



# LING5027

F YgYUfVX 'A Yh\cXg']b'@]b[ i ]gh]Wg

HYfa 'H\fYY'##'&\$&\$



GWcc``cZ< i a Ub]h]Yg'UbX'@Ub[ i U[ Yg'`##' I BGK ``5 frg'UbX'GcWU'`GWYbWg

7ci fgY`Cj Yfj ]Yk

GHJZ7cbHJW8YHU`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
5b]i` < Uhcgg	U"Uhcgg4 i bgk "YXi "Ui	6mUddc]bha Ybh	A cfj Yb`6fck b &***	-', ), ' (\$

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@cWjhcb. GWcc`C ZWZA cfj Yb`6fck b`6i ]X]b[ ž@Yj Y`&ž&),

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D\cbY. Ž\*%&`-' , )`%\*, %

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

7 ci fgY'8YHJ]`g

7 fYX]hDc]bhtg '\*`

Gi a a UfmicZ\hY'7 ci fgY

H\]g`Wci fgY`bhfci Wg`Wca a cb`fYgYUfW`a YhcXg`b`]b[ i ]gh]Wg`UbX`Udd`jYX`]b[ i ]gh]Wg`UbX`dfYdUfYg`mci  
Zcf`U`fYgYUfW`!fY`UHx`WUfYf`"Mci `k ]`XYj Y`cd`mci f`g\_]`g`]b`XYg][ b]b[ ]`b[ i ]gh]Wg`fYgYUfW`  
dfc`Y`Wgž`]bW` X]b[ `k f]h]b[ `mci f`fYgYUfW`U]a g`UbX`ei Ygh]cbgž`W`ccg]b[ `mci f`fYgYUfW`UddfcUW`ž  
XYj Y`cd]b[ `XUH`Wc`Y`W]cb`ghfUH`[ ]Yg`UbX`]bghf` a Ybhtg`"6ch`ei U`]h]h] Y`UbX`ei Ubh]h]h] Y`UddfcUW`Yg  
hc`]b[ i ]gh]WXUH`Wc`Y`W]cb`UbX`UbU`mg]g`UfY`Wc]j YfYX`"H\Y`hc]d]Wg`]bW` XY`fYgYUfW` Yh`]Wgž  
fUbgW`f]d]h]cbž`Wc`fdi g`a YhcXgž`]bhtfj`]Yk gž`Zc`W`g`[ fci dgž`]b[ i ]gh]WYh]bc[ fUd`mž`X]gWc`i fgY`UbU`mg]gž  
a i`h]a cXU`]hm]UbX`WUgY`gh`XmfYgYUfW`"Mci `k ]`XYj Y`cd`Ub`]bX]j ]Xi U`fYgYUfW`dfcdcgU`VUgYX`cb`mci f  
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7 ci fgY`@YUfb]b[ `Ci hWca Yg

%`8Yj Y`cd`U`j U`]Xž`Z`Ug]V`Y`UbX`dfUW`]W`fYgYUfW`dfcdcgU`fY`Yj Ubhtc`Udd`jYX`]b[ i ]gh]Wg`  
&`5`][ b`fYgYUfW`U]a gž`a YhcXg`cZXUH`Wc`Y`W]cb`UbX`UbU`mg]g`  
'`"8Yg][ b`j U`]X`fYgYUfW`XUH`Wc`Y`W]cb`dfcW`Xi fYg`UbX`]bghf` a Ybhtg`  
(`"5ggYgg`Z`Wc`fg`k` \]W`]a dUW`icb`h`Y`ei U`]micZ`Ya d]f]W`XUH`  
)`"Ci h]bY`U`fYgYUfW`dfcdcgU`UbX`↑gh]Zmi`h`Y`fYgYUfW`XYg][ b`

HYUW\]b[ `GhfUH`[ ]Yg`

H\Y`Wci fgY`i gYg`U`U`Z]ddYX`WUggfcca`UddfcUW`"5`g`cfh`Y`W`fY`]g`dfcj ]YX`hc`]bhfci W`a U]b`h`Y`cf]Yg  
UbX`Wc`bW`dhtg`"A`cgh]a Y`]g`gdYbhc`b`X]gW`gg]cb`UbX`[ fci d`k`cf`\_"

# 5ggYgga Ybh

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## 5ggYgga Ybh8YHU]`g

### 5ggYgga Ybh%`5VghfUWŸ

GHUfhXUHŸ. `Bch5dd`]WUV`Y

8YHU]`g.

Gh XYbhŸgi Va ]hUb`UVghfUWŸf%\$\$\$`k cfXgŁ`Zcf`hŸY]f`fYgYUfWŸ`dfcdcgU`"Gh XYbhŸf`fYWŸ]j`Y`h`fcf`UbX`dYYf`ZYXVUW`"

Hi fb]hb`gYhb[ . `H\]g`Ugg][ ba Ybh]g`gi Va ]hŸX`h`fci [ \ `Hi fb]hb`UbX`gh XYbhŸ`Xc`bchgYY`Hi fb]hb`g]a ]Uf]mifYdcfŸ"

### 5ggYgga Ybh&`DfYgYbhUjcb

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8YHU]`g.

Gh XYbhŸ[ ]j`Y`U`%)!a ]bi`h`dfYgYbhUjcb`UVci`hŸY]f`dfc`YWhdfcdcgU`]b`WUgg"8i`f]b[ `hŸY]f`dfYgYbhUjcb`hŸYmb`YXX`fc`†`ghZm`hŸY]f`fYgYUfWŸ`XYg][ b" `Gh XYbhŸf`fYWŸ]j`Y`cfU`UbX`k`f]hŸb`ZYXVUW`]b`WUgg`UZŸf`hŸY]f`dfYgYbhUjcb`"HŸY`cfU`dfYgYbhUjcb`]g`gi`ddcfŸX`VmU`a`]bX!a`Ud`cZ`hŸY]f`fYgYUfWŸ`XYg][ b"

Hi fb]hb`gYhb[ . `H\]g`]g`bchU`Hi fb]hb`Ugg][ ba Ybh

### 5ggYgga Ybh' . `Dfc`YWhdfcdcgU`

GHUfhXUHŸ. `Bch5dd`]WUV`Y

8YHU]`g.

Gh XYbhŸ`XYj`Y`cd`U`fYgYUfWŸ`dfcdcgU`f] \$\$\$`k cfXgŽ`fY`ZfYbWŸgŁ`VUgYX`cb`hŸY]f`ck`b`UfYU`cZgh`XmUbX`hŸY]f`cZ]b`hŸYg`h`Gh XYbhŸf`fYWŸ]j`Y`k`f]hŸb`ZYXVUW`UbX`a`Uf\_g" `H\]g`]g`hŸY`Z]bU`UggYgga`YbhZcf`UHŸbXUbWŸ`di`fdcgYg"

Hi fb]hb'gYhb[ . 'H\]g'Ugg][ ba Ybh]g'gi Va ]hX'h'fci [ \ 'Hi fb]hb'UbX'ghi XYbhg'Xc' bchgYY'Hi fb]hb  
g]a ]Uf]mfYdcftrg"

5 hYbXUbW F Yei ]fYa Ybhg











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

D`U[ ]Uf]ga `]g`i]g]b[ `h`Y`k`cfXg`cf]XYUg`cZc`h`Yfg`UbX`d`fYgYb]b[ `h`Ya`Ug`mci`f`ck`b`" `h`W]b`h`U`\_`Y`a`Ubm`Z`c`fa`g`z`Z`c`a`X`Y`]V`Y`f`U`h`V`W`Y`U`h]b[ `h`c`U`W`W`X`Y`b`h`U`m`W`c`d`m]b[ `Z`c`a`U`g`ci`f`W`k`]h`ci`h`U`W`\_`b`c`k`Y`X[ `Y`a`Y`b`h`

I`B`G`K` `]`f`ci`d`g`d`U[ ]Uf]ga `]b`h`c`h`Y`Z`c`ck`]b[ `W`U`h`[ `cf]Y`g.

7`c`d`m]b[ `.`i`g]b[ `h`Y`g`U`a`Y`c`f`j`Y`f`m`g]a`]U`f`k`c`f`X`g`h`c`h`Y`c`f][`]b`U`h`i`h`c`f`]X`Y`U`k`]h`ci`h`U`W`\_`b`c`k`Y`X[ ]b[ `h`Y`g`ci`f`W`c`f`i`g]b[ `e`i`c`h`U`h`c`b`a`U`f`\_`g`" `H`]g`U`g`c`U`d`d`]Y`g`h`c`]a`U[ `Y`g`z`U`f`h`U`b`X`X`Y`g][`b`d`f`c`Y`W`g`z`U`g`k`Y`U`g`d`f`Y`g`Y`b`h`U`h]c`b`g`k`Y`f`Y`g`c`a`Y`c`b`Y`d`f`Y`g`Y`b`h`U`b`c`h`Y`f`g`]X`Y`U`g`c`f`k`c`f`X`g`k`]h`ci`h`W`Y`X]h`

~~h`U`d`d`f`c`d`f]U`h`Y`d`U`f`U`d`f`U`g]b[ `.`7`U`b[ ]b[ `U`Z`k`k`c`f`X`g`U`b`X`d`f`U`g`Y`g`k`Y`a`c`g`h`m`f`Y`h`U]b]b[ `h`Y`c`f][`]b`U`g`h`f`i`W`i`f`Y`U`b`X`#`c`f`d`f`c`[ `f`Y`g`g]c`b`c`Z]X`Y`U`g`c`Z`h`Y`c`f][`]b`U`z`U`b`X`]b`Z`c`f`a`U`h]c`b`k`]h`ci`h`U`W`\_`b`c`k`Y`X[ `Y`a`Y`b`h`H`]g`U`g`c`U`d`d`]Y`g`]b`d`f`Y`g`Y`b`h`U`h]c`b`g`k`Y`f`Y`g`c`a`Y`c`b`Y`d`U`f`U`d`f`U`g`Y`g`U`b`c`h`Y`f`g`]X`Y`U`g`c`f`k`c`f`X`g`k`]h`ci`h`W`Y`X]h`U`b`X`h`c`d]Y`W]b[ `h`c[ `Y`h`Y`f`e`i`c`h`Y`g`U`b`X`d`U`f`U`d`f`U`g`Y`g`]b`h`c`U`b`Y`k`k`c`Y`z`k`]h`ci`h`U`d`d`f`c`d`f]U`h`Y`f`Y`Z`f`Y`b`W]b[ "~~

7`c`i`g]c`b.`k`c`f\_]b[ `k`]h`c`h`Y`f`g`V`i`h`d`U`g]b[ `c`Z`h`Y`k`c`f\_]U`g`U`d`Y`f`g`c`b`g`]b`X]j`]X`i`U`k`c`f\_]7`c`i`g]c`b`U`g`c`]b`W`i`X`Y`g`d`f`c`j`]X]b[ `m`c`i`f`k`c`f\_]h`c`U`b`c`h`Y`f`g`h`i`X`Y`b`h`V`Y`Z`c`f`Y`h`Y`X`i`Y`X`U`h`Y`z`c`f`Z`c`f`h`Y`d`i`f`d`c`g`Y`c`Z`h`Y`a`d`U[ ]Uf]g]b[ `U`h`U`b`m`h`j`a`Y`z`d`U`m]b[ `U`b`c`h`Y`f`d`Y`f`g`c`b`h`c`d`Y`f`Z`c`f`a`U`b`U`W`U`X`Y`a`]W`h`U`g`\_`z`g`h`Y`U`]b[ `c`f`U`W`e`i`]f]b[ `U`b`c`h`Y`f`d`Y`f`g`c`b`g`]U`W`U`X`Y`a`]W`k`c`f\_]U`b`X`W`c`d`m]b[ ]h`z`c`Z`Y`f]b[ `h`c`W`c`a`d`Y`h`Y`U`b`c`h`Y`f`d`Y`f`g`c`b`g`k`c`f\_]c`f`g`Y`Y\_]b[

- i bXYfgHUbX'mci f'f][ \hg'UbX'fYgdcbg]V] ]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ  
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ

