



# LING5024

H\Y`Gci bX`GmgHYa `cZ9b[ `]g\

HYfa `Hk c`#`&\$&%

GWXcc`cZ<i a Ub]hYg`UbX`@Ub[ i U[ Yg`#`i BGK `5ftgz8 Yg][ b/ `5fWX jhYwH fy

7ci fgY`Cj Yfj ]Yk

GHJZZ'7cbHJW`i8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]UV]]]m	@cWJhcb	D\cbY
HYfYgU'7\Ub	hYfYgU"W\Ub%4 i bgk "YXi "Ui	VmUddc]bħa Ybh	C b`]bY	

GVXcc``7cbHJW`i`bZcfa Uh]cb

GVXcc``cZ<i a Ub]hYg`UbX`@Jb[ i U[ Yg

@cWJhcb. `GVXcc``C Z]W`žA cfj Yb`6fck b`6i ]X]b[ ž@Yj Y``&ž&),

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

D\cbY. `ž\*%&`-' , ) `)\* , %

: U! . `ž\*%&`-' , ) ; , +\$)

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

7 ci fgY'8YHJ]`g

7 fYX]hDc]bmg '\*`

Gi a a UfmicZh\Y'7 ci fgY

⊕`h]g`Wci fgYžmci `k ]`YI d`cfY`h\Y`dUthYfbg`cZgdc\_Yb`9b[ `]g\`"Mci `k ]`ZfghYI Ua ]bY`h\Y`Zcfa U]cb`cZ  
gci bXg`UbX`h\Y`gci bXg`h\Uha U\_Y`i d`h\Y`9b[ `]g\`gci bX`gmghYa "Mci `k ]`h\Yb`Vi ]X`Zca `g]b[ `Y`gci bXg  
h`h\Y`Wca V]bU]cb`cZgci bXg`]brc`gm`UV`Yg`UbX`h\Y`fc`Y`cZgm`UV`Yg`]b`9b[ `]g\`f\ntla žh\Uh]gžh\Y

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
HU_Y` \ca Y'hYgh	' )i	&' #*\$ #&\$%\$*.\$\$.DA	%
DfYgYbhUjcb'	%i	Bch5dd']WVY	&
Dfc YW	) \$i	\$- #\$, #&\$%\$*.\$\$.DA	%ž&ž'

## 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% 'HU\_Y` \ca Y'hYgh

GHUfhXUH. 'Bch5dd']WVY

8YHJ]`g.

H\Y'hYghWcj Yfg'hY`WcbhYbhcZfYUX]b[ g'UbX'gYa ]bUf'X]gW'gg]cb'cZhYa "'&' \ci fg" Gh XYbhg'fYW]j Y k f]hYb'ZYXVUW."

Hi fb]hb'gYH]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'hfci [ \ 'Hi fb]hb'UbX'gh XYbhg'Xc' bchgYY'Hi fb]hb g]a ]Uf]mifYdcfng"

5ggYgga Ybh&. 'DfYgYbhUjcb

GHUfhXUH. 'Bch5dd']WVY

8YHJ]`g.

%) !'&\$'a ]bi h'g" Gh XYbhg'fYW]j Y k f]hYb'ZYXVUW."

Gi Va ]gg]cb'bcHg. H\Y'dfYgYbhUjcbg'k ]`VY'fcgHfYX']bhc'hY'gWXYXi `Y"

Hi fb]hb'gYH]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'hfci [ \ 'Hi fb]hb'UbX'gh XYbhg'Xc' bchgYY'Hi fb]hb g]a ]Uf]mifYdcfng"

5ggYgga Ybh' . 'Dfc YW

GHUfhXUH. 'Bch5dd']WVY

8YHJ]`g.

Gh XYbhg'k ]`k cf\_k ]h'gdYYW'gUa d'Yg'hfci [ \ci h\Y'hYfa 'UbU'ng]b[ 'hY'gdYYW'UW'cfX]b[ 'hc'Wci fgY hc]d]Wg" H\YfY'UFY'hfY'Ugg][ ba Ybhg'hUhWca df]gY'hY'dfc'YW'hc]U'bi a VY'f'cZk cfXg'g'Uddfc] ja UH'm '\$\$\$" Gh XYbhg'fYW]j Y k f]hYb'ZYXVUW."

H\]g`]g`hY`ZbU`Ugg][ ba YbhZcf`UhtYbXUbW`di fdcgYg"

5 hYbXUbW F Yei ]fYa YbHg

Gh XYbHg UfY gHfcb[ mYbWci fU[ YX'hc UHh'bx'U''WUggYg UbX'fYj ]Yk ''YWhi fY'fYWc fX]b[ g"

7 ci fgY'GWXYXi `Y

[J \]Yk WUgg'ha YhUVY](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_%'' %A Um!'(' >i bY	GYa ]bUf	%" 7 ci fgY ]bHfcXi W]cb'UbX'fYei ]fYa YbHg &"Cj Yfj ]Yk 'cZbYI hk YY_'g'fYUX]b[ g. F YUX]b[ 'GYh% ' ""@YWhi fY. 'h fcXfcX( cX< XhXhXg XhXhX]Yg. F Yh%]b[ g


F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Y`Wèi fgY`fYUX]b[ g`UfY`èi fbU`Ufh]WYg`Uj U]UV`Y`h\fcì [ \`ì B GK ``]VfUfm`

F YWca a YbXYX`F Ygci fWg

6cc\_`-`Gci bX`DUh`fbg`cZ9b[ `]g\`Vmi@]bXU`G`cW`Ym`6`UW`k Y``Di V`]g\Yfg"

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



Gi Va ]gg]cb 'cZ5ggYgga YbhiHUg\_g

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

Ẓmci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UHYa dh]b[ 'hc'gi Va ]hmc i f'Ugg][ ba YbhiH'fci [ \ 'Hi fb]h]bž'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'mYUfI" Ẓmci  
UfY'i bUV'Y'hc'gi Va ]hmc i f'Ugg][ ba YbhiXi Y'hc'U'Zi 'hk ]H'Hi fb]h]b'mci 'a UmiUdd'm'Zc'f'Ub'YI HYbg]cbž'Vi hmc i  
a i ghfYH]b'mci f'h]W'Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb[ 'k ]H'UbmicH'Yf'fY'Yj UbhXcW a Yb'gk'hc  
]bWi XY'Ug'Yj ]XYbW'hc'gi ddcfhmc i f'YI HYbg]cb'Udd'j]W]h]cb" Ẓmci 'Ya U]'9I HYfbU'Gi ddcfhmc i 'k ]`

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

D`U[ ]Uf]ga `]g`i]g]b[ `hY`k cfXg`cf]XYUg`cZcH`Yfg`UbX`dFYgYb]b[ `hYa `Ug`mci`f`ck`b`" #WUb`hU`Y`a`Ubm`  
Zcfa`gZ`Zca`XY`]VYfUH`VX`YU]b[ `hc`UW]XYb]U`m`Wc]dm]b[ `Zca`U`gci`fW`k`]h`ci`hUW`bck`YX[ Ya`Yb]f`

I`BGK` `[ fci`dg`d`U[ ]Uf]ga` ]b]c`hY`Zc`ck`]b[ `W]hY[ cf]Yg.

7`cdm]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`c]h]cb`a`Uf`g`"H`]g`U`gc`Udd`]Yg`hc`]a`U[ YgZ`Uf]h]UbX`XYg][`b`dfc`YW]gZ`Ug`k`Y`Ug`  
dfYgYb]h]cbg`k`YfY`gca`YcbY`dFYgYb]g`Ubch`Yf`g`]XYUg`cf`k`cfXg`k`]h`ci`hW]YX]f`

#Uddfc]df]U]h`dUfUd`fUg]b[ .`7`U]b[ ]b[ `U`Zk`k`cfXg`UbX`d`fUgYg`k`Y`a`cghm]fY]h]b]b[ `hY`cf][ ]bU`  
g]f]i`W`fY`UbX`#cf`dfc[ fYgg]cb`cZ]XYUg`cZ`hY`cf][ ]bU`Z`UbX`]bZcfa`U]cb`k`]h`ci`hUW`bck`YX[ Ya`Yb]f`H`]g`U`gc`  
Udd`]Yg`]b`dfYgYb]h]cbg`k`YfY`gca`YcbY`dUfUd`fUgYg`Ubch`Yf`g`]XYUg`cf`k`cfXg`k`]h`ci`hW]YX]h]UbX`hc`  
d]YW]b[ `hc[ Yh`Yf`ei`c]h]g`UbX`dUfUd`fUgYg`]b]c`U`bYk`k`c`Yz`k`]h`ci`hUddfc]df]U]h`fYZ]fYbW]b[ "

7`c`i`g]cb.`k`cf\_]b[ `k`]h`c]hYfg`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`Ubch`Yf`g]i`XYbh]VYZc`fY`hY`Xi`Y`XU]h]Zc`f`Zc`f`hY`di`fdcgY`cZ`hY`a`  
d`U[ ]Uf]g]b[ `Uh]Ubmi]ja`Yz`dUm]b[ `Ubch`Yf`dYfgcb`hc`dYfZcfa`Ub`UW]XYa`]W]h]g`\_z`gh]U`]b[ `cf`UW]i`]f]b[  
Ubch`Yf`dYfgcb`g`UW]XYa`]Wk`cf\_]UbX`Wc]dm]b[ ]h]cZ]Yf]b[ `hc`W]a`d`Yh`Ubch`Yf`dYfgcb`g`k`cf\_]cf`gY]\_]b[

- i bXYfghUbx'mci f'f][ \hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj ]ci f'YI dYW'X'cZYj Yfmcby`]b'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj ]W'g'UbX' ]bZcfa Uh'cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k ]`VY'ZJa ]]Uf'hc'mci ž'ch'Yfg'k ]`VY'byk "; U]b]b[ 'U'gc`X'i bXYfghUbx]b[ 'cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k ]`Y'd'mci 'a U\_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hd. #gj V'YWf i \]XYg" \]VfUfm'i bgk "YXi "Ui #` \]gY#JVci h' \]gY](#)

5 WUXYa ]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `tc.

- fYei Ygth`Zcf`Yl Hrbg]cb/