



IEST5008

@Uf[Y!gWU`Y `7 cbgYfj Uh]cb `]b `D fUW]WY

HYfa `C bY `#`&\$&%

7 ci fgY`Cj Yfj]Yk

GhJZZ`7 cbhJW`8 YhU]`g

7 cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
F cgU`]Y`7\Udd`Y	f`WUdd`Y4 i bgk "YXi "Ui	B cH. `5`gc`h\Y Wti fgY`YW`i fYf"		\$(% , , ' ' , +

GWcc``7 cbhJW`i bZcfa Uh]cb

GWcc``cZ<i a Ub]h]Yg`UbX`@Jb[i U[Yg

@cW]h]cb. `GWcc``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`*%&`i`-`'` ,)` :%* , %

: Ul . `ž`*%&`i`-`'` ,)` ; , +\$)

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

5ggYgga

5XX]hcbU`XYhJ]g.

5 HbXUbW F Yei]fYa Ybhg

D`YUgY`bch`WUfYZ `mhY`gWXYXi `Y`VY`ck "

H%k YY_g`%!(. `C b`jY`ghi Xmifa]b]a i a `*\`ci fg`d`i g`fYUX]b[`h]a YL`VUgYX`cb`a ccX`Y`a cXi `Yg`fYW`fYXX`YVfi fYg`fYUX]b[g`UbX`cb`jY`UWfj]hYg`]bWi X]b[`UggYgga YbhUg_g"

H%k YY_g`(/ `)! : f]XUmA UFWX`%&/`% .`Hk c`\U`ZXUm]cb`W]a di g`f&!`*da L`5HbXUbW`]g`ghfcb[`m`dfYZffYX`Vi h]g`bcha UbXUc`fmZc`f`ghi XYbhg`k`c`Xc`bch`j] Y`]b`GmXbYmUbX`WUbbcha U_Y`h`jg`]b`UXj UbW`cZ`hY`Z]Y`X`h]d`z`c`f`k`c`WUbbch[YhYi fU`h]a Y`c`Z`k`c`f`L`/ : cf`h`cgY`k`c`WUbbchU`hY`bX`]b`d`Y`fg`cb`z`d`Y`U`g`Y`W`c`b`h`U`h`h`Y`W`c`i`f`g`Y`W`c`b`j`Y`b`c`f`h`c`a`U`_`Y`U`f`f`U`b`[`Y`a`Y`b`h`g`Z`c`f`c`b`]b`Y`g`h`i`X`m`U`b`X`c`b`]b`Y`[`f`c`i`d`X`]g`W`g`g`]c`b`c`j`Y`f`h`Y`g`Y`h`k`c`k`YY_g`VY`Z`c`f`Y`h`Y`Z]Y`X`h]d"

H%k YY_`*`A UFWX`&*!&, `fi f]XUm-`Gi bXUmL`A UbXUc`fmU`hY`bXUbW`Zc`f`U`g`h`i`XYbhg`]bWi X]b[X]g`h`U`b`W`!`U`!`XUmZ]Y`X`h]d`]b`h`Y`6`i`Y`A`c`i`b`h`U`]b`g`f`g`h`U`]b[`c`j`Y`f`b`[`h`c`b` : f]`UbX`G`U`h`f`g`h`U`f`g`]b`?`U`h`c`c`a`V`U`U`h`%`\$`U`a` : f]XUmUbX`Y`b`X`g`) da `Gi bXUmL`8`c`b`ch`Y`b`f`c`]Z`m`c`i`W`U`b`b`c`h`U`h`Y`b`X`h`Y`Z]Y`X`h]d" Gh`XYbhg`a`i`gh`U`g`c`b`ch`h`h`U`h`h`Y`Z]Y`X`h]d`Z`Y`]g`U`d`d`f`c`l`]a`U`h`Y`m`~`%`+`\$`h`c`W`c`j`Y`f`U`W`W`c`a`a`c`X`U`h`c`b`z`h`f`U`j`Y`z`[`i`Y`g`h`d`f`Y`g`Y`b`h`Y`f`g`U`b`X`g`c`a`Y`Z`c`X`Y`I`d`Y`b`g`Y`g"

H%k YY_`+`A UFWX`&-`!`\$`f`A`c`b`!`Hi`Y`g`L`D`f`Y`d`U`f`Y`[`f`c`i`d`d`f`Y`g`Y`b`h`U`h`c`b`f`b`c`W`U`g`g`U`h`Y`b`X`U`b`W`L`

H%k YY_`+`A UFWX`'`%`f`k`Y`X`b`Y`g`X`U`m`L` : f`c`i`d`d`f`Y`g`Y`b`h`U`h`c`b`g`c`b`!`W]a`d`i`g`f`U`h`Y`b`X`U`b`W`]b`d`Y`f`g`c`b`]g`g`h`f`c`b[`m`dfYZffYX`Vi`h`b`c`h`a`U`b`X`U`c`f`m`]Z`g`c`a`Y`g`h`i`XYbhg`W`U`b`b`c`h`U`h`Y`b`X`z`]b`k`\\]W`W`U`g`Y`h`Y`m`k`c`i`X`d`f`Y`g`Y`b`h`c`b`]b`Y`L`

7 ci fgY`GWXYXi `Y

[J \]Yk`WUgg`h\]a`YhUV`Y](#)

H]a`YhUV`Y`

8 U`h`Y`	H`m`d`Y`	7`c`b`h`Y`b`h`
K`Y`Y`_`%`%` :`Y`V`f`i`U`f`m`!`%`-` :`Y`V`f`i`U`f`m`	C`b`]b`Y`5`W`f`j`]m`	C`b`]b`Y`g`h`i`X`m`f`Y`g`h`]a`U`h`Y`&`\`c`i`f`g`L`V`U`g`Y`X`c`b`a`c`c`X`Y`

<p>K cfX'<Yf]U[Y' bgh]i hYŁ</p>		<p>UbX'gcWU`X]a Ybg]cbg'cZWŁbgYfj Uh]cb/Udd'm]b[h\Y'dfcV`Ya 'cf]YbU]cb ZUa Yk cf_ ; i Ygh`YWñ fYf`DYHf`7cWŁfUbY'f# 7B`7ci bW]`cfZ 9I!\YUX'DUf_g'5i gHfU]Už7\U]f'cZ6'i Y'A ci bU]bg K cfX'<Yf]U[Y' bgh]i hYŁ</p>
<p>K YY_) .%`A UFWX`!`%- A UFWX</p>	<p>GYa]bUf</p>	<p>: f]XUm%- h`&!`*da `cb!WJa di g H\Y'gYa]bUf`]bWñ XYg`U`WŁa V]bU]cb'cZ`YWñ fYg`UbX [%o</p>

F Ygci fWg

S_b^Wabbadg` [fk XadV[eUgee[a` i [fZ efS] WZa^Wde S` V i [fZ afZWdbSdf[U]bS` fež

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'hgi ddcfh 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`U`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'Wc'dmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmcby']b'h'Y'I BGK 'W'a a i b]m
- 'cW'W'h'gYfj]W'g'UbX']bZ'fa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k]''VY'ZJa]]Uf'hc'mci ž'c'h'Y'fg'k]''VY'bYk "'; U]b]b['U'gc`]X'i bXYfghUbx]b['cZU''h'Y fY'U'Y'X'UgdY'W'g'cZ9@-G9'k]''\Y'd'mci 'a U_Y'h'Y'a cgh'cZ'mci f'gh X]Yg'Uhl BGK ""

[\h'hd.##gi V'Y'W'f i \]X'Y'g" \]V'f'U'f'm'i b'gk "Y'X'i "U'i #' \]g'Y'#J'V'c'i h' \]g'Y](#)

