei Ygž'fYgci fW'gž  
`cVg'UbX'cddcf'h]b]h]Yg'Q'UbX'm'gž'U'`ch'cZ'bc'h'g'ci gYZ'`g'h] Z'hc'c'!f!Q

### 7ci fgY'9j U'i U]h'cb'UbX'8Yj Y'cda Ybh

Gh XYbhZYXVUW'UbX' ]bg][ \h'g'\Uj Y'VYYb'h'U\_Yb'j YZ'm'gYf]ci g'm'UbX'\Uj Y' [ fYU'h'm]bZi Yb'W'X'V'ch'\ck'h'Y  
W'ci fgY' ]g'gh'f' W'h'fYX'UbX' ]h'g'W'cb'h'bh'h'Y'g'h'f'Yb[ h'g'c'Z'h'Y'W'ci fgY'UfY'gh'f' W'h'fYX'U'fci b'X'Ub' ]b]X'Yd'h'W'U'gY  
gh'Xm! 'Vi h'h'Y'W'U'gg'k ]`W'c'j Yf'U'j Uf]Y'm'c'Z'ch'Y'f'g'W'W'U'f]c'g'UbX'c'Z'Y'f'c'dd'cf'h]b]h]Yg'Z'cf'mci f'ck b'fY'gY'U'f'W'X  
UbX'Yi d'cf'U]h'cb'" 'h]g'i d'hc'mci 'hc'cd'Y'b'ci h'U'X'X'h]cb'U'U'fY'U'g'c'Z' ]b'h'fY'g'h'h'fci [ \m'ci f'fY'gY'U'f'W'X'UbX  
W'cb'f]Vi h'cbg'hc'X]g'W'gg]cb'cb' ]bY'UbX' ]b'W'U'gg"

5hU'`h'a Yg'k Y'k Y'W'ca Y'W'cb'gh'f' W'h]j Y'W'ca a Ybh'g'UbX'W'h]ei Y'cZ'ck 'VY'h'f'hc'cf[ Ub]gY'UbX'U'ff'Ub[ Y'ci f  
W'U'ggYg'!\Y'd'g'U'd'Y'ci f'g'U'fY'X'Y'U'f'b]b[ 'Yb] ]f'c'ba Ybh'g'c'h'U'h'Yj Y'f'm'c'X'm'VY'bY'Z'h'g"

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Hi fb]hb`Gi Va ]gg]cb

Ʒmci`YbWci`bhYf`U`dfcV`Ya`k`Yb`U`H`Ya`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]hb`z`d`Y`UgY`  
H`Y`d`l`cb`Y`9I`H`fb`U`Gi`ddcfh`cb`-`,`)`'`'`'`%`cf`Ya`U]`h`Ya`cb`YI`H`fb`U`H`h`gi`ddcfh`4`i`bgk`"YXi`"Ui`"Gi`ddcfh`  
`l`ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`fI`\*)`XUmg`U`m`Y`UfL`"Ʒmci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`Xi`Y`hc`U`Z`U`h`k`]h`Hi`fb]hb`mci`a`Um`Udd`m`Z`f`Ub`YI`H`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VYf`Z`ca`9I`H`fb`U`Gi`ddcfh`f`U`cb[`k`]h`Ub`m`c`h`Y`f`f`Y`j`Ub`h`X`c`W`a`Y`b`h`g`L`hc`  
]b`Wi`X`Y`U`g`Y`j`]X`Y`b`W`hc`gi`ddcfh`mci`f`YI`H`bg]cb`Udd`]W`h]cb"Ʒmci`Ya`U]`9I`H`fb`U`Gi`ddcfh`mci`k`]`  
Ui`h`ca`U`h]W`m`f`Y`W`]j`Y`U`h]W`Y`hbi`a`VYf`z`Vi`h]Z`mci`H`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`]W`m`U`g`\_`Z`f`cb`Y`  
Hi`fb]hb`U`gc`d`fcj`]X`Y`g`i`d`X`U`H`g`i`cb`h`Y`j`f`g`m`g`h`Ya`g`h`U`h`g`i`cb`Hk`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Ybh`HUg\_g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`cb]W`m`j`]U`Y`]h`Y`f`Hi`fb]hb`cf`U`A`cc`X`Y`  
Ugg][`ba`Ybh`h`h`b]bg`h`Ub`W`g`k`Y`f`Y`h`l`g`]g`b`ch`id`cgg]V`Y`z`]h`k`]`V`Y`g`h`U`H`X`i`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`f`b`U`h]j`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`cf`]b`Z`c`fa`U`h]cb`cb`l`ck`hc`gi`Va`]h`Ugg][`ba`Ybh`g`cb`]b`Y`j`]U`A`cc`X`Y`.\`h`td`g`#`gh`X`Y`b`h`i`bgk`"YXi`"Ui`#`ack`!  
gi`Va`]h`Ugg][`ba`Ybh`a`cc`X`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 gZ`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[ YgZ`UfhUbX`XYg][ b`dfc`YWgZ`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`Ub[ ]b[ `U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmifYU]b]b[ `hY`cf][ ]bU`  
ghfi W`i fY`UbX`#`f`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`Z`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`Yz`k ]h`ci hUddfcdf]UHY`fYZYfbW]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`XUHY`Zc`f`Zc`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'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dY'W'X'cZYj Yfmcby']b'h'Y'I BGK 'W'a a i b]m
- `cW'W'h'gYfj ]W'g'UbX' ]bZcfa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k ]`VY'ZJa ]]Uf'hc'mci ž'c'h'Yfg'k ]`VY'bYk " ; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU`'h'Y  
fY'U'Y'X'UgdY'W'g'cZ9@G9'k ]`'Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\h'c.#\]i V'Y'W'i \]X'Yg"\]VfUfm'i bgk "YXi "Ui #' \]gY#\]Vci h' \]gY](#)

## 5 WUXYa ]WbZcfa Uhcb`

: cfYggYbh]U`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/
- gdYW]U`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

[\hhdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbhghi XYbh\]bZcfa Uhcb`dfc\]Vc`g!\[ i \]XY`\]bYg#](#)

⇒ U[ Y`7 fYX]h

D\chc.`5bh]cbmNk ]!`7U`YbXUf`\][ \ ][ \h]b[ `Y`Ya Ybhg`cZ`Vi ]X]b[ `VUW`VYhYf`UZYf`BYdU`YUfh]ei U\_Y`]b &\$\$%)`"K \UhY`gY`Xc`mci `bchY`]b`h]g`d\chc[ fUd`\`fk \YhYf`cf`bchmci `gdYU`\_BYdU`]E3

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY.`\$\$\$- ;