



# LING5015

8 ]gWt i fgY `5 bU`mg]g

HYfa `H\ fYY`##`&\$%-

7 ci fgY`Cj Yfj ]Yk

`GHUZZ7cbhUWhi8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]`UV]`]m	@cWU]hcb	D\cbY
7\]fUHU`H\ca gYb	WU\ca gYb4 i bgk "YXi "Ui	VmUddc]bUa Ybh	A cfj Yb`6fck b	Z`*%&-' , ) %( **

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

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

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

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

D\cbY. `Z`\*%&-' , )`%\*, %

: U!.`Z`\*%&-' , )` , +\$)

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

7 ci fgY'8YHJ]`g

7 fYX]hDc]bqg '\*`

Gi a a UfmcZ\Y'7 ci fgY

H\]g`Wci fgY'XYj Y`cdg`mci f'fYgYUfW`g\_]`g`UbX`mci f'Uk UfYbYgg`cZ`Ub[ i U[ Y i gY`]b`gcWYfm'5`\_Ym UddfcUWX`Yg`hc`hYI hUbu`mg]g`k`j`VY`fYj`Yk`YX`hc`[ ]j`Y`mci`U`VfcUX`dYfgdYWVj`Yzk`X]W`mci`W`b`Udd`mhc`U`fUb[ Y`cZ`X]gWd`]bUfmW`b`hYI hg`]bW`X]b[ `Udd`]YX`]b[ i ]gh]VgZ`fUbg`Uhc`b`UbX`]b`hY`fdY`Uhc`b`z`a`YX]U`UbX`W`c`a`a`i`b]W]h`c`b`gh`X]Yg`UbX`bUffU]j`Y`UbU`mg]g`"Mci`k`j`"XYj`Y`cd`mci`f`W]h]WU`h`]b\_]b[ `UVci`h`ck`Ub[ i U[ Y i gY`fYZYW`g`UbX`g`UdYg`ci`f`k`c`f`X`UbX`X]gW`gg`gcWU`d`Ybca`YbU`fY`["`"Yei`U`]mZ`gcW]U`↑`gh]W`Z`fYdfYgYbU]h`c`b`cZ`Ugm`i`a`g`YY`\_`YfgZ`Y`h`W`L`h`f`ci`[ `hYI`hUbu`mg]g`"Mci`k`j`"U`gc`Y`Ufb`U`Vci`h`ck`gdYU`\_`Yfg`a`U`\_`Y`W`c`]W`g`hc`d`Y`f`Z`c`f`a`h`Y`f`]X`Y`b`h]mZ`W`c`d`Y`f`U`h`U`b`X`Y`i`d`f`Y`gg`d`c`]h`b`Y`gg`]b`W`c`b`j`Y`fg`U`h`c`b`g`UbX`b`Uff`U`h`d`U`gh`Y`j`Y`b`q`"⊕`h`Y`f`a`g`c`Z`k`f`]h`Y`b`h`Y`I`hgZ`mci`k`j`"gh`X`m`W`c`Y`g]c`b`UbX`W`c`Y`f`b`W`]b`U`W`X`Y`a`]W`k`f`]h`b[ `z`UbX`h`]g`k`j`"Y`d`mci`V`Y`U`V`Y`h`Y`f`k`f`]h`Y`f`":`c`f`mci`f`d`f`c`Y`W`g`Z`mci`k`j`"V`Y`Z`f`Y`hc`W`c`c`g`Y`Z`c`a`U`V`f`c`U`X`f`Ub[ Y`c`Z`h`Y`I`h`m`d`Y`g`]b`W`X]b[ `b`Y`k`g`d`U`d`Y`fg`Z`f`U`bg`U`h`c`b`#`b`h`Y`f`d`Y`h`b[ `h`Y`I`hgZ`U`W`X`Y`a`]W`h`Y`I`hgZ`b`U`h`f`U`W`c`b`j`Y`fg`U`h`c`b`g`UbX`gcW]U`a`YX]U`h`Y`hg`"

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

%`≠`Y`b`h]Z`m`UbX`"U`V`Y`Z`Y`U`h`f`Y`g`c`Z`b`U`h`f`U`W`c`b`j`Y`fg`U`h`c`b`g`]b`9`b[ `]g`h`i`g]b[ `W`c`b`j`Y`fg`U`h`c`b`U`b`U`mg]g`h`W`b]e`i`Y`g`"  
&`F`Y`W`c`f`X`U`b`X`h`f`U`b`g`W]V`Y`U`g`h`c`f`h`W`c`b`j`Y`fg`U`h`c`b`i`g]b[ `h`f`U`b`g`W]d`h`c`b`W`c`b`j`Y`b`h`c`b`g`"  
'`" `8`Y`g][`b`U`f`Y`g`Y`U`f`W`d`f`c`Y`W`h`i`g]b[ `X]g`W`c`i`fgY`UbU`mg]g`a`Y`h`c`X`g`"  
(`" `9`j`U`i`U`h`h`Y`W`c`b`b`Y`W]h`c`b`g`V`Y`h`k`Y`Y`b`U`b[ i U[ Y i gY`UbX`gcW]U`Z`d`c`]h]WU`UbX`W`h`f`U`Z`c`f`a`U`h`c`b`g`"  
)`" `8`j`Y`c`d`U`b`U`b`U`m]h]WU`g`h`f`U`h`[`m`h`c`Y`i`d`c`f`Y`d`U`h`Y`f`b`g`c`Z`g`d`c`\_`Y`b`c`f`k`f`]h`Y`b`X]g`W`c`i`fgY`"  
\*`" `5`f[ i Y`Z`c`f`h`Y`j`U`X]m`i`c`Z`U`X]g`W`c`i`fgY`UbU`m]h]WU`UddfcUWX`UbX`]i`g`h`f`U`h`h`Y`i`gY`c`Z`h`Y`UddfcUWX`h`f`ci`[ `h`Y`I`U`a`d`Y`g`"

HYUWX ]b[ `GhFUH[ ]Yg`

@YUfb]b[ `UbX`HYUWX]b[ `F`Uhc`b`U`Y`

H\Y`W`c`b`h`Y`b`h`k`U`g`W]U`f`Y`Z`"m`g`Y`Y`W`h`X`hc`W`c`j`Y`f`U`"a`U`c`f`h`Y`b`X`g`]b`X]g`W`c`i`fgY`UbU`mg]g`<`c`k`Y`j`Y`f`Z`h`]g`a`Y`U`b`g`h`U`h`h`Y`j`U`f]c`i`g`UddfcUWX`Y`g`U`f`Y`b`c`h`Y`I`d`c`f`Y`X`]b`X`Y`d`h`" `H\Y`U`j`a` `]g`hc`[ ]j`Y`Ub`]b`f`c`X`i`W]h`c`b`hc`Y`U`W`X`UddfcUWX`gc`h`U`h`g`h`X`Y`b`q`W`b`g`Y`Y`W`h`h`Y`V`Y`g`h`UddfcUWX`Z`c`f`h`Y`]f`f`Y`g`Y`U`f`W`d`i`f`d`c`g`Y`g`"

HYUWX ]b[ `GhFUH[ ]Yg`

7`U`gg`Y`g`k`j`"fi`b`Z`c`f`&`\`ci`fg`Z]W]h]h`!`Z]W]W`]b`U`k`c`f`\_`g`h`c`d`Z`c`f`a`U`h`"H\Y`h`Y`U`W`X`]b[ `g`h`f`U`h`[`m]g`hc`W`c`a`V]b`Y`h`Y`h`Y`c`f`Y`h]WU`[`f`ci`b`X]b[ `k`]h`d`f`U`W]h]WU`Udd`]W]h]c`b`g`"A`c`g`h`c`Z`h`Y`h`j`a`Y`k`j`"V`Y`U`c`W]U`h`X`hc`[`f`ci`d`X]g`W`gg]c`b`g`V`U`g`Y`X`c`b`h`Y`d`f`Y`!`g`Y`h`X]g`W`gg]c`b`e`i`Y`g`h]c`b`g`UbX`Y`i`Y`f`W]g`Y`g`U`g`c`i`h]b`Y`X`]b`h`Y`W`c`i`fgY`g`W`X`i`Y`" `@`Y`W`h`f`Y`h`j`a`Y`k`j`"V`Y`]`a`]h`Y`X`Z`c`f`W]U`f]Z]W]h]c`b`c`Z`V`c`b`W`d`h`g`"G`h`X`Y`b`q`U`f`Y`f`e`i`]f`Y`X`hc`d`f`Y`d`U`f`Y`h`Y`]f`U`b`g`k`Y`fg`hc`h`Y`Y`i`Y`f`W]g`Y`g`UbX`U`W]h]Y`m`i`h`U`\_`Y`d`U`f`h]b`W`U`g`g`X]g`W`gg]c`b`":`c`f`h`Y`d`f`c`Y`W`h`U`g`g][`b`a`Y`b`h`g`h`X`Y`b`q`k`j`"W]U`f`f`m`c`i`h`h`Y`]f`]b`X]j`]X`i`U`g`h`X`m`c`Z`X]g`W`c`i`fgY`UbU`mg]g`c`b`g`d`c`\_`Y`b`c`f`k`f`]h`Y`b`Z`c`f`a`g`c`Z`X]g`W`c`i`fgY`"

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
7cbj YfgUhc'b'5bU'mg]g`	' \$i	% #/\$#&\$%- ') da	%z&
Dfc YWHDfYgYbHUhc'b`	&\$i	Bch5dd`]WUVY	( ž*
Dfc YWHD	) \$i	&' #/\$#&\$%- '\$) .\$\$'DA	' ž)

## 5ggYgga Ybh8YHU]`g

### 5ggYgga Ybh%`7cbj YfgUhc'b'5bU'mg]g

GHUfhXUH. Bch5dd`]WUVY

8YHU]`g. Gh XYbhg'k cf\_]b[ fci dg'cZ' hc'Ui X]c# ]XYc!fYWc'FX'U' \$'a ]bi h'Wc'bj YfgUhc'b'Gh XYbhg'fYW]j Y'U [ fci d'a Uf\_'Zcf'hY'fYWc'FX]b[ 'f%\$i E"9UW'gh XYbhHU\_Yg'fYgdcbg]V']hmZcf'U'%'\$!a ]bi h'gY[ a YbhUbX gi Va ]hg'hY'75'UbU'mg]g'cZ'hUhgY[ a Ybh]bX]j ]Xi U`mf&\$i E" H\Y`Yb[ h'cZ'hY'h'fUbgW]dh]g'Uddfcl ]a UH'm %\$\$\$'k cfXg#dYf'gh XYbhk ]h'Uddfcl ]a UH'm%\$\$\$'k cfXg'cZUbU'mg]g'"Gh XYbhg'fYW]j Y'k f]hY'b'ZYXVUW\_"

Hi fb]hb'gYH]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hY'h'fci [ \`Hi fb]hb'UbX'gh XYbhg'Xc'bchgY'Hi fb]hb'g]a ]Uf]mifYdcf]g"

### 5ggYgga Ybh&`Dfc YWHDfYgYbHUhc'b

GHUfhXUH. `

8YHU]`g. H\]g]g'Ub]bX]j ]Xi U`hUg\_"Gh XYbhg'[ ]j Y'U'%'\$'a ]bi h'dfYgYbHUhc'b'cb'hY]f'j]bX]j ]Xi U`8]gWci fgy 5bU'mg]g'Dfc YWHD'Gh XYbhg'fYW]j Y'k f]hY'b'ZYXVUW\_'UbX'dYf'ZYXVUW\_'j]b'WUgg"

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

DfYgYbHUhc'bg'UfY'fcgh'fYX"Gh XYbhgi Va ]h'hY]f'DD'g']XYg'df]cf'hc'hY]f'gWYXi `YX'dfYgYbHUhc'b"

### 5ggYgga Ybh' .`Dfc YWHD

GHUfhXUH. `

8YHU]`g. H\]g]g'U'dfc YWHDUgg][ ba YbhicZ' \$\$\$'k cfXg'Yi Wi X]b[ 'fYZfYbW'g"Gh XYbhg'WkccgY'Ub'UfYU'cZ ]bh'fYgh]b'X]gWci fgy'gh X]Yg'UbX'XYj Y'cd'U'dfc YWHDfcdcgU"H\Y'dfcdcgYX'dfc YWHD'ci 'X'U'gc ]bWi XY gUa d'Y'XUH'UbU'mg]g'i g]b[ 'hY'WkcgYb'a Y'hcX'cZ]gWci fgy'UbU'mg]g'"Gh XYbhg'fYW]j Y'c'fU'ZYXVUW\_'Zca 'hi hc'f'UbX'hY]f'dYf'fki f]b[ 'dfYgYbHUhc'bg'UbX'fYW]j Y'k f]hY'b'ZYXVUW\_'VUgYX'cb'hY'k f]hY'b'gi Va ]gg]cb"



## F Ygci fWg

### DfYgWf]VYX`F Ygci fWg`

- DU`hf]X[ Yž6""-`8]gWłi fgY`UbU`mg]g. `5b`]bhfci Xi W]cb" f&\$\$&ł`di fWUgY`Zca`l` BGK`Vcc\_g\cd
- 6\Uh]U`YhU""-`5Xj UbWg]b`8]gWłi fgY`Gh X]Yg f&\$\$, ł!`Y6cc\_]b`l` BGK`@]VfUfm

### F YWłca a YbXYX`F Ygci fWg

- 6cc\_-`HYI hžWłbHYI hždfYHYI h`7 f]hWU`eggi Yg]b`8]gWłi fgY`5bU`mg]g" f&\$\$ (ł
- 6cc\_-`F Y[ ]ghYfž; YbfYžUbX`GmY f&\$\$- ł
- 6cc\_-`8]gWłi fgY`cZWłi fgY. `5b`cj Yfj ]Yk`icZfYgYUfWł`]b`X]gWłi fgY`gh X]Yg f&\$\$- ł
- 6cc\_-`bhfci Xi W]cb`h`8]gWłi fgY`Gh X]Yg f&\$\$ (ł
- 6cc\_-`5ddfcUWłYg`h`X]gWłi fgY`f% - (ł

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`YUgY`  
H`Y`d`l`cb`Y`9I`H`f`b`U`Gi`ddcfh`cb`-`,`),`"`,`'`,`%`cf`Ya`U]`h`Ya`cb`YI`H`f`b`U`H`f`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`f`l`\*)`XUmg`U`m`Y`Uf`l`"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`f`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`h`bi`a`VY`f`Z`ca`9I`H`f`b`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`W`i`X`Y`U`g`Y`j`]X`Y`b`W`hc`gi`ddcfh`mci`f`YI`H`f`bg]cb`Udd`]W`h]cb"Ʒmci`Ya`U]`9I`H`f`b`U`Gi`ddcfh`mci`k`]`  
Ui`h`ca`U`h]W`m`f`Y`W`j`Y`U`h]W`Y`h`bi`a`VY`f`z`Vi`h]Z`mci`H`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z`W`m`U`g`\_`Z`f`cb`Y`  
Hi`fb]hb`U`gc`d`fc`j`]X`Y`g`i`d`X`U`H`Y`g`i`cb`h`Y`j`f`g`m`g`h`Ya`g`h`U`h`g`i`cb`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Y`bh`h`U`g`\_`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`Y`b`h`h`b`]b`g`h`U`b`W`g`k`Y`f`Y`h`l`g`]g`b`c`h`i`d`c`g`g]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]`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`Y`b`h`g`i`cb`]b`Y`j`]U`A`cc`X`Y`.\`h`td`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`ack`!  
gi`Va`]h`Ugg][`ba`Y`b`h`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" #WUb`hU`Y`a Ubm Zcfa gž Zca`XY]VYfUHY`WXYU]b[ 'hc`UW]XYbU`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`Z`ck ]b[`WU]Y[ cf]Yg.

7cdm]b[.`i g]b[ 'hY`gUa`Y`cf`j`Yfmg]a`]Uf`k`cfXg`hc`hY`cf][ ]bU`hY`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`Uf`h`UbX`XYg][`b`dfc`YWgž`Ug`k`Y`Ug`dfYgYbU]cbg`k`YfY`gca`YcbY`dfYgYbhg`UbchYf`g`]XYUg`cf`k`cfXg`k`]h`ci`hWYX]h`

#Uddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[ ]b[ `U`Z`k`k`cfXg`UbX`d`fUgYg`k`Y`a`cghm`fYU]b]b[ 'hY`cf][ ]bU`gfi`W`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[`dfYgYbU]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`Y`Z`k`]h`ci`hUddfcdf]UHY`fYZYfYbW]b[ "

7c`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\_]7c`i`g]cb`U`gc`]bW`i`XYg`dfcj`X]b[ `mci`f`k`cf\_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi`Y`XU]Y`Zc`f`Zc`f`hY`di`fdcgY`cZ`hY`a`d`U[ ]Uf]g]b[ `Uh`Ubmi]a`Y`Z`dUm]b[ `UbchYf`dYfgcb`hc`dYfZcfa`Ub`UWUXYa`]W]Ug`ž`gh`U`]b[ `cf`UW`ei`]f]b[ `UbchYf`dYfgcb`g`UWUXYa`]Wk`cf\_]UbX`W`dm]b[ `]ž`cZ]f]b[ `hc`W`a`d`Y`h`UbchYf`dYfgcb`g`k`cf\_]cf`gYY\_]b[ `dU`ma`Y`bhZc`f`W`a`d`Y`h]b[ `UWUXYa`]Wk`cf\_]`

#Uddfcdf]UHY`W]h]cb.`7`h]b[ `gci`fW`g`k`]W`U`j`Y`bchVYYb`fYUX`ž`k`]h`ci`hUW\_bck`YX[ ]b[ `hY`"gYW`bXUfm`gci`fW`Zca`k`]W`\_bck`YX[ Y`cZ`hY`a`U`g`VYYb`cV]U]bYX"

8i`d`]W]h]cb`f`fY`Z`d`U[ ]Uf]ga`"L`gi`Va`]h]b[ `mci`f`ck`b`k`cf\_]ž`b`k`c`Y`cf`]b`dUf`ž`k`YfY`]h`U`g`d`fY`]ci`g`m`VYYb`dfY`dUfYX`cf`gi`Va`]hYX`Zc`f`UbchYf`UggYgga`Ybhcf`W`ci`fgY`U`hI`BGK`cf`UbchYf`i`b]j`Yfg]m`

7c`fY`W`fYZYfYbW]b[ `d`fUW]W]g.

- DUfUd`fUg]b[ žgi`a`a`Uf]g]b[ žYggUmk`f]h]b[ `UbX`h]a`Y`a`UbU[ Ya`Ybh
- 5ddfcdf]UHY`i`gY`cZ`UbX`U]h]f]Vi`h]cb`Zc`f`U`fU]b[ Y`cZ`a`U]h]f]U`g`]bW`i`X]b[ `hY`i`ž`]a`U[ Ygž`Zcfa`i`UY`UbX`W`b`W`drg"

#X]j`]Xi`U`Ugg]gh`UbW`]g`U]j`U]UV`Y`cb`fYei`YghZca`h`Y`@`YUf]b[ `7`Yb`fY`f`h`hd`##`k`k`"Wi`bgk`"YXi`"Ui`#`G`h`XYbhg`UfY`U`gc`fYa`]bXYX`h`Uh`W]fYZ`h]a`Y`a`UbU[ Ya`Ybh]g`Ub`]a`dcfU]bh`dUf`h`cZ`gh`Xm`UbX`cbY`cZ`hY`]XYbh]Z]YX`W]i`gYg`cZ`d`U[ ]Uf]ga`]g`d`cc`f`h]a`Y`a`UbU[ Ya`Ybh`G`h`XYbhg`g`l`ci`X`U`ck`gi`Z]W]Y`bh]h]a`Y`Zc`f`YgYUfW`ž`X`fU]h]b[ `UbX`dfcdYf`fYZYfYbW]b[ `cZ`gci`fW`g`]b`dfY`dUf]b[ `U`UggYgga`Ybh]h]a`g"

I BGK`@]VfUfm`U`gc`U`g`hY`9@G9`hc`U`j`U]UV`Y`hc`Ugg]ghmci`k`]h`mci`f`gh`XmU`hI`BGK`"9@G9`]g`XYg][`bYX`hc`]b]f`c`Xi`W`bYk`gh`XYbhg`hc`gh`Xn]b[ `U`hI`BGK`Vi`h]h`W]b`U`gc`VY`U`[`fYU`h`fY`Z]Yg`Yf`Xi`f]b[ `mci`f`gh`Xn`

7ca`d`Y`h]b[ `hY`9@G9`h`hc]f]U`UbX`ei`]n`k`]Y`bU`V`Y`mci`hc.

- UbU`mgY`hc`d]Wgž`d`Ub`fYg`d`cbgYg`UbX`cf[`Ub]gY`fYgYUfW`Zc`f`UWUXYa`]Wk`f]h]b[ `UbX`chYf`UggYgga`Ybh]Ug\_g`





5 WUXYa ]WbZcfa Uh]cb`

: cfYggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `rc.

- 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 ]m]UbX`X]gUV`]m/
- UbX`chYfYggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY

[\h\]dg.#k k k "Uf\]g"i b\]gk "YXi "Ui #W ffYbh\]ghi XYbh\]bZcfa Uh\]cb`dfc\]Vc`g!\[ i \]XY`\]bYg#](#)

⇒ U[ Y`7 fYX]h

7cbj Ybcff]dYfgcbU`d\chc"

7F ⇒ CG

7F ⇒ CG`Dfcj ]XYf`7cXY.`\$\$\$- ;