



7 ci fgY`Cj Yfj]Yk

GHJZ`7 cbHJW`8 YHJ`g

7 cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWjhcb	D\cbY
9f]b`6fUbb][Ub	Y"VfUbb][Ub4 i bgk "YXi "Ui	6mYa Uj` Uddc]bha Ybh	F ""%- K YVghYf 6i]X]b[

GWcc7`7cbHJW`8 YHJ`g

GWcc`cZHY`5fmg`UbX`A YXJU

F cca `! %&@Yj Y`" žF cVYfhK YVghYf`6i]X]b[`fj %(`

D\cbY.`f\$&L`-` ,) `(,) *

9a Uj`.gJa 4 i bgk "YXi "Ui

7ci fgY'8YHJ`g

7fYX]hDc]bhtg`*`

Gi a a UfmicZ\hY'7ci fgY

H\]g`Wci fgY'dfcj]XYg'mci `k]h`Ub`cddcfh b]hmtc`[U]b`]bXi gfrmiYI dYf]YbWV`Vmi bXYftU_]b[`k cf_]bhtY[fUHfX`YUfb]b[`cb`d`UW`a Ybhk]h`U`dYfZcfa]b[`Uftrg`cf[Ub]gUhc]b`"Gh XYbhtg`]bhtYfYghfX`]b[U]b]b[`k cf_`YI dYf]YbWV`UfY`d`UW`X`k]h`Ub`Uddfcdf]UfY`cf[Ub]gUhc]b`gi V\`Ug`GmXbYm8 UbWV`7 ca dUbmz`GmXbYm H\YUfY`7 ca dUbmz`6Ub[UffUz` : cfWV`A U`Yi fYz`7 f]h]WV`DUh`z`DYfZcfa UbWV`GdUWV`zI fVUb`H\YUfY`Dfc`Y`Wg`z`D57H`z`DYfZcfa]b[`@]bYg`z`6Y`] c]fz`D`Unk f]h]b[`5i`ghfU`]Uz`7 Uff]U[Yk cf_g`UbX`h`Y`I` BGK` `7 fYU]j`Y`DfUW]WV`@UV`f7`D`@`

I dcb`Ybfc`a Ybhtz`mci `a i ghgi Va]hU`W`ff]W`i`a`j`]hUY`]bWm`X]b[`g_]`g`UbX`YI dYf]YbWV`z`UbX`U`ghUfY`a YbhicZ`dYfgcbU`Y`YUfb]b[`UbX`WUfYfY`[cU`g`"Mci `k]`k`cf_`cb`d`UW`a Ybhk]h`Ub`]bXi gfrmc]f[Ub]gUhc]b`Zcf`-`!`%`\$`\$` \`ci`fg`za`UbU[YX`Ufci bX`h`Y`cf[Ub]gUhc]b]f]Yei]fYa Ybhtg`UbX`h`Y`ch`Yf`Wci fgY`fYei]fYa Ybhtg`cZmci f`XY[fY`Y`"

Hc`VY`Y`][]V`Y`Zcf`h]g`Wci fgY`mci `k]`b`Y`Y`X`U`a`]b]a`i`a`K`5A`cZ`*)`]b`H\YUfY`UbX`DYfZcfa UbWV`Gh]XYg`cf`A`i`g]WgdYW]U`]gUhc]b]g`"

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

- %`F`Y`Wc[b]hY`h`Y`j`Uf]ci`g`ZUW]hg`cZ`h`Y`d`YfZcfa]b[`Uftrg`]bXi gfrmiUbX`\ck`h`UW]b[`UbX`Y`Ufb]b[`z`WV`YU]j`Y`XY`j`Y`cda`Ybhtz`dfcXi`W]cb`UbX`UXa`]b]ghfUhc]b`UfY`]bhtYf`Wc`bb`Y`WV`X`"
- &`5`dd`m`i`U`j`Uf]Y`hmicZ`W]h]WV`Y`bg`Y`g`hc`h`Y`fc`Y`cZ`d`mg]WV`d`YfZcfa UbWV`Ug`U`hmd`Y`cZ`_`bck`YX[Y`]b`h`Y`Vfc`UX`Yf`UY`gh`Y`h]Wz`W`h`fU`z`gc`W]U`UbX`Y`Wc`bca`]WVc`b`h`Y`h`g`h`U`ha`U`_`Y`i`d`h`Y`d`YfZcfa]b[`Uftrg`]bXi gfrmi`"
- '`8`Ya`cb`gh`f`U`h`Y`f`Y`g`Y`U`f`W`g`_]`g`UbX`W]h]WV`h`]b_]b[`]b[U`h`Y`f]b[`z`WU`gg]z]h]b[`UbX`Wc`a`a`i`b]WU]h]b[]bZcfa`Uhc]b`UVci`h`h`Y`d`YfZcfa]b[`Uftrg`"
- ("`5`dd`m`k`f]h]b[`g_]`g`hc`h`Y`h`f`U`bg`U`hc]b`UbX`Wc`a`a`i`b]WU]h]b`c`Z`d`YfZcfa UbWV`d`f`U`W]W]g`UbX`_`bck`YX[Y`g`"
-)`8`Ya`cb`gh`f`U`h`Y`d`mg]WV`U`k`U`f`Y`b`Y`gg`UbX`_`bck`YX[Y`h`fci [\`d`U`f]h]W]d`U`hc]b`]b`z`c`f`c`V`g`Y`f]`U`hc]b`c`z`WV`YU]j`Y`d`fc`W`gg`UbX`d`YfZcfa UbWV`"

HYUW]b[`GhfUHf[]Yg`

- 7`Y`b`f`U`Wc`b`W`d`htg`Zcfa`h`Y`a`U`c`f`f`B`UbWV`Gh`X]Yg`z`H\YUfY`UbX`DYfZcfa UbWV`Gh`X]Yg`z`A`i`g]Wc`k`]`VY`WUff]YX`]bhc`h`]g`gi`V`Y`W`h`k`Y`f`Y`gh`XYbhtg`k`]`VY`Z]b`Y`h`b]b[`g_]`g`]b`]b`XY`d`Y`b`XY`b`h`f`Y`g`Y`U`f`W`i`h`]g]b[`_bck`YX[Y`g`U`W`V`f`i`YX`"
- H\YgY`Wc`b`W`d`htg`k`]`VY`fY`!`U`dd`fc`U`W`Y`X`h`fci [\`U`Wc`bg]XY`f`U`hc]b`c`Z`\ck`h`Y`m`z`b`W]cb`]b`Vfc`UX`Yf`UY`gh`Y`h]Wz`W`h`fU`z`gc`W]U`UbX`Y`Wc`bca`]WVc`b`h`Y`h`g`c`Z`h`Y`d`YfZcfa]b[`Uftrg`]bXi gfrmi`"



UWcgg'hY'ghUbX'&bX'mYUfg'cZHAY]f'A U'cf''



5ggYgga Ybh

=k]`Wcbgi`hYUWk`cZmci`]bXj]]Xi U`micb`mci`f`fYgYUfWk`fYdcfhWcbhYbhiXi`f]b[`mci`f`]bhYfbg\]džVi`hk`]`
 gWXYXi`Y`U[`YbYfU`]bZcfa`Uhc]b`gYgg]cb`Ufci`bX`K`YY`_)`" `Zmci`f`]bhYfbg\]d`dYf]cX`Yi`WYXg`h`Y`fYdcfh`
 XYUX`]bYžd`YUgY`VY`]b`hci`Wk`k`]h`a`Y"

K`C`F`?`G`I`6`A`#`H`9`8.

5`" `W]h]cbg`a`i`gh]bW]`XY`dU[`Y`fY`Z`fY`b`W`g`" `Y[`f`b`i`h`c`f`g`i`f`b`U`a`Y`M`U`f`z`d`U[`Y`b`c`" `L`i`f`G`a` `]`h` `&`\$`\$`\$`ž` `Ł

Ł!`h`i`h`f`Y`Z`f`Y`b`W`]`b[`c`f`Z`c`b`c`h`g`U`f`Y`U`W`W`d`h`U`V`Y`"

:`i`" `V`]`V`]`c[`f`U`d`m`U`h`h`Y`Y`b`X`c`Z`m`c`i`f`f`Y`g`Y`U`f`W`k`d`U`d`Y`f`g`]`g`f`Y`e`i` `]`f`Y`X`"

I`b`f`Y`]`U`V`Y`k`Y`V`d`U[`Y`f`Y`Z`f`Y`b`W`g`U`f`Y`b`c`h`U`W`W`d`h`U`V`Y`ž`Y[`]"`K` `]`d`Y`X`]`U`"

:`c`b`h`g`n`Y`%`&`d`Y`U`g`Y`!`a`m`Y`m`Y`g`U`f`Y`[`Y`h`]`b[`C`@`8`"

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_g`	K`Y`][` \`h`	8`i`Y`8`U`h`Y`	G`h`i`X`Y`b`h`@`Y`U`f`b`]`b[`C`i`h`W`c`a`Y`g`5`g`g`Y`g`g`Y`X`
F`Y`g`Y`U`f`W`k`f`Y`d`c`f`h`_`%`	` `) ` `	&`(``#`\$`+`#`&`\$`\$`\$`\$` `)`. `\$`\$` `D`A`	%`ž` `ž`(``ž`)
F`Y`g`Y`U`f`W`k`f`Y`d`c`f`h`_`&`i`	(` `\$ `	&`(``#`\$`+`#`&`\$`\$`\$`\$` `)`. `\$`\$` `D`A`	%`ž`&`ž` `ž`(`
7`J` `K` `c`f`_`g` \`c`d`i`	&`)` `	%`&`#`\$`*`#`&`\$`\$`\$`\$` `)`. `\$`\$` `D`A`	%`ž`(`

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@`Y`b[`h`_`(``\$`\$`\$`!`(``)`\$`\$`k`

8`Y`h`U`]`g`.

3`&`" ` " `ž`&`" ` " `i` `d`W`b`a`d`f`Z`S`f`W`Y`S`Y`W`e`i` [f`Z` `S` `U`d`f`[`U`S`^`[`e`e`g`W`X`a`d`f`Z`W`Z`a`e`f`a`d`Y`S` `]`e`S`f`[`a` `S` `V` `S`V`V`d`W`e`e`W`e` `S`
 b`c`a`T`W`_`f`Z`W`k` `W`W` `f`a` `d`W`e`W`S`d`J`Z` `S` `V` `d`W`e`b`a` `V` `f`a`ž`F`Z`W`d`W`b`a`d` `V`a`W`e` `a`f`Z`S`h`W`f`a` `T`W`W` `f`[`d`W`k` `f`W`j`f`T`S`e`W`
 /`Y`d`S`b`Z`e`l`V`[`S`Y`d`S`_`e` `W`U`f`ž`

5`W`f`c`g`g`h`Y` `k` `c` `d`f`]`c`f`h`U`g_g` `f`d`c`f`h`Z` `]`c` `U`b`X` `Y`g`g`U`m`k`h`Y` `Y`U`f`b`]`b[` `c`i` `h`W`c`a` `Y`g`k` `Y`f`Y` `U`X`X`f`Y`g`g`Y`X`" `#`j`i`Y` `g`d`]`h`h` `Y`a`
]`b`h`c` `k` `c` `a` `U`f`_`g` `h`c` `g`i` `]`h`h`Y` `k` `U`m`h`Y` `U`g`g`Y`g`g`a` `Y`b`h`g` `U`f`Y` `g`Y`h`i` `d` `c`b` `5` `G`H`F` `5` `f`U`b`X` `k` ` \`W`k` ` `W`U`b`f`h`i`W`k` `U`b[`Y`L`" `H` \`]`g`

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bdaT`W_ fZWk` WWW fa dWēVSDJZ S` V dWēba` V fažFZWdWbadf VaWē` afZShWfa TWW f[dWk fWj fTSeW
/YcSbZet V[SYcS_e WUfž

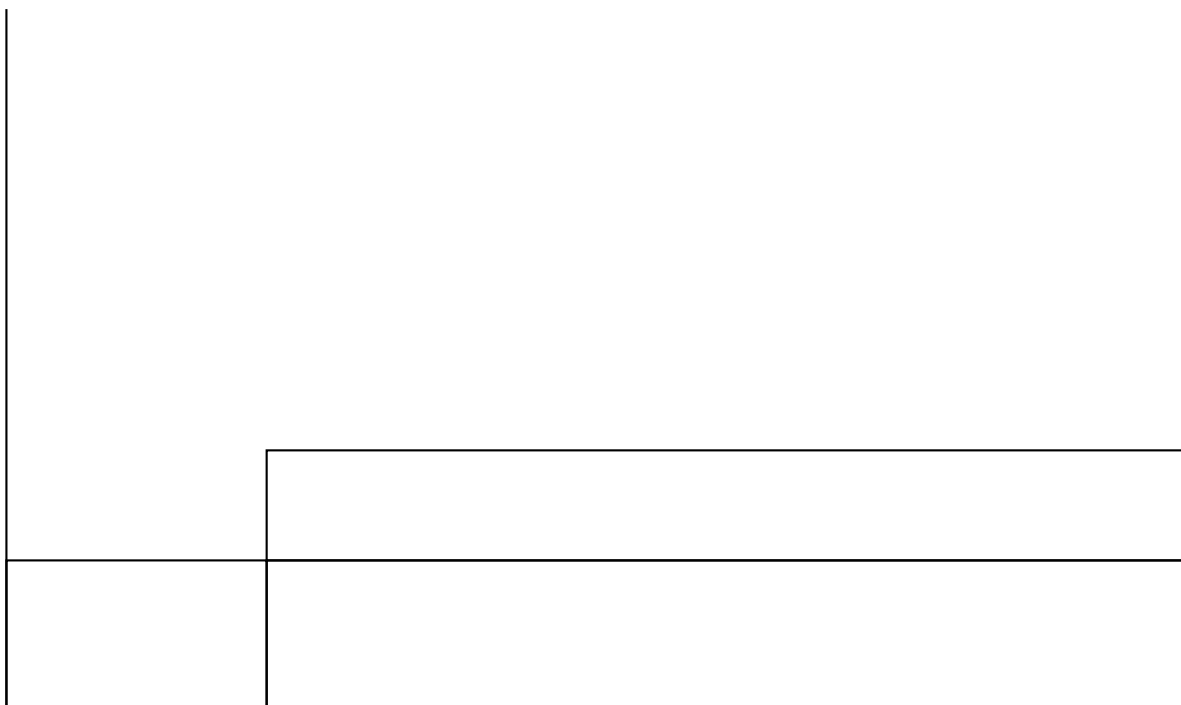
5Wfcgg'hY'k c'df]cf'hUg_g'hYgY`YUfb]b['ci hWēa Yg'k YfY`UXXfYggYX" `fiY'gd`]h'hYa`]brc'k c'a Uf_g'rc'gi]h
hY'k Um'hY`UggYgga Ybhg`UfY`gYhi d'cb'5GHF 5`fUbx'k \]Wk`=WUbffWkUb[YE" H\Y` (\$i` Zcf'h]g'hUg_k]`VY
UggYggYX`U[U]bgh

ⒺL`F YWē[b]nY'hY`j Uf]ci g`ZJW`hg`cZ'hY`dYfZcfa]b[`Ufng`]bXi g'fmiUbX`\ck`h'UWk]b[`UbX`YUfb]b[ž
WfYUhj`Y`XYj Y`cda Ybž`dfcXi W]cb`UbX`UXa`]b]g'fUh]cb`UfY`]b]h'f!WēbbYWYX"

Ⓔ%L`5dd`miU`j Uf]YhmcZW]h]W`YbgYg'rc'hY`fc`Y`cZd`ng]WU`dYfZcfa UbW`Ug`U`hmdY`cZ`bck`YX[Y`]b`hY
VfcUXYf`UYgh`Yh]W`h`fU`žgcW]U`UbX`YWēbca`]WēbhY`h`g`h`Uha` U_Y`i`d`hY`dYfZcfa]b[`Ufng`]bXi g'fmi`

ⒺL`8Ya`cbg'fUHY`fYgYUfWk`g_]`g`]b[`UhYf]b[ž

m`dY



a Uf_	W]hyf]U
< 8	5b`YI W`YbhUdd`jW]hcb`cZV`ffYW]cbg`hc`hY`7J`UbX`U`fY]b]b[`UbX`Y`UVcfU]cb`VYmc`bX`hcgY`V`ffYW]cbg`fYgi`h]b[`]b`U`WYUf`UbX`dYfgi`Ug]j`Y`7J`"9I W`YbhYI`dfYgg]cb`UbX`cf][`]bU`]m]b`hY`ZUa`]b[`cZ`k`cf_`UbX`YXi`W]hcb`\\][`\\][`\\hg"
8	5b`Udd`jW]hcb`cZV`ffYW]cbg`hc`hY`7J`UbX`U`fY]b]b[`UbX`Y`UVcfU]cb`VYmc`bX`hcgY`V`ffYW]cbg`fYgi`h]b[`]b`U`WYUf`UbX`dYfgi`Ug]j`Y`7J`"7`YUf`YI`dfYgg]cb`UbX`cf][`]bU`]m]b`hY`ZUa`]b[`cZ`k`cf_`UbX`YXi`W]hcb`\\][`\\][`\\hg"
7	5b`Udd`jW]hcb`cZV`ffYW]cbg`hc`hY`7J`UbX`U`fY]b]b[`UbX`Y`UVcfU]cb`VYmc`bX`hcgY`V`ffYW]cbg`"7`YUf`YI`dfYgg]cb`UbX`gca`Y`cf][`]bU`]m]b`hY`ZUa`]b[`cZ`k`cf_`UbX`YXi`W]hcb`\\][`\\][`\\hg"
D	5b`Udd`jW]hcb`cZV`ffYW]cbg`hc`hY`7J`UbX`U`fY]b]b[`UbX`Y`UVcfU]cb`VYmc`bX`hcgY`V`ffYW]cbg`"7`YUf`YI`dfYgg]cb`UbX`ZUa`]b[`cZ`k`cf_`UbX`YXi`W]hcb`\\][`\\][`\\hg"
.	B`c`Udd`jW]hcb`cZV`ffYW]cbg`hc`hY`7J`"I`bWYUf`YI`dfYgg]cb`UbX`ZUa`]b[`cZ`k`cf_`UbX`YXi`W]hcb`\\][`\\][`\\hg"

Hi fb]h]b`gYh]b[.`h\]g`Ugg][`ba`Ybh]g`gi`Va`]h]X`h`fci`[`\\`Hi`fb]h]b`UbX`gh`XYb]g`Xc`b`chgY`Y`Hi`fb]h]b`g]a`]Uf]m]fYdc]f]g"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

GYY`cb`]bY`fYUX]b[``]ghUhcb`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

GYY`cb`]bY`fYUX]b[``]ghcb`A ccX`Y"

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

H\]g`Wci fgY`k]``VY`Yj U`i UH`X`h`fci [\ `U`A m9I dYf]YbW`gi fj YmUh`h`Y`YbX`cZ`h`Y`Wci fgY"

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

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`UgY`
HY`Yd`l`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`,)`````%`cf`Ya`U]`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`Y`U`b`h`X`c`W`a`Y`b`h`g`k`hc`
]b`Wi`X`Y`U`g`Y`j`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`U]`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`Ug`_`Z`f`c`b`Y`"
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`g`i`d`X`U`h`Y`g`c`b`h`Y`]f`g`m`g`h`Y`a`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Yb`hi`U`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`
Ugg][`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`"

:`cf`]b`Z`fa`U`h]cb`c`b`l`ck`hc`gi`Va`]h`Ugg][`ba`Yb`h]g`c`b]b`Y`j`]U`A`cc`X`Y`.`h`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`ck`!
gi`Va`]h`Ugg][`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`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]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'U'g'U'f'X'g'c'Z'V'Y'\U'j]ci f'Y'I d'Y'W'X'c'Z'Y'j Y'f'm'c'b'Y'']b'h'Y'I BGK 'W'c'a'a'i'b]m
- 'c'W'U'h'g'Y'f'j]W'g'UbX'j'b'Z'c'f'a U'h'c'b'U'V'c'i h'l BGK 'UbX'I BGK '@]V'f'U'f'm

Gca Y'cZ'U'g'Y'U'f'Y'U'g'k]''V'Y'Z'J'a]]U'f'h'e'm'c'i ž'c'h'Y'f'g'k]''V'Y'b'Y'k ''; U]b]b['U'g'c'X'i bXYfghUbx]b['cZU''h'Y'f'Y'U'h'X'U'g'd'Y'W'g'c'Z'9@-G'9'k]''\Y'd'm'c'i 'a U_Y'h'Y'a c'g'h'c'Z'm'c'i f'g'h'X]Y'g'U'hl BGK ''

[\h'c'.#\]j' V'Y'W'f'i \]X'Y'g'' \]V'f'U'f'm'i b'g'k "Y'X'i "U'i #' \]g'Y'#\]V'c'i h' \]g'Y](#)

5 WUXYa]W=Zcfa Uh]cb

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

- fYei Yg]Zcf`YI H`bg]cb/

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