



# LING5027

F YgYUfVX 'A Yh\cXg ]b '5dd`]YX`@]b[ i ]gh]Vg

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

7 ci fgY`Cj Yfj ]Yk

`GHUZZ`7 cbhUWh`8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]`UV]`]m	@cWU]cb	D\cbY
J ]c`YhL ]U	j `I ]U4 i bgk "YXi "Ui	6mUddc]bħa Ybh	A cfj Yb`6fck b`&%\$	- ' , ) \$( - ' )

GW\cc``7 cbhUWh`bZcfa U]cb

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

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

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

D\cbY. `ž`\*%&`i`- ' , ) `)%\*, %

: U! . `ž`\*%&`i`- ' , ) `; , +\$)

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

7ci fgY'8YHJ]`g

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

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

H\]g'Wci fgY`]bfcXi W'g'Wca a cb'fYgYUfW'a Yh'cXg'`b`]b[ i ]gh]Wg'UbX'Udd`]YX`]b[ i ]gh]Wg'UbX'dfYdUfYg'mci  
Zcf'U'fYgYUfW!fY'UhYX'WUfYf'`b'h\Y`Zfgh\U'ZcZ'h\Y'Wci fgY'mci `k`]`[ U]b'Ub'i bXYfgtUbX]b[ `cZ'h\Y

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
Dfc'YWhdfcdcgU`	) \$i	&' #/6#&\$%- '\$) . \$\$'DA	%z&Z
5VghfUWh	&\$i	% #/6#&\$%- '\$) . \$\$'DA	%z&
DfYgYbhUjcb`	' \$i	Bch5dd`]WVY	( z)

## 5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`Dfc'YWhdfcdcgU`

GHUfhXUH. `Bch5dd`]WVY

8YHU]`g. `Gh XYbhg'XYj Y`cd`U`fYgYUfW`dfcdcgU`f1 \$\$\$`k`cfXgZ`fYZYfbW`gE`VUgYX`cb`h`Y]f`ck`b`UfYU`cZ`gh`XmUbX`h`Y]f`cZ]bh`fYgh`Gh`XYbhg`fYW`]j`Y`k`f]h`b`ZYXVUW`\_`UbX`a`Uf\_g`"H\]g`]g`h`Y`Z]bU`UggYgga`YbhZcf`UH`bXUbW`di`fdcgYg`"

Hi`fb]h]b`gYh]b[. `H\]g`Ugg][`ba`Ybh]g`gi`Va`]h`X`h`fci`[`\`Hi`fb]h]b`UbX`gh`XYbhg`Xc`bchgYY`Hi`fb]h]b`g]a`]Uf]mfYdcf`g`"

5ggYgga Ybh&.`5VghfUWh

GHUfhXUH. `Bch5dd`]WVY

8YHU]`g. `Gh`XYbhg`gi`Va`]h`Ub`UVghfUWh`f%\$\$\$`k`cfXgE`Zcf`h`Y]f`fYgYUfW`dfcdcgU`"Gh`XYbhg`fYW`]j`Y`h`hcf`UbX`dYYf`ZYXVUW`\_"

Hi`fb]h]b`gYh]b[. `H\]g`Ugg][`ba`Ybh]g`gi`Va`]h`X`h`fci`[`\`Hi`fb]h]b`UbX`gh`XYbhg`Xc`bchgYY`Hi`fb]h]b`g]a`]Uf]mfYdcf`g`"

5ggYgga Ybh' . `DfYgYbhUjcb

GHUfhXUH. `Bch5dd`]WVY

8YHU]`g. `Gh`XYbhg`[`j`Y`U`%`!a`]bi`h`dfYgYbhUjcb`UVci`h`h`Y]f`dfc`YWhdfcdcgU`]b`WUgg`"8i`f]b[`h`Y]f`dfYgYbhUjcb`h`YmbYXX`h`c`↑`gh]zm`h`Y]f`fYgYUfW`XYg][`b`"Gh`XYbhg`fYW`]j`Y`c`"

### 5 hYbXUbW F Yei ]fYa Ybhg

5 hYbXUbW cZ@YWh fYg#hi hf]U'g ]g'a UbXUhc fm]b'h]g'Wci fgY"i bYl W gYX'UVgYbW Zfca'a cfY'hUb'&\$i  
 cZ@YWh fYg#hi hf]U'g k ]'fYgi 'h]b'h\Y'Uk UfX'U'ZU]'[ fUXY"b'@YWh fYg#hi hf]U'g'nci 'k]'UWij Y'mYb[U[ Y  
 k ]h'WcfY'Wci fgY'WcbhYbhzYbUV]b[ 'mci 'hc'UttU]b'7 @C '%' "

### 7 ci fgY'GWYXi`Y

[J\]Yk'WUgg'Ha YhUV'Y](#)

H]a YhUV'Y`

8 UhY	Hm dY	7 cbhYbh	%o
K YY_ % '* GYdhYa VYf! &\$ GYdhYa VYf	Hcd]W	=bfcXi W]cb'hc'fYgYUfVX ]b'Ud\$ %o %o	%o
			%o
			%o
			%o
			%o
			%o
			%o
			%o
			%o
			%o
			%o

K YY_%.%.% 'Bcj Ya VYf!	F YUX]b[	B c 'WUgg''H\]g]g'U'fYUX]b[ 'k YY_"
&&'Bcj Ya VYf		

F Ygci fWg

DfYgW]VYX`F Ygci fWg`

8cfbmY]-F • 8cfbmY]-F Ygci fWg`A Ygci fWg`X]b[ i ]gh]g`f&\$\$+L

F YWca a YbXYX`F Ygci fWg

6cc\_-'Dfc`YWg`]b`@]b[ i ]gh]g`"5`dfUW]VW`[ i ]XY`hc`fYgYUfW]b[ ``Ub[ i U[ Y`f&\$\$\*L

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`UHYa`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]hb`z`d`YUgY`  
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`),`'`'`'`%cf`Ya`U]`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`"Gi`ddcfh`  
`ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`fI`\*)`XUmg`U`mY`UfL`"Ʒmci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhXi`Y`hc`U`ZUi`hik`]h`Hi`fb]hb`mci`a`UmUdd`mi`Zcf`Ub`YI`HYbg]cb`z`Vi`hmc`i`  
a`i`ghfY`hU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Yb`hg`L`hc`  
]bW`i`XY`Ug`Yj`]XYbW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`"Ʒmci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`k`]`  
Ui`hca`U]W]m`fYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd`cbY`mci`k`]`b`YYX`hc`gdYW]Z]W]m`Ug`\_`Zcf`cbY`"  
Hi`fb]hb`U`gc`dfcj`]XYg`i`dXUHY`g`cb`h`Y]f`gmgh`Ya`ghU`h`g`cb`Hk`]HYf`"

;`YbYfU`m`z`UggYgga`YbhHUg\_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]W]m`j`]U`Y]h`Yf`Hi`fb]hb`cf`U`A`ccX`Y`  
Ugg][`ba`Ybh`h`b`]bg`h`UbW`g`k`YfY`h`g`]g`bchidcgg]V`YZ`]hk`]`VY`g`h`YX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g`]h`k`]h`  
U`HYfbU]j`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf`]bZcfa`U]cb`cb`\ck`hc`gi`Va`]hUgg][`ba`Ybh`g`cb`]bY`j`]U`A`ccX`Y`.\`h`tdg`#`gh`XYbh`i`bgk`"YXi`"Ui`#ack`!  
gi`Va`]hUgg][`ba`Ybh`a`ccX`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" #WU b'U\_Y'a Ubm Z'fa gž Z'ca 'XY]VYfUHY'WXU]b[ 'hc'UW]XYbU`mW'dm]b[ Z'ca '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`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 dfYgYbU]cbg'k \YfY'gca YcbY'dfYgYbhg'UbchYf'g' ]XYUg'cf'k cfXg'k ]h'ci hWYX]h'

#Uddfcdf]UHY'dUfUd\fUg]b[ .7 \Ub[ ]b[ 'U'Z'k 'k cfXg'UbX'd\UgYg'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' ]bZ'fa 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]Y]b[ 'hc[ Y'hY'f'ei chYg'UbX'dUfUd\fUgYg' ]bhc'U'bYk 'k \c'Yžk ]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 ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'hc'UbchYf'g'hi XYbhVYZ'fY'hY'Xi Y'XU]Yž'cf'Z'f'hY'di fdcgY'cZ'hYa d'U[ ]Uf]g]b[ 'UhUbmi]a Yž'dUm]b[ 'UbchYf'dYfgcb'hc'dYfZ'fa 'Ub'UWUXYa ]W]Ug\_ž'ghU' ]b[ 'cf'UW'ei ]f]b[ UbchYf'dYfgcb'g'UWUXYa ]Wk cf\_]UbX'W'dm]b[ ]ž'cZ]f]b[ 'hc'W'ca d'YH'UbchYf'dYfgcb'g'k cf\_]cf'gYY\_]b[ dUma YbhZ'f'W'ca d'Y]b[ 'UWUXYa ]Wk cf\_"

#Uddfcdf]UHY'W]U]cb. 7 ]b[ 'gci fW'g'k \]W\Uj Y'bhVYYb'fYUXžk ]h'ci hUW\_bck 'YX[ ]b[ 'hY'"gYW'cbXUfm' gci fW'Z'ca 'k \]W\_]bck 'YX[ Y'cZ'hYa '\Ug'VYYb'cV]b]bYX"

8i d']WU]cb'f'gY'Z'd`U[ ]Uf]ga "L'gi Va ]h]b[ 'mci f'ck b'k cf\_ž]b'k \c'Y'cf']b'dUfžk \YfY' ]h\Ug'dfYj ]ci g'm VYYb'dfYdUfYX'cf'gi Va ]h]YX'Z'f'UbchYf'UggYgga Ybhcf'W'ci fgY'Uhl BGK 'cf'UbchYf'i b]j Yfg]m'

7c'fYW'fYZYfYbW]b[ 'dfUW]W'g.

- DUfUd\fUg]b[ ž'gi a a Uf]g]b[ ž'YggUm k f]h]b[ 'UbX'h]a Y'a UbU[ Ya Ybh
- 5ddfcdf]UHY'i gY'cZUbX'U]f]Vi h]cb'Z'f'U'fUb[ Y'cZa U]f]U'g' ]bWi X]b[ 'hYI hž]a U[ Ygž Z'fa i 'UY'UbX W'cbW'drg"

#X]j ]Xi U'Ugg]ghUbW' ]g'Uj U]UV'Y'cb'fYei YghZ'ca 'H\Y'@Yf]b[ '7YbhY'f'f'hd. ## k k "Wi bgk "YXi "Ui #"  
Gh XYbhg'UfY'U'gc'fYa ]bXYX'h.UhWfYZ 'h]a Y'a UbU[ Ya Ybh]g'Ub ]a dcfU]bhdUf]cZ'gh XmiUbX'cbY'cZ'hY ]XYbh]Z]YX'Wli gYg'cZd'U[ ]Uf]ga ]g'dccf'h]a Y'a UbU[ Ya Ybh'Gh XYbhg'g'lc'i 'X'U'ck 'gi Z]W]Ybh]a Y'Z'f'fYgUfW'ž'XfU]h]b[ 'UbX'dfcdYf'fYZYfYbW]b[ 'cZ'gci fW'g' ]b'dfYdUf]b[ 'U'UggYgga Ybh]h'a g"

I BGK '@]VfUfm'U'gc'\Ug'hY'9@G9'hc'Uj U]UV'Y'hc'Ugg]ghmci 'k ]h'mci f'gh XmiUhl BGK "'9@G9' ]g XYg][ bYX'hc' ]b]f'cXi W' 'bYk 'gh XYbhg'hc'gh Xn]b[ 'Uhl BGK 'Vi h]h'WU'U'gc'VY'U' ]fYUhfYZYg\Yf'Xi f]b[ 'mci f'gh Xn'

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

- UbU'mgY'hc'd]Wgž'd'Ub'fYgdcbgYg'UbX'cf[ Ub]gY'fYgYUfW'Z'f'UWUXYa ]Wk f]h]b[ 'UbX'chYf'UggYgga Ybh]Ug\_g

- i bXYfgHUbX'mci f'f][ \hg'UbX'fYgdcbg]V] ]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wc'dmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5Ww'dhUV'Y'I gY'cZ  
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ
- VY'Uk UfY'cZh'Y'ghUbXUfXg'cZVY\Uj ]ci f'YI dYWñX'cZYj Yfmcby`]b'h'Y'I BGK 'Wca a i b]m
- `cWñH'gYfj ]W'g'UbX' ]bZcfa Uh'cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k ]`VY'ZJa ]]Uf'hc&

] i b g'U'Dc'b

