

# IEST8001

9bj ]fcba YbH`@YUXYfg\]d`DfUWjW a `= `Dfc YWicf  
`bYfbg\]d

HYfa `Cby`#`&\$&%

GWXcc`cZ<i a Ub]H]Yg`UbX`@Ub[ i U[ Yg`#`! BGK `5ftg`UbX`GcWU`GWYbWg

7 ci fgY`Cj Yfj ]Yk

GHJZZ`7 cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWU]hcb	D\cbY
8f`5`]K U`_Yf	U"k U`_Yf4 i bgk "YXi "Ui	7cbgi `hU]hcb`Vm Uddc]bha Ybh		

GWXcc``7cbHJW`hZcfa U]hcb

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

@cWU]hcb. `GWXcc``C Z]W`ZA cfj Yb`6fck b`6i ]X]b[ ž`@Yj Y``&ž&),

CdYb]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]bqg '\*`

Gi a a UfmicZ\hY'7 ci fgY

H\]g'Wci fgY'cZYfg'mci 'hY'cddcfh b]mhc'XYdYb'UbX'YI dUbX'i dcb'hY'Ybj ]fcb a YbhUbX'gcWYmVXUb[ Y!  
a U\_]b[ '\_bck`YX[ Y'mci '\Uj Y'[ U]bYX' ]b`dfYj ]ci g`→GH'Wci fgYg'hfci [ \ 'Udd' ]YX'YI dYf]YbhU' ]b!WcbhYI h  
'YUfb]b[ "i g]b[ 'hY'ZYI ]V']mhcZK cf\_`bhY[ fUHYX'@YUfb]b[ 'fK @E'Uhi BGK ž'mci 'k ]''XYbh]ZmU'dUfbYf  
cf[ Ub]gU]cb'gi dYfj ]gcf'k ]h'k \ca`mci 'bY[ ch]UHY'hY'hYfa g'UbX'[ cU'g'cZmci f'd'UW'a Ybh'`b`UW'cfXUbVW  
k ]h'k @dc']Wž"“dUfbYf'cf[ Ub]gU]cb” WUb'fYZf'hc'h'cgY'YI h'fbU'hc'! BGK ž'gi W'Ug' ]bXi g'fmUbX  
Wca a i b]mž'Ug'k Y''Ug'hc'! BGK ]'hgY'Z'H\Y'dUfbYf'cf[ Ub]gU]cb'gi dYfj ]gcf' ]g'hY'dYfgcb'Uh'hY'dUfbYf  
cf[ Ub]gU]cb'fYgdcbg]V'Y'Zcf'gi dYfj ]g]b[ 'mci 'UbX' ]U]g]b[ 'k ]h'hY'Wci fgY'W'cfX]bUhc'f": c`ck ]b[ 'Uddfcj U'  
cZmci f' ]bhYfbg\ ]d'cf'dfUW]W a 'Vm'hY'Wci fgY'W'cfX]bUhc'fž'mci 'k ]''gdYbX'%) \ci fg'k cf\_]b[ 'k ]h'mci f  
dUfbYf'cf[ Ub]gU]cb" H\]g' ]g[ 'YbYFU'mcbY'cf'hk c'XUm]dYf'k YY\_'hc'Z]hUfci bX'hY'%)k YY\_'hYfa "

BchY' .Hc [ U]b'Ybhfmi]bhc'h\]g'Wci fgYž'mci 'a i gh\Uj Y'UW\Yj YX'Uh'YUghU'WYX]hif' ) i E'Uj YfU[ Y'UW'fcgg  
h'fY' →GH'Wci fgYg"

Mci 'a Umi bXYfU\_Y'%'&! c7'cZdfUW]W a 'Wci fgYg'VmYbfc'' ]b[ ' ]b'Vch' →GH, \$\$%'UbX' →GH, \$\$' "'H\Y  
Wci fgYg'a UmVY'hU\_Y'b'WcbW ffYbh'mcf' ]b'X]ZYfYbh'hYfa g'cZmci f'XY[ fY'Y"

7 ci fgY '@YUfb]b[ 'Ci hWca Yg

- % " 8 Yj Y'cd'U'dfcZYgg]cbU'#YgYUfW'dfc'YWh
- &" 8 Yg][ b'UbX' ]a d'Ya YbhUb'YZYW]j Y'dfc'YWh'cf' ]bhYfbg\ ]d'a UbU[ Ya Ybhd'Ub
- ' " 8 Yj Y'cd'UbX'Udd'mUddfcdf]UHY'a Yh'cXc'c[ ]Yg'hc'UXXFYgg'hY'U]a g'cZ'hY'cf[ Ub]gU]cb'UbX'hY  
 ]bhYfbg\ ]d'cf'dfc'YWh
- ( " 7 cbXi W'h' ]hYfUhi fY'fYj ]Yk g'hc'UXXFYgg'gdYW]Z]WUdd' ]WUV'Y'dfUW]W a 'hc'd]Wg
- ) " 5 bU'mgYž' ]bhYfd'fYh'z'UbX'fYZYWhi dcb'Z]bX]b[ g'UbX'YI dYf]YbW'g
- \*" 8 Y' ]j Yf'W'cbW ]g]cbg'UbX'fY'Wca a YbXU]h'cbg'h'fci [ \ 'fYdc'fh]b[ 'UbX'cfU'XY' ]j Yfm

HYUW\ ]b[ 'GhfUHY[ ]Yg'

H\]g'Wci fgY' ]g'XYg][ bYX'hc'gi ddcfh'mci ' ]b'Ub'Ybj ]fcb a YbhU' ]bhYfbg\ ]d'cf'dfc'YWh'mci 'k ci 'X''\_Y'hc  
i bXYfU\_Y"

# 5ggYgga Ybh

H\Y`Zcfa Uħ`Yb[ ĤžUbX'gWēdY`cZU`Ugg][ ba Ybhg`]g`Zc`f`bY[ cĥUĥcb`VYĥ YYb`mci ž`mci f`Wēi fgY`Ui Ĥcf]mž UbX`mci f`cgħcf[ Ub]gUĥcb" A cfY`[ i ]XUbW`k ]`VY`[ ] Yb`]b`Wēbgi `ĤUĥcb`a YYĥb[ g`YUFm]b`ĤY`HYfa`k ]Ĥ mci f`gi dYfj ]gcf`UbX`cgħcf[ Ub]gUĥcb"

## 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y`8UH	Gĥ XYbh@YUfb]b[ Ci ĤWēa Yg`5ggYggYX
DfUW]W a `DcfhZ`c`	%%\$!i	H67	%ž`&ž' ž(ž) ž*

## 5ggYgga Ybh8YĤJ]`g

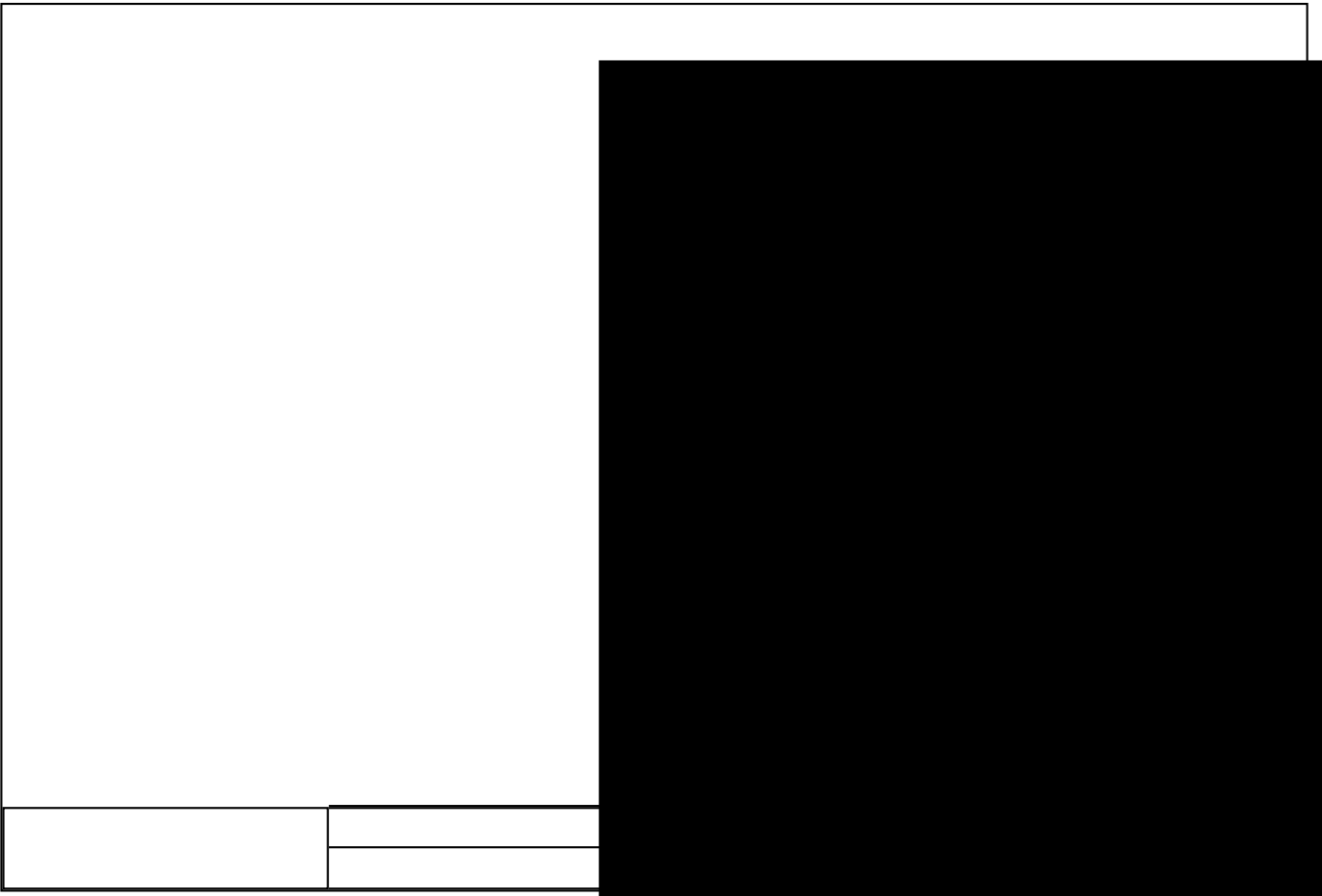
5ggYgga Ybh%`DfUW]W a `DcfhZ`c`

GĤfhXUH. H67

8YĤJ]`g.

A Ul ]a i a `( \$\$\$`k cfXg

H\Y`dcfhZ`c`fYei ]fYg`gh XYbhg`ĥ`XcW a YbhUbX`fYZYWhi dcb`ĤY]f`dfc`YWhcf`]bhYfbg\]d`UW]j ]ĥYg" ĥ]g i bXYfĤU\_Yb`Ĥfci [ \`ĤY`HYfa`UbX`]bWĤ XYg`i fXY`fYei ]fYa Ybhg`cZU`fYgYUfVX`Vf]Y`ZdfUW]W a`X]UfmiUbX cfU`dfYgYbhUĥcb`cZ]bU`fYdcfĤ`5`ĤUg\_g`UfY` i bXYfĤU\_



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

D`YUgY`gYY`A ccX`Y`Zcf`XYHJ]`g"

F YWca a YbXYX`F Ygci fWg

D`YUgY`gYY`A ccX`Y`Zcf`XYHJ]`g"

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

Gh XYbkg`k`]"`Uj Y`hY`cddcfh b]mhc`dfcj ]XY`]bZcfa U`ZYXVUW`hfcj [ \`ci h`hY`hYfa`UbX`Zcfa U`ZYXVUW`  
Uh`hY`YbX`cZ`hYfa`hfcj [ \`hY`A n9l dYf]YbW`gi fj Ym`

Gi Va ]gg]cb 'cZ5ggYgga YbhiHUg\_g

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

≠mci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b[ 'hc'gi Va ]hirci f'Ugg][ ba Ybhi'fci [ \ 'Hi fb]h]bž'd'YUgY  
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'- ' , ) " ' ' %cf'Ya U] 'h'Ya 'cb'YI HYfbU'HY'gji ddcfh4 i bgk "YXi "Ui "'Gi ddcfh

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

D`U[ ]Uf]ga `]g`i`g]b[ `h`Y`k`c`f`X`g`c`f`]X`Y`U`g`c`Z`c`h`Y`f`g`i`U`b`X`d`f`Y`g`Y`b`h]b[ `h`Y`a` `U`g`m`c`i`f`c`k`b`" `#`W`b`h`U`\_`Y`a` `U`b`m`  
Z`c`f`a`g`Z`Z`c`a` `X`Y`]V`Y`f`U`h`Y` `W`X`Y`U`h]b[ `h`c` `U`W`W`Y`X`Y`b`h`U` `m`i`W`c`d`m]b[ `Z`c`a` `U`g`c`i`f`W`k`]h`c`i`h`U`W`b`c`k` `Y`X[ `Y`a` `Y`b`h`



- 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'jb'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj ]Wg'UbX'jbZcfa 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](#)

