



MODL5106

HYI h5bU`mg]g`Zcf`HfUbg`Uh]cb

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

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWih8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]jm	@cWlhcb	D\cbY
A]fU`? ja	a]fU`_ja 4 i bgk "YXi "Ui	K YXbYgXUm&!` `da	&+(`A cfj Yb 6fck b	\$&- ' ,) & ' , -

`@YWi fYfg`

B Ua Y	9a Uj`	5j Uj`UVj]jm	@cWlhcb	D\cbY
A]fU`? ja	a]fU`_ja 4 i bgk "YXi "Ui			
@cb[`@]	`cb["`]4 i bgk "YXi "Ui		&, \$`A cfj Yb 6fck b	

`Hi hcfg`

B Ua Y	9a Uj`	5j Uj`UVj]jm	@cWlhcb	D\cbY
@cb[`@]	`cb["`]4 i bgk "YXi "Ui			

GWXcc``7cbhUWih`Zcfa Uhjcb

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

@cWlhcb. `GWXcc``C Z]WZ`A cfj Yb`6fck b`6i]X]b[ž`@Yj Y``&ž&),

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

D\cbY. `ž`*%&`- ' ,) `)%*, %

: Ul. `ž`*%&`- ' ,) `; , +\$)

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

7ci fgY'8YHJ]`g

7fYX]hDc]bng`*`

Gi a a UfmicZ\hY'7ci fgY

h`h]g`Wci fgY`mci`k`j`YUfb`lck`hc`UbU`mgY`hYI`hg`Zcf`hY`di`fdcgY`cZfUbg`Uh]cb`"6UgYX`cb`GmgHya`]W`
:`i`bW]cbU`@]b[`i`]gh]VgZ`U`a`cXY`h`UhFY`[`UfXg`Ub[`i`U[`Y`Ug`U`a`YUbb]b[`!`a`U_]b[`fYgci`fWZ`hY`Wci`fgY`
]b]fcXi`Wg`mci`hc`U`gYhcZ`hc`g`h`Uhk`j`YbUV`Y`mci`hc`i`bXYfgfUbx`"b[`i`]gh]WwXc]Wg`a`UXY`]b`U`hYI`hk`]h`]b`
]hg`WcbhYI`hgc`h`Uhmc`i`WU]b`a`U_]`]bZcfa`YX`XYW]g]cbg`k`Yb`fUbg`Uh]b[`"

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

%`5bU`mgY`[`fUa`a`Uh]WU`UbX`YI`]WU`Wxc]Wg`a`UXY`]b`hYI`hg`UbX`]bhYfdFYh`hY`UbU`mg]g`]b`WcbYW]cb`hc`
a`YUbb]b[`UbX`WcbhYI`h`"
&`5dd`mi`hYI`h`UbU`mg]g`hc`a`U_]`]bZcfa`YX`XYW]g]cbg`]b`fUbg`Uh]cb`"
" `>`i`gh]ZmfUbg`Uh]cb`Wxc]Wg`]b`dfcZ`gg]cbU`WcbhYI`hg`"
("`F`YUX`hYI`hg`W]h]WU`mZcf`hY`di`fdcgY`cZfUbg`Uh]cb`

HYUWx]b[`GhfUHy`]Yg`

A`C`8`@`%\$*`]b]fcXi`Wg`lck`hc`UbU`mgY`hYI`hg`Zcf`hY`di`fdcgY`cZfUbg`Uh]cb`UbX`]bhYfdFYh]b[`XfUk`]b[`cb`
GmgHya`]W: `i`bW]cbU`@]b[`i`]gh]Vg`fG: `@E`H\]g`"b[`i`]gh]W\hYcfm]g`l[`\`m`fY`Yj`Ubh`hc`fUbg`Uh]cb`UbX`
]bhYfdFYh]b[`VYW]i`gY`]hdfcj`XYg`i`gYZ`"hc`g`bYYXYX`hc`UbU`mgY`a`YUbb]b[`]b`WcbhYI`hZ`k`l`Wx`]g`U`Wc`fY`
Y`Ya`Ybh]b`fUbg`Uh]b[`UbX`]bhYfdFYh]b[`"

H\]g`Wci`fgY`Wcbg]gh]cZU`h`c!`lci`f`YW`h`fY`UbX`U`cbY!`lci`f`h`hc]U`YUW`k`YY`_"`h`hY`YW`h`fY`Z`gh`XYb]g`k`j`
YUfb`hY`c`fY`h]WU`WcbW`d]g`U`Vci`ha`YUbb]b[`Z`WcbhYI`h`UbX`[`fUa`a`Uf`H`h]g`lck`X]ZYfYbh_]bXg`cZa`YUbb]b[
UfY`Wcbg]hfi`YX`h`fci`[`\`YI`]Wc!`[`fUa`a`Uh]WU`Wxc]Wg`k`]h]b`hYI`h]b`fY`Uh]cb`hc`WcbhYI`h`h`h`hY`h`hc]U`Z`hY`m`
k`j`YUfb`h`fci`[`\`U`bi`a`VYf`cZfUbg`Uh]cb]fY`UhYX`UW]j`]h]Yg`lck`hc`UbU`mgY`hYI`hg`hc`i`bXYfgfUbx`
X]ZYfYbh_]bXg`cZa`YUbb]b[`UbX`lck`hc`bY`[`ch]U`h`gi`W`a`YUbb]b[`g`]b`hY`d`fcW`gg`cZfUbg`Uh]cb`" `h`h]g`k`UmZ`
gh`XYb]g`k`j`VY`Yei`]ddYX`k`]h`d`fUW]WU`hc`g`k`]h`k`l`Wx`h`Y`m`WU]b`i`gY`hc`a`U_]`]bZcfa`YX`XYW]g]cb`k`Yb`
h`Y`m`WU]ffmci`hj`Uf]ci`g`h]g`g`Ug`U`fUbg`U`hc`f`UbX`#`f`]bhYfdFYh]f`]b`hY`fYU`k`c`f`X`Ug`k`Y`Ug`h`Y`c`fY`h]WU`
_bck`YX`[`Y`hc`XYZY`bX`hY]f`XY`]VYfU`h`XYW]g]cbgZ`k`l`Wx`]g`]bWfYUg]b[`m]a`d`c`f`U`bh]b`hY`d`fcZ`gg]cbU`
Wca`a`i`b]m]b`hY`&%ghW`bh`fm`"

5ggYgga Ybh

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
HYI hUbU`mg]g`YI Ua`	(\$i	8i f]b['h\Y'Zcfa U`YI Ua dYf]cX	%ž(
HYI hUbU`mg]g`hYghg`	&&\$i	\$- #/\$#&\$%- '\$- .\$\$'5A	%ž(
F YZYW]j Y`YggUmi	(\$i	(&) #/%#&\$%- '\$- .\$\$'5A	&ž

5ggYgga Ybh8YhU]`g

5ggYgga Ybh%`HYI hUbU`mg]g`YI Ua`

GhUfhXUH. `Bch5dd`]WVY`

@Yb[h. `&`\ci fg

8YhU]`g. `Gh XYbhg`Wta d`Yh`Ub`YI Ua`]bU]cb`fc`XYa`cbghfUH`h\Y]f`UV`]hmihc`UbU`mgY`Wta d`YI`[fUa`a`Uh]WU`ZYUhi`fYg`cZHI`hg"Gh XYbhg`fYW]j`Y`U`gi`a`a`Uh]`Y`[fUXY"

Hi fb]hb`gYh]b[.`h\]g`]g`bchU`Hi fb]hb`Ugg][ba Ybh

5ggYgga Ybh&`HYI hUbU`mg]g`hYghg`

GhUfhXUH. `Bch5dd`]WVY`

@Yb[h. `"\$`a`]bi`hYg`dYf`hYgh

8YhU]`g. `Gh XYbhg`Wta d`Yh`h`c`hYghg`fc`XYa`cbghfUH`h\Y]f`UV`]hmihc`UbU`mgY`VUg]W[fUa`a`Uh]WU`ZYUhi`fYg`cZHI`hg"Gh XYbhg`fYW]j`Y`U`gi`a`a`Uh]`Y`a`Uf`_`k`]h`]bX]j`]Xi`U`ZYXVUW_"`

5XX]h]cbU`XYhU]`g.

H\]g`UggYgga YbhWcbg]ghg`cZk`c`hYghg`"H\Y`ZfghcbY`]g`Xi`Y`cb`&` `C`Wc`VYf`UbX`h\Y`gYWc`bX`cbY`]g`Xi`Y`cb`%\$` %o` %oo%o` %o`

Hi fb]hb'gYhb[. H\]g'Ugg][ba Ybh]g'gi Va]hX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'WUb'gYY'Hi fb]hb'g)a]'Uf]hm
fYdcftg"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

A Ufh]bž>F žA UH\]YggYbž7A =/`DU]bhřfž7`"f&\$\$L8Yd`cm]b[: i bW]cbU``; fUa a Uf``6Y]1b[.`H\Y
7ca a YfW]U`DfYgg"

F YWca a YbXYX`F Ygci fWg

F Y`Yj UbhfYgci fWg`UFY`fYWca a YbXYX`]b`WUgg`YUW`k YY_"

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

7ci fgYg`UFY`dYf]cX]W]`mfYj]Yk YX`UbX`ghi XYbhg`ZYXVUW_]g`i gYX`hc`]a dfcj Y`hYa ``: YYXVUW_]g
[UH`YfYX`Zca`ghi XYbhg`i g]b[`a m9I dYf]YbW`"Ghi XYbhg`UFY`YbWci fU[YX`hc`Wca d`YH`hY]f`gi fj Ymg`Vm
UW]gg]b[`hY`dYfgcbU`]gYX`k YV``]b_]]U`hY`A ccX`Y`Wci fgY`g]h"

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`]hrci`f`Ugg][`ba`YbhHfci`[`Hi`fb]hb`d`YUgY`
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)``%cf`Ya`U]`HYa`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`]hrci`f`Ugg][`ba`YbhXi`Y`hc`U`ZUi`hik`]H`Hi`fb]hb`mci`a`UmUdd`mi`Zcf`Ub`YI`HYbg]cb`ZVi`hrci`
a`i`ghfYH]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]H`Ubmch`Yf`fY`Yj`UbhXcW`a`YbhgE`hc`
]bWi`XY`Ug`Yj`]XYbW`hc`gi`ddcfhrci`f`YI`HYbg]cb`Udd`]W]hcb`Ʒmci`Ya`U]`9I`HYfbU`Gi`ddcfhrci`k`]`
Ui`hca`U]W]mifYW]j`Y`U`h]W`Yhbi`a`VYf`ZVi`h]Zmci`HY`Yd`cbY`mci`k`]`bYYX`hc`gdYW]W]mUg`Zcf`cbY`
Hi`fb]hb`U`gc`dfcj`]XYgi`dXUH`g`cb`HY]f`gmghYa`ghU`h`g`cb`Hk`]HYf`"

;`YbYfU`mZ`UggYgga`YbhHUg_g`a`i`ghVY`gi Va`]HYX`Y`YWfcb]W]mj`]U`Y]H`Yf`Hi`fb]hb`cf`U`A`ccX`Y`
Ugg][`ba`Ybh`b`]bgHUbW]g`k`YfY`H`]g`]g`bchidcgg]V`YZ`]hk`]`VY`g`UH`X`cb`mci`f`Wci`fgY`g`A`ccX`Y`g`]HY`k`]H`
U`HYfbU]j`Y`gi Va`]gg]cb`XYH]`g`"

:`cf`]bZcfa`U]cb`cb`ck`hc`gi Va`]hUgg][`ba`Ybhg`cb`]bY`j`]U`A`ccX`Y`.\`Htdg`#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" #WUbb'U_Y'a Ubm Zcfa gž Zca 'XY]VYfUHY'WXUhf]b['hc'UWVXYbhU`mWčdm]b['Zca 'U'gci fW'k]h'ci hUW_bck 'YX[Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga]bhc'hY'Zč'ck]b['WUHY[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[YgžUfhUbX'XYg][b'dfc'YWgžUg'k Y`'Ug dfYgYbhU]cbg'k \YfY'gca YcbY'dfYgYbhg'UbchYf'g']XYUg'cf'k cfXg'k]h'ci hW'YX]h'

#Uddfcdf]UHY'dUfUd\fUg]b[.7 \Ub[]b['U'Zk 'k cfXg'UbX'd\UgYg'k \]Y'a cghmifYU]b]b['hY'cf][]bU'gf'i W'fY'UbX#cf'dfc['fYgg]cb'cZ]XYUg'cZhY'cf][]bU'žUbX']bZcfa U]cb'k]h'ci hUW_bck 'YX[Ya Ybh' 'H\g'U'gc'Udd'Yg']b'dfYgYbhU]cbg'k \YfY'gca YcbY'dUfUd\UgYg'UbchYf'g']XYUg'cf'k cfXg'k]h'ci hW'YX]h'UbX'hc d]YW]b['hc[Y'hYf'ei chYg'UbX'dUfUd\UgYg']bhc'U'bYk 'k \c'Yžk]h'ci hUddfcdf]UHY'fYZfYbW]b["

7c`i g]cb.'k cf_]b['k]h'chYfg'Vi hdUgg]b['cZhY'k cf_'Ug'U'dYfgcb'g']bX]j]Xi U'k cf_"7c`i g]cb'U'gc]bW'i XYg'dfcj]X]b['mci f'k cf_'hc'UbchYf'gh'XYbhVYZ'fY'hY'Xi Y'XUHYžcf'Zcf'hY'di fdcgY'cZhYa d'U[]Uf]g]b['UhUbm]h]a Yž'dUm]b['UbchYf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa]W'Ug_žghU']b['cf'UWč'i]f]b[UbchYf'dYfgcb'g'UWUXYa]Wk cf_'UbX'Wčdm]b[]h'čZf]b['hc'Wč'a d'Yh'UbchYf'dYfgcb'g'k cf_'cf'gYY_]b[dUma YbhZcf'Wč'a d'Yh]b['UWUXYa]Wk cf_"

#Uddfcdf]UHY'W'U]cb.'7]h]b['gci fW'g'k \]W\Uj Y'bchVYYb'fYUXžk]h'ci hUW_bck 'YX[]b['hY'gYWčbXUfm' gci fW'Zca 'k \]W'_bck 'YX[Y'cZhYa '\Ug'VYYb'cVU]bYX"

8i d']WU]cb'f'fY'Zd'U[]Uf]ga "L'gi Va]h]b['mci f'ck b'k cf_ž]b'k \c'Y'cf']b'dUf'žk \YfY']h\Ug'dfYj]ci g'm VYYb'dfYdUfYX'cf'gi Va]hYX'Zcf'UbchYf'UggYgga Ybhcf'Wč'i fgY'Uhi BGK 'cf'UbchYf'i b]j Yfg]m'

7cffYW'fYZfYbW]b['dfUW]W'g.

- DUfUd\Ug]b[žgi a a Uf]g]b[žYggUmk f]h]b['UbX'h]a Y'a UbU[Ya Ybh
- 5ddfcdf]UHY'i gY'cZUbX'Uhf]Vi h]cb'Zcf'U'fUb[Y'cZa UHYf]U'g']bW'i X]b['hYI hž]a U[YgžZcfa i 'UY'UbX WčbW'drg"

- 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'h'X'UgdY'W'g'cZ9@-G9'k]''\Y'd'mci 'a U_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

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

5 WUXYa]WbZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYWU`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
- ghi XYbhYei]miUbX`X]gUV`]`m/
- UbX`chYfYggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\hdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbhghi XYbh\]bZcfa Uhcb`dfcVc`g`\[i \]XY`\]bYg#](#)

⇒ U[Y`7fYX]h

D\chc`VmG\UVi `5bck Yf`cb`I bgd`i g\

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY.`\$\$\$- ;