



7ci fgY`Cj Yfj ]Yk

GHJZZ7cbHJWk8YHJ]`g

7cbj Ybcfg

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7fYX]hDc]bHg`\*`

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H\]g`Wci fgY`]g`XYg][ bYX`Zcf`ghi XYbHg`k ]h`VUg]W\_bck`YX[ Y`cZ: fYbW`YeI ]j U`Ybhic`hk`c`hYfa`g#gYa`YghYfg`cZgh`Xm]b[ `hY`Ub[ i U[ Y`Uhi`b]j`Yfg]hm`Yj`Y`"K` ]h`U`Wca`a`i`b]WU]h] Y`UbX`hUg\_!VUgYX`UddfcUW`hc`ZcfY][ b`Ub[ i U[ Y`YUfb]b[ žmci`k`]"YUfb`hc`Wca`a`i`b]WU]h`]b`g]a`d`Y`UbX`fci`h]bY`hUg\_g`fYeI`]f]b[ `U`g]a`d`Y`UbX`X]fYWhYI`W`Ub[ Y`cZ]bZcfa`U]cb`cb`ZJa`]"Uf`UbX`fci`h]bY`a`U]hYfg`"Mci`k`]"XYj`Y`cd`mci`f`]ghYb]b[ `UbX`gdYU\_]b[ `g\_]`g`Ug`k`Y`"Ug`mci`f`fYUX]b[ `UbX`k`f]h]b[ `g\_]`g`h`fci`[ \`j`Uf]YX`UW]j`]hYg`UbX`hUg\_g`XcbY`]b`WUgg`UbX`#f`dfYdUfYX`Uh`lca`Y`"J`cWU]Vi`UfmiUbX`[ fUa`a`U]h]WU`"ghfi`W]i`fYg`UfY`dfYgYbhYX`]b`hY`WcbhYI`hcZ`W`h`fU`"mfY`Yj`Ubh]jgi`Yg`Zca`":`fUbW`cf`hY`":`fUbW`d`l`cbY`k`cfX`"H\Y`a`YX]i`a`cZ]bghfi`W]cb`]g`":`fYbW`"

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

- %`I`bXYfghUbX`UbX`i`gY`k`]h`WcbZXYbW`Z`fYeI`Ybhmi`gYX`YI`dfYgg]cbg]b`":`fYbW`k` \ ]W`UfY`fY`UhYX`hc`UfYUg`cZa`cgh]a`a`YX]U]h`fY`Yj`UbW`
- &`7`ca`a`i`b]WU]h`Y`ZY`W]j`Y`m]b`":`fYbW`]b`Yj`YfmXUm]hUg\_g`fYeI`]f]b[ `U`g]a`d`Y`UbX`X]fYWhYI`W`Ub[ Y`cZ]bZcfa`U]cb`
- '`" `8`YgW]VY`]b`":`fYbW`UgdYW]g`cZdYfgcbU`"VUW\_[ fci`bXž]a`a`YX]U]h`Ybj`]fcb`a`YbhUbX`a`U]hYfg]b`UfYUg`cZ]a`a`YX]U]h`b`Y`Y`X`
- (`" `8`Ya`cbghfU]h`U`VUg]Wi`bXYfghUbX]b[ `cZgca`Y`"b[ i`]gh]WUbX`W`h`fU`X]j`Yfg]hm]bWi`X]b[ `hY`j`Uf]YX`bU]i`fY`cZ`hY`":`fUbW`d`l`cbY`k`cfX`

HYUW]b[ `GhfUH[ ]Yg`

H\Y`UddfcUW`hc`hY`":`fYbW`"Ub[ i U[ Y`]g`Wca`a`i`b]WU]h] Y`UbX`hUg\_!VUgYXžk` \ ]W`a`YUbg`hY`Wci`fgY`ZcW`gYg`cb`hY`"Ub[ i U[ YžWca`a`i`b]WU]h] Y`ghfUH[ ]YgžUbX`W`h`fU`ZUWc`fg]b`XU]midYfgcb!hc!dYfgcb]bhYfUW]cbž]b`cfXYf`hc`UW`Wca`d`]g`a`YU]b]b[ ž`"hUg\_g`"H\]g`]g`UW]Yj`YX`h`fci`[ \ `Wc`"UVcfU]h] Y`d`Y`Yf`]bhYfUW]cb`UbX`]bWi`g]j`Y`hYUW]b[ `ghfUH[ ]Yg`U]a`]b[ `Uh`hY`]a`dfcj`Ya`YbhicZcfU`UbX`k`f]hYb`Zi`YbWhUbX`UW]W`fUW]ž`U`"gi`ddcfYX`VmU]j`Uf]YfmicZUi`hY`b]h]W]XcW`a`YbHg`UbX`j`Uf]ci`g`a`YX]U`hc`]bW]YUgY`gh`XYbh`]ghYb]b[ `UbX`fYUX]b[ `Wca`dfY`Ybg]cb`g\_]`g`"H\Y`"Ub[ i U[ Y`cZ]bghfi`W]cbž`UggYgga`YbhUbX`[ YbYfU`Wca`a`i`b]WU]h]cb`]g`":`fYbW`":`UW]!hc!ZUW`hY`UW]b[ `]g`gi`ddcfYX`UbX`Yb`UbW]X`Vmcb!]bY`a`U]hYf]U`g`UbX`UW]j`]hYg`j`]U`hY`cb`]bY`d`UhZcfa`fA`ccX`Y`h`fci`[ \ `H9@H`I`B`G`K`";`U]hYk`U]h`"

- `#`"YWi`fYgžgh`XYbHg`a`U]b`m`YUfb`UVci`hW`h`fY`hcd]W]g`Zca`hY`":`fYbW`gdYU\_]b[ `k`cfX`f]gi`W`Ug`]Z]gmiY`/`gdcf]gž`cf`gcV]U`"UW]j`]ga`k`UbX`hY`j`cWU]Vi`UfmiY`UhYX`hc`hY`Z]Y`Xž`Ug`k`Y`"Ug`UVci`h`[ fUa`a`Uf`hcd]W]g`f]gi`W`Ug`hYbgYg`cf`dfcbci`bgk`]b`cfXYf`hc`XYj`Y`cd`UW]W`fUW]i]b`hY`"Ub[ i U[ Y`"Hc`ž`f`hYf`hY`gh`XYbHg`"YUfb]b[ `YI`dYf]YbW]ž`U`" [ fUa`a`Uf`YWi`fYg`k`]"VY`dfY`%

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k f]h]b[ 'YI YfW]gYgž'Ug'k Y''Ug'fY[ i 'Uf'df]j UH'gh' XmiUbX'fYj ]g]cb'Uh\ca Y'cf]b'hY'a i 'h]a YX]U'UFYU"  
fK YY\_'mdfUW]W'UbX'fYj ]g]cb'k ]h'hY'Ui X]c'UbX'j ]XYc'a UH'f]U'UW'ca dUbm]b[ 'hY'Wci fgY'hY h'cc\_Ž'hY  
cb]bY'Wcbh'bhcz'hY'Wci fgY'5'a ]b]a i a 'cZ) \ci fg'dYf'k YY\_'cZ]bXYdYbXYbhk cf\_]g'YI dYWYX'"F Y[ i 'Uf  
UWj Y'dfUW]W'UbX'fYj ]g]cb'UFY'YggYbh]U'Zcf'YZYWj Y'dfc[ fYgg]cb"

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f&\$!&) \$`k cfXgŁ`cb`U`hcd]WfY`UfYX`h`h`Y`W`b`h`b`h`c`Z`h`Y`W`i fgYž`h`Y`k \c`Y`h`gh`Ugh]b[ `W`"- \$`a`]b"

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fYUX]b[ `Wta dfY\Ybg]cb`j ]U`W`ffYW]cb`]b`WUgg`UbX`bi a Yf]W`[ fUXY"

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H\Y`h`ghk ]`VY`W`bXi WfYX`Xi f]b[ `hY`h`c`!`ci f`@97HI F 9G`"F YUX]b[ žk f]h]b[ /`[ fUa a Uf`#  
j cWUvi `Ufmi`h`ghW`bXi WfYX`Xi f]b[ `bcfa U`@97HI F 9G`!`ci fg`cb`k`YY\_," H\Y`h`ghk ]`VY`XcbY`cb`]bY"

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Gh XYbtg`k ]`Wta d`Yh`k`YY`\_`mdfYdUfU]cbg`cb`Ui X]c!j ]XYc`XcW`a`Ybtgžk f]hYb`hYI hž`UbX`#`f`j`cWUvi`Ufmi`#  
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H\Y`[ fUXYX`cb`]bY`ei ]nnYg`UfY`Uj`U]UV`Y`cb`A`ccX`Y" 9UW`!`ei ]n`k ]`VY`Uj`U]UV`Y`Zcf`h`Y`k`!`c`Y`c`Z`h`Y`  
W`ffYgdcX]b[ `k`YY`\_`UbX`]hWU`b`VY`UfY`a`dYX`cb`micbW`UbX`k ]`VY`h`a`YX"

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Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`Ug`Y`  
HY`Yd`l`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`,)`````%`cf`Ya`Uj`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`""`Gi`ddc`fh`  
l`ci`fg`UfY`,`.\$`\$Ua`-`-%`\$.`\$\$`da`i`cb`k`YY`\_X`Umg`U`bX`-`.`.\$`\$Ua`-`,`)`.`.\$`\$`da`i`cb`k`YY`\_Y`bX`g`f`l`\*)`X`Umg`U`m`Y`U`f`l`"Ʒmci`  
UfY`i`b`UV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Z`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Yj`U`b`h`X`c`W`a`Y`b`h`g`k`hc`  
]b`Wi`XY`U`g`Y`j`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`Uj`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`  
Ui`hc`a`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`l`cb`Y`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z]W`U`m`U`g`\_`Z`f`c`b`Y`"  
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`gi`d`X`U`h`g`c`b`h`Y`]f`g`m`g`h`Ya`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`U`gg`Y`g`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`  
U`gg][`ba`Yb`h`i`h`]b`g`h`U`b`W`g`k` \Y`f`Y`h`l`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`c`b`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`c`f`]b`Z`c`fa`U`h]c`b`c`b`l`c`k`hc`gi`Va`]h`U`gg][`ba`Yb`h`g`c`b`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!  
gi`Va`]h`U`gg][`ba`Yb`h`a`cc`X`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]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
- VY'Uk UfY'cZd'U[ ]Uf]ga ž'Wcdmf][ \hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ  
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ
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5 WUXYa ]W=Zcfa Uh]cb

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