



7ci fgY`Cj Yfj ]Yk

GHJZ7cbHJW`8YHJ`g

7cbj Ybcfg

B Ua Y	9a U]	5j U]UV]]m	@cW]hcb	D\cbY
>Ua Yg`K ][ [ ]bg	^Ua Yg`k ][ [ ]bg4 i bgk "YXi "Ui	9a U]`rc`UffUb[ Y d\cbY`cfj ]XYc`WJ`"	F cca ` ` %&ž `Yj Y`" `F cVYfh K YVghYf 6i ]X]b[	

GW`cc``7cbHJW`bZcfa Uh]cb

GW`cc``cZ`hY`5fng`UbX`A`YX]U

F cca ` ` %&ž @Y] Y`" žF cVYfhK YVghYf`6i ]X]b[ `fl` %Ł

D\cbY. `f\$&Ł`- ` , ) `( , ) \*

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

K YVg]hY: [k k k "Ufng"i bgk "YXi "Ui #gUa](#)

H\Y`GW`cc``cZ`hY`5fng`UbX`A`YX]U`k`ci`X`\_]`Y`rc`F`YgdYVW`z`m`5`W`bck`YX[`Y`h`Y`HfUX]hcbU`7`i`g`rc`X]Ubgž`h`Y`6`Y`X`Y[`U`f`P`Y`bg]b[`rc`b`W`Ja`di`g`Łž;`UX][`U`f`7`]m`UbX`5`fh`/`8`Y`g][`b`7`Ua`di`g`Y`g`Ł`UbX`h`Y`B[`i`bb`U`k`U`d`Y`cd`Y`f`b`i`g`f`U`]Ub`8`Y`Z`b`W`:`c`f`W`5`W`U`X`Y`a`m]b`7`Ub`V`Y`ff`U`Ł`c`Z`h`Y`Ub`X`g`k`Y`Y`f`Y`U`W`W`Ja`di`g`c`Z`I`B`G`K`]`g`c`W`h`Y`X`"

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`\*`

Gi a a UfmicZ\hY'7ci fgY

5hUbm[ ]j Yb'a ca Yblžcb'Ubm[ ]j Yb'XUnžk Y'UfY'VY]b[ ]gc'X'gca Yh]b[ " " #ia UmVY'Ug]g]a d'Y'Ug'U'dfcXi W  
cf'Ug'Wta d'YI'Ug'Ub'Ybh]fY'k UmicZ']Z'""K Y'WU""h]g'hmdY'cZ'Wta a i b]WU]hcb'fd'fca ch]cbf'5bXž'[\_Y']hcf'bctž  
]hg'h'rbXf]g'UfY'dfYgYbh]b'Yj YfmZUW'hcZci f'"]j Yg""C b'U' [ fUbi'Uf'Yj Yž'hYgY'h'rbXf]g'a Um]bZi YbW'hY  
Wch'Yg'k Y'k YUf'cf'hY'Yb'h'fU]ba Ybhk Y'j ]Yk ""C b'U'a cfY [ fUbx'gW'Yž'dfca ch]cb' ]g'W'bfU'hc'ci f  
dc']h]Vg'UbX'ci f'Y'Wt'bcam'

K Y'"]j Y' ]b'U'dfca ch]cbU'W'hi fY""H\]g'Wti fgY'k ]""dfcj ]XY'mci 'k ]h'hY'\]g'hc'fmUbX'h'Ycf]Yg'cZ\ck'h]g  
W'hi fY'Wta Y'hc'VY""5bXž'Ug'hY'rk'c'a cghg][ b]Z'WU]bh'UbX'YghUV' ]g\YX'Z'Y'Xg'k ]h]b'dfca ch]cbž'di V' ]W  
fY'U'h]cbg'UbX'UXj Yfh]g]b[ 'k ]""dfcj ]XY'hY'žc'W'g'žc'f'Xc]b[ 'h]g'Gcžk \Y'h'Y'f'mci 'd'Ub'hc'VY'U'dfUW]h]cbYfž'U  
gW'c'Ufž'cf'g]a d'm'U'a cfY' ]b'žc'fa YX'W]h'nYbž'h]g'Wti fgY'cZ'Y'fg'j ]hU' \_bck'YX[ Y'cb'\ck'dfca ch]cbU'  
Wta a i b]WU]h]cbg'cdYfU'h'UbX'h'Y'fY'dY'fW'gg]cbg'h'Y'm\Uj Y'\UX'žc'f'ci f'gc'W]Y'm'""

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

% 5dd'm'Wt'bvW'dhg'UbX'h'Y'cf]Yg'cZ'dfca ch]cb'hc'W]h]W'""m'Ub'U'ngY'dfca ch]cbU' 'h]i hg"  
&" 8YgW]VY'UbX'X]gW'gg'h'Y'\]g'hc'fmicZ'dfca ch]cbU'dfUW]W]g'UbX'h'Y'f' ]a dUW'h'cb'gc'W]Y'm'  
' " 7fUž'iU'WY'Ufž'W]h]W'UbX'dY'fgi Ug]j Y'Uf[ i a Ybhk \]W\UXX'fY'ggYg'h'Y'\]g'hc'f]Yg'UbX'W'hi fYg'cZ  
dfca ch]cb""

HYUW]b[ 'GhfU'h[ ]Yg'

#h'fUW]j Yž'dUfh]W]dU'hc'fmUbX'fY'ZY'W]j Y'h'Y'UW]b[ 'Udd'fcUW]Yg'k ]""VY'df]cf]h]nYX'U'cb[ 'k ]h'Wt'bvW'dh'U'  
Z'Ua Yk'cf\_g'UbX'Udd'YX'a Y'h'c'Xg""H\Y'gY'h'Y'UW]b[ 'ghfU'h[ ]Yg'Yb'Wti fU[ Y'gh'XY'bhg'hc' ]a a YfgY'h'Ya gY'j Yg  
]b'h'Y'\]g'hc'fmUbX'W]h]W'""Udd'fcUW]Yg'cZ'di V' ]WfY'U'h]cbg'UbX'UXj Yfh]g]b[ ]b'c'fY'f'hc'dfca ch'f'fY'ZY'W]h]cb'UbX'  
h'Y'Udd' ]WU]h]cb'cZ'h]g'a U'h'f]U' ]b'Vch'ž'hi fY'UW]XYa ]WUbX' ]bXi gh'f'mdi fgi ]hg""

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHŸ	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
F YZYW]cb'YI YfW]gY'	&\$!	\$&# \$+ #&\$&% '\$, . \$\$ 'DA	%ž'
8]gW gg]cb '@YUXYfg\]d'	' \$!	5g'UffUb[ YX'k ]h'Hi hc f"	&ž'
7 f]h]WU'9ggUm	) \$!	\$* # \$, #&\$&% '\$, . \$\$ 'DA	%ž' &ž'

## 5ggYgga Ybh8YhU]`g

5ggYgga Ybh% 'F YZYW]cb'YI YfW]gY

8YhU]`g.

fW]gY'ghi Xnt%\$\$!&\$\$\$'k cfX'W]gY'ghi Xnt': YYXVUW\_ j ]U'Wci fgY '@A G"

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

5ggYgga Ybh& . 8]gW gg]cb '@YUXYfg\]d

8YhU]`g.

f]bX]j ]Xi U`ma Uf\_YXE%) 'a ]bi h'g'Xi f]b[ 'U'gdYW]Z]WWUgg'cb'U'dUfh]W'Uf'hcd]W'Ug'UffUb[ YX'k ]h'hi hc f"

Hi fb]h]b'gYh]b[ . 'H\]g' ]g'bchU'Hi fb]h]b'Ugg][ ba Ybh

5ggYgga Ybh' . 7 f]h]WU'9ggUm

8YhU]`g.

ffYgYUfW'Wta dcbYb]h'Uddfc] '&\$\$\$'k cfXg''': YYXVUW\_ 'dfcj ]YX'j ]U'@A G"



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

B #5

F YWca a YbXYX`F Ygci fWg

8Uj Jgž5Yfcb""&\$% ""Bda\_ af[a` S^5g fgdW, FZWD[eWS` V EbdWSV aX3VhWdf[e] Ył BgT U DWSf[a` eł  
? Sd] Wf[ Y S` V 4d` V[ Yž7 Ua Vf]X[ Y. Dc`]mDfYgg"

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

≠Zmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]bzd`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`f1`\*)`XUmg`U`mY`Uf2`≠Zmci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`Zi`h`k`]H`Hi`fb]h]b`mci`a`UmUdd`mZc`f`Ub`YI`HYbg]cbz`Vi`hmc`i`  
a`i`ghfYH]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]H`Ubmc`HYf`fY`Yj`UbhXcW`a`YbHgk`hc`  
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`≠Zmci`Ya`U]`9I`HYfbU`Gi`ddcfhmc`i`k`]`  
Ui`hca`U]W]m`fYW]j`Y`U`h]W`Yhbi`a`VYfz`Vi`h]Zmci`HY`Yd\cbY`mci`k`]`bYYX`hc`gdYW]Z]W]mUg`Zc`f`cbY`  
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`H`Y]f`gmghYa`g`hU`h`g`cb`Hk`]HYf`"

;`YbYfU`mz`UggYgga`YbhiUg\_g`a`i`ghVY`gi`Va`]HYX`Y`YWfcb]W]m]j`]U`Y]H`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`  
Ugg][`ba`Ybhi`b`]bghU`bVW`g`k`\YfY`H`g`]g`bchdcgg]V`Yz`]hk`]`VY`ghUHYX`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`. \hhdg.#gh`XYbhi`bgk`"YXi`"Ui`#ck`!  
gi`Va`]hUgg][`ba`Ybhi`a`ccX`Y`"

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

D`U[ ]Uf]ga `]g`i`g]b[ `h`Y`k`cfXg`cf`]XYUg`cZc`h`Yfg`UbX`d`f`Yg`Yb]b[ `h`Ya`Ug`mci`f`ck`b`" `#WUb`hU`\_`Y`a`Ubm`  
Zcfa`gZ`Zca`X`Y`]VYfU`h`V`X`Y`U`h]b[ `h`c`U`W`W`X`Y`b`h`U`m`i`W`c`d`m]b[ `Z`ca`U`g`ci`f`W`k`]h`ci`h`U`W`\_`b`c`k`Y`X[ `Ya`Y`b`h`

I`B`G`K` `[`f`ci`d`g`d`U[ ]Uf]ga `]b`h`c`h`Y`Z`c`ck`]b[ `W`U`h`Y`[`c`f]Y`g.

7`c`d`m]b[ `.`i`g]b[ `h`Y`g`U`a`Y`c`f`j`Y`f`m`g]a`]U`f`k`c`f`X`g`h`c`h`Y`c`f][`]b`U`h`Y`h`c`f`]X`Y`U`k`]h`ci`h`U`W`\_`b`c`k`Y`X[ ]b[ `h`Y`



- 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 ""

[\hhd.##ji V'YW'i \]XYg" \]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

## 5 WUXYa ]W=Zcfa Uh]cb

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

- fYei Ygh]Zcf`YI H`bg]cb/
- `Uh`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua ]bUh]cb`dfcW`Xi fYg/
- gdYW]U`W`bg]XYfUh]cb`]b`h`Y`Yj YbhcZ]`bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]mUbX`X]gUV`]m/
-