



7ci fgY`Cj Yfj ]Yk

GHJZ7cbHJW`8YHU`g

7cbj Ybcfg

B Ua Y	9a U]	5j U]UV]]m	@cW]hcb	D\cbY
DfcZggcf'6f][ ]hU C`i VUg	V"c`i VUg4 i bgk "YXi "Ui	6mUddc]bha Ybh	K YVghYf'&&)	

GWcc``7cbHJW`bZcfa Uh]cb

GWcc``cZH`Y`5frg`UbX`A`YX]U

Fcca`" %&ž@Y] Y`` žF cVYfhK YVghYf'6i ]X]b[ `f] %(` 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`GWcc``cZH`Y`5frg`UbX`A`YX]U`k`ci`X``\_Y`hc`F`YgdYWZ` ``m5W\_bck`YX[`Y`h`Y`HfUX]h]cbU``7`i`ghcX]Ubgž`h`Y`6YXY[`U`fP`Ybg]b[`hcb`W]a`di`gŁž;`UX][`U`f]`]m`UbX`5`fhv`'8`Yg][`b`7`Ua`di`gYgŁ`UbX`h`Y`B`[`i`bbUk`U`dYcd`Y`f5i`ghfU]Ub`8`YZYbVW`:`cfW`'5WUXYa`m]b`7`UbVYffUŁ`cZH`Y`UbXg`k`YFY`YUWX`W]a`di`g`cZI`BGK`]g`cW]hYX"

7ci fgY'8YHJ>`g

7fYX]hDc]bHg`\*`

Gi a a UfmicZ\hY'7ci fgY

H\]g`Wci fgY]bfcXi W'g'mci `hc'a U'cf'jggi Yg'UbX'k cf\_g]b'5i gfu']Ub'']HYfUhi fYz'k ]h'U'dUfh]W`Uf'ZcW'g'cb  
a UHYf]U`Zca`hY'dUgh'k c`W'bh f]Yg" `#k ]`W'cbHYI hi U']gY']a dcfU'bhk cf\_g]b`HYfa g'cZU'fUb[ Y'cZ'cWU'`UbX  
[ `cVU''']HYfUfmiUbX`W`hi fU'Zcfa U]cbg'z'h'i g'dfcj ]X]b[ `U'a Ud'cZ\hY`W'ca d'YI`UbX`W'Ub[ ]b[ `bUhi fY'cZ  
bU]cbU'`W`hi fY" `Mci `k ]`gh Xma UHYf]U'`Vmk f]HYfg`Zca`X]j YfgY`VUW\_[ fci bXg'z]bW'i X]b[ `#X][ Ybci g  
k f]HYfg" `Mci `k ]`U'gc`Yb[ U[ Y'k ]h`hY`Uf[ Yf'di V]WW`hi fY'cZ5i gfu']Ub'@]HYfUhi fY`VmW'cbg]XYf]b[ `hY  
d`UW`cZ]HYfUhi fY`]b`W'cbHY'a dcfUfmi"]Z" `Zmci`UfY`W'ca d'Y]b[ `U'dfc[ fUa` ]b`9Xi WU]cb`Gh`X]Yg'z'mci `k ]`VY  
cZYfYX`hY`cd]cb`cZdi fgi ]b[ `mci f'gh XmicZ5i gfu']Ub'@]HYfUhi fY`h'fci [ \ `U'dYXU[ c[ ]WU'fi Vf]W

7ci fgY'@YUfb]b[ `Ci hW'ca Yg

%` ÆYbh]Zm\_Ym]ggi Yg'UbX'a ca YbHg ]b`hY'5i gfu']Ub'']HYfUfmi]UX]h]cb"  
&" 9b[ U[ Y`W]h]WU'`mk ]h`\_Ym]ggi Yg'UbX'a ca YbHg ]b`hY'5i gfu']Ub'']HYfUfmi]UX]h]cb`h'fci [ \ `hY  
UbU'mg]g'cZgdYWZ]W'HYI hg'UbX`]b`U'fUb[ Y'cZcfU'`UbX'k f]HYb'a cXYg"  
' " 8Ya cbgfu]HY`Yb\UbW'X`ZJa ]]Uf]m]k ]h`a U'cf'']HYfUfmi]HYI hg'Vm5i gfu']Ub'Ui h'c'fg"  
( " 8Ya cbgfu]HY`Ub'i bXYfg]UbX]b[ `cZ\hY`dfc'h'W'g'cZUWUXYa ]W\_bck`YX[ Y`W'cbgfi W]cb"

HYUWX ]b[ `GhfUHY[ ]Yg`

H\Y`Wci fgY`jg`hU [ \h'h'fci [ \`YW'i fYg'UbX'hi h'cf]U`g"

@YW'i fYg'dfcj ]XY`W'cbHYI hi U'']bZcfa U]cbz'ci h]bYg'cZW]h]WU'`fYg'dcbgYg`hc`hY`hYI hg'UbX'gca Y`WcgY  
X]gW`gg]cb" `Hi h'cf]U`g`fYei ]fY`gh' XYbHg`hc`Yb[ U[ Y`UW]h] Y`mk ]h`hY`YW'i fY`UbX`fYUX]b[ `a UHYf]U'`UbX  
XYj Y'cd`hY]f'ck b`W]h]WU'`fYg'dcbgYg"

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHŸ	Gh XYbh@YUfb]b[ Ci hŤa Yg'5ggYggYX
9ggUm	) \$!	\$&# \$+ #&\$&% '\$, . \$\$ 'DA	%ž' &ž' ž(
HU_Y!\ca Y'YI Ua	) \$!	\$- # \$, #&\$&% '\$, . \$\$ 'DA	%ž' &ž' ž(

## 5ggYgga Ybh8YHU]`g

### 5ggYgga Ybh% '9ggUm

GHUfhXUHŸ. 'Bch5dd`]WUV`Y

@Yb[ h. `%) \$\$'k cfXg

8YHU]`g.

ŤX]j ]Xi U`

%) \$\$!k cfXg

F YgdcbgY `h `U`dfcdcgl]cb`gYhVmŤbj Ybcf

) \$!dYfWbh

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Hi fb]h]b`gYh]b[ . `H\]g`Ugg][ ba Ybh]g`gi Va ]mX`h`fci [ \ `Hi fb]h]b`UbX`gh XYbhg`Xc`bchgYY`Hi fb]h]b`g]a ]Uf]mfYdcfŸ"

## 5ggYgga Ybh&. 'HU\_Y!\ca Y'YI Ua

GHUfhXUHŸ. '\$\* # \$, #&\$&% '\$( . \$\$ 'DA

@Yb[ h. `Uddfcl `%) \$\$'k cfXg

8YHU]`g.

ŤX]j ]Xi U`

HU\_Y!\ca Y'YI Ua

%) \$\$!&\$\$\$'k cfXg

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: YYXVUW\_j ]U'@A G

Hi fb]hb'gYhb[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hX'h'fci [ \ 'Hi fb]hb'UbX'gh XYbhg'Xc' bchgYY'Hi fb]hb  
g]a ]Uf]mfYdcfry"

5 hYbXUbW F Yei ]fYa Ybhg

Gh XYbhg UfY gfhcb [ mYbWci fU[ YX hc UhhYbX U WUggYg UbX fYj ]Yk YWih fY fYWcfX]b[ g"

7 ci fgY GWYXi Y

[J Yk WUgg hja YhUV Y](#)

Hja YhUV Y

8 UhY	HmdY	7 cbhYbh
K YY_% " %A Um! (" >i bY	@YWh fY	K Y Wca Yz bfhcXi Wjcb hc 5i ghfU]Ub @]hYfUhi fY
	Hi hcf]U	bhfcXi Wjcbz 5i ghfU]Ub @]hYfUhi fYz 7 c`cb]U`Ghcf]Yg"  D`YUgY`fYUX`Uh`YUghcbY`cZhY`ghcf]Yg`gWYXi`YX` Zf`K`YY_g`&`UbX`" "  Hi hcf]U`dfYdUfU]cb`hcd]Wg`k`j`VY`dcghYX`hc`hY` Wci fgY`a`ccX`Y`g]hY"
K YY_& . + >i bY ! %% >i bY	@YWh fY	HVY`dYfj`YfgYz`hY` ;` ch`j]Wz`UbX`hY` YI`dYf]a`Yb]U` .`7`c`cb]U`Ghcf]Yg`Vm9fbYgh: Uj`YbWz` 5XU`7`Ua`Vf]X[`Yz`HUga`U`f]bX`Wcd]Yg`cZU`cZhYgY` cb`Wci fgY`a`ccX`Y`g]hY"
	Hi hcf]U	D`YUgY`fYUX`hY`gY`VY`Zc`fY`hY`YWih`fY" A`UhYf]U`Wcj`YfYX`]b`K`YY_`&`YWh`fY"  Hi hcf]U`dfYdUfU]cb`hcd]Wg`k`j`VY`dcghYX`hc`hY` Wci fgY`a`ccX`Y`g]hY"
K YY_ " . % >i bY ! % >i bY	@YWh fY	fcBmiUbX`hY` ;` ch`j]Wz`m]W`<`Ybfm@Uk`gcb`UbX`

DcYa g`Vm>c\b`G\Uk `BY]gc  
>i X]h`K f][ \hž; k Yb`<Ufk

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

HYI hg`gi dd`]YX`cb`A ccX`Y`cf`h\ fci [ \ `@Y[ Ubhc.

7 c`cb]U`G\cfhgfcf]Yg`Vm5XU`7 Ua Vf]X[ Yž9fbYghi: Uj YbWUbX`HUga U

Gfcf]Yg`Vm<Ybfm@Uk gcb`UbX`6UfVUfU`6Umbhc b

DUXXmF cYž`A ]fX]bUb`Ui X]c`Z`Y`UbX`fUbgW]dh

5`ZHUmcfžGY`YWYX`Gfcf]Yg

GY`YW]cb`cZ5i ghfU`]Ub`DcYfcm

5bh] cbY`?YZU`Už`H\Y` : ]fgh>ci fbYm`fZca`FZW8[def <agd Wk, Fi a EZad@ahWeł

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Gi Va ]gg]cb`cZ5ggYgga YbhiHUg\_g

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

≠mci`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`Uj`hYa`icb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`""Gi`ddcfh`  
\ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`icb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`icb`k`YY`YbXg`fI`\*)`XUmg`U`mY`UfI`"≠mci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`ZU`ihk`]h`Hi`fb]h]b`mci`ia`UmUdd`mZc`f`Ub`YI`HYbg]cbz`Vi`hmc`i`  
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtg`L`hc`  
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`"≠mci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`]`  
Ui`hca`U]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYfz`Vi`h]Zmci`HY`Yd\cbY`mci`k`]`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`"  
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`h`Y]f`gmghYa`ig`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiUg\_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]WU`mj`]U`Y]h`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`  
Ugg][`ba`Ybhi`h]b]bg]h]bVW]g`k`\YfY`h`g`]g`bchdcgg]V`Yz`]hk`]`VY`ghUHYX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`  
U`HYfbU]h]`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf]bZcfa`Uh]cb`cb`\ck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb]bY`j`]U`A`ccX`Y`.\`hhdg`#gh`XYbhi`bgk`"YXi`"Ui`Ack`!  
gi`Va`]hUgg][`ba`Ybhta`ccX`Y`"

## 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`B`G`K` `[`f`c`i`d`g`d`U[ ]Uf]ga `]b`h`c` `h`Y` `Z`c` `c`k` ]b[ `W`U`h`Y`[ `c`f`]Y`g.

- i bXYfgHUbX'mci f'f][ \hg'UbX'fYgdcbg]V']hYg'Ug'U'gh XYbhUhl BGK
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5 WUXYa ]W**⊖**Zcfa Uh]cb

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