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GWcc`cZH Y`5ftg`UbX`A YXJU`#`I BGK`..5ftg`UbX`GcWU`GwYbWg



7 ci fgY`Cj Yfj]Yk

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7 cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]hcb	D\cbY
A Ubc`YH`A cfU	a "a cfU4 i bgk "YXi "Ui	VmUddc]bħa Ybh	b"U"	b"U"

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D\cbY. f\$&Ł- ' ,) '(,) *

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

K YVg]h: [k k k "Ufrg"i bgk "YXi "Ui #gUa](#)

H\Y`GW`cc``cZħY`5 frg`UbX`A YX]U`k ci `X``_Y`ħc`F YgdYW`z ``m5W`bck`YX[Y`ħY`HfUX]h]cbU``7 i għcX]Ubgž

7ci fgY'8YHJ]`g

7fYX]hDc]bhr`*`

Gi a a UfmicZ`h`Y'7ci fgY

Gi V`Y`W`h`5`f`Y`U`.'?`ge[U

H\]g`W`ci fgY`YI`Ua`]bYg`h`Y`b`U`h`f`Y`c`Z`a`i`g]WUg`"fUX]hcb"z]bj`Y`g`h`[`U`h`b`[`X]g`W`ci fgY`g`z`j`U`i`Y`g`U`b`X`i`g`Y`g`c`Z`
a`i`g]W`h`U`h`Y`b`X`i`f`Y`c`f`V`X`U`b`[`Y`U`h`U`X]Z`Y`f`Y`b`h`f`U`h`Y`U`b`X`i`b`X]Z`Y`f`Y`b`h`k`U`m`g`Z`f`c`a`a`i`g]W`U`Z`c`f`a`g`h`Y`a`g`Y`j`Y`g`"
9I`Ua`]b]b`[`h`Y`X`Y`j`Y`c`d`a`Y`b`h`c`Z`c`b`Y`c`f`a`c`f`Y`a`i`g]W`U`W`h`f`Y`g`z`h`Y`W`ci fgY`k`j`X`Y`a`c`b`g`f`U`h`Y`c`k`[`Y`b`f`Y`g`z`
k`c`f`_`g`U`b`X`d`Y`f`Z`c`f`a`U`b`V`W`g`Y`a`V`c`X`m`U`b`X`i`[`Y`b`Y`f`U`h`Y`a`Y`U`b]b`[`h`f`c`i`[`\`h`Y]f`f`Y`U`h`c`b`g`\]d`h`c`W`c`a`a`i`b]m]b`
g`d`Y`W`Z`W`h`g`h`c`f]W`U`z`g`c`W]U`z`U`b`X`d`c`]h]W]U`W`c`b`h`Y`I`h`g`"5`Z`Y`W`h`U`b`X`i`U`Y`g`h`Y`h]W`g`z`W`f`Y`U`h]j`]m`U`b`X`i`W`c`[`b]h`c`b`z`
Y`a`V`c`X]a`Y`b`h`U`b`X`i`a`Y`a`c`f`m`z`f`Y`V`W`d`h`c`b`U`b`X`i`f`U`b`g`a`]g`g]c`b`z`U`b`X`i`d`Y`f`Z`c`f`a`U`b`V`W`U`b`X`i`f]h`U`U`f`Y`g`c`a`Y`c`Z`h`Y`
d`c`g`g]V`Y`h`Y`a`Y`g`h`U`h`Y`b`h`f`h`Y`Y`I`Ua`]b`U`h`c`b`c`Z`c`k`a`i`g]W`W`c`a`a`i`b]m]f`Y`U`h`c`b`g`\]d`g`U`b`X`i`b`h`Y`f`Y`U`h`Y`X`
a`Y`U`b]b`[`g`U`f`Y`f`Y`h]j`b`Y`X`c`f`a`c`X]Z`Y`X`i`b`h`Y`W`c`b`h`Y`I`h`g`c`Z`a`c`X`Y`f`b]g`U`h`c`b`z`[`c`V`U`]g`U`h`c`b`U`b`X`i`a`][`f`U`h`c`b`"H`h`Y`
W`ci fgY`i]bj`Y`g`h`[`U`h`Y`g`\`c`k`U`b`X`i`k`\`m`z`U`g`b`Y`k`i`Z`c`f`a`g`U`f`Y`X`Y`j`Y`c`d`Y`X`z`g`c`a`Y`V`Y`W`c`a`Y`U`b`Y`b`X`i`f]b`[`Z`Y`U`h`f`Y`c`Z`U`

5ggYgga Ybh

Q-YfY'mci 'WUbc'i h]bY'UbmifY'Yj Ubh]bZcfa Uh]cb'hUhk Ug'bc]b]bWl XYX'j]b'5 A G'Vi ha Umidfcj Y'\Y'dZ'`Zcf mci f'gh XYbhg": cfYI Ua d'Yz'mci 'a][\hd]fcj]XY'XYfU]g'cb'hY'fYZfYbW]b['gm]hYa z'']b_g'hc'dfYj]ci g gh XYbhYI Ya d'Ufg'cf'hY'XYg][bUfX'k YY_]b'hY'Wci fgY'hUhmc'i 'k]'X]gW gg'hY'UggYgga YbhUh'Yb[h" a dcfU]bh'mz'h]g'gYW]cb:]g'Ub'UfYU'Zcf'mci 'hc'dfcj]XY'j]bZcfa Uh]cb'hUhXcYg'bc]h[c'h'fci [\ 'hY'Uddfcj YX [cj YfbUbW'g]hfi W'h fY"Q

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\ h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWca Yg'5ggYggYX
h!WUgg'UW]j]hYg`	&\$i	cb'[c]b[&Z
DfYgYbhU]cb`	&\$i	K YY_`*`	&Z
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GhUfhXUH`.

@Yb[h. 'b"U"

8YfU]`g.

7cbg]gh'cZei]nnYgza i 'h]d'Y'Wxc]W'ei Ygh]cbg'UbX'chYf'WUgg'UW]j]hYg"

K YY_]m]dfYdUfU]cb'k]' [YbYfU'mVY'Wca a YbhX'cb"

Hi fb]h]b'gYf]b[. 'H\]g'jg'bc]hU'Hi fb]h]b'Ugg][ba Ybh

5ggYgga Ybh&`DfYgYbhU]cb`

GhUfhXUH`.

@Yb[h. ' \$'a]bi hYg'f]dfYgYbhU]cb'UbX'%`'a]bi hYg'X]gW gg]cb

8YfU]`g.

Mci 'k]'VY'fYei]fYX'hc'i bXYfU_Y'U'fYgYUfW'hc]d]W'hc'VY'Uddfcj YX'Vmi'hY'Wci fgY'Wcb] Ybcf'UbX'XY'j] Yf'Ub]b!dfc[fYgg'gYa]bUf'cb]bY'k]h'Zc'ck' 'i d'X]gW gg]cb'hUhmc'i 'k]'X]fYW'h' H\]g'jg'U'Zcfa Uh] Y'UggYgga Ybh HUg_z'k \]W'k]'VY'gWXYXi 'YX'UZf'k YY_]Zc'i f'cf'Z] Y'UbX'jg'XYg][bYX'hc'dfYdUfY'mci 'Zcf'hY'Z]bU' dfYgYbhU]cb'hUhZcfa g'dUfhcZ'hY'Gma dcg]i a 'dcfZc'j'c'Ugg][ba Ybh

Gh XYbh'k]'fYW]j Y]a a YX]UH'gdc_Yb'ZYXVUW_Z'UbX'U'UH'fz'g\cf]hgi a a Ufnd

Hi fb]hjb'gYHjb[. H\]g'jg'bchU'Hi fb]hjb'Ugg][ba Ybh

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GHUfhXUHY .

@Yb[h . '&\$'a]b'fdFYgYbhUjcbL#%) \$\$!&Z\$\$\$'k cFX'fdUdYfL

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H\]g'UggYgga YbhUg_`WcbhU]bg'hfYY'gWUzc`XYX'Wca dcbYbhg'Ug'Zc`ck g.

%'Gma dcg]i a 'dUdYf'UVghfUWh!' '\$\$'k cFXg'f&\$i L

&"'Cb'jY'dfYgYbhUjcb!'&\$'a]bi h'gZ'd'i g%'a]bi h'ei Ygh]cbg'f(\$i L

' "'Gma dcg]i a 'k f]hYb'dUdYf! %Z) \$\$!'&Z\$\$\$'k cFXg'f(\$i L'

H\]g'jg'hY'Z]bU'UggYgga YbhUg_"

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: cfa Uhj] Y'ZYXVUW_]g'dfcj]YX'cb'jbx]]]Xi U'Wca dcbYbhg"'Gi a a Uhj] Y'ZYXVUW_]UbX'U'bi a Yf]W]'[fUXY]g'dfcj]YX'Zc'f'hY'Wca d'YhX'UggYgga Ybh'

Gi Va]gg]cb'bcHg.DUdYf'hc'VY'gi Va]hYX'k]h'hY'dU[Y'f]bW'k cFX''Yb[hLZ'F ca Ub'%'d'z'&") Wca Uf[]bgz'%) 'gdUW]b[z'V]V'c[fUd\m

Hi fb]hjb'gYHjb[. H\]g'Ugg][ba Ybh]g'gi Va]hYX'h'fci [\ 'Hi fb]hjb'UbX'ghi XYbhg'Xc'bcHgYY'Hi fb]hjb g]a]Uf]hmfYdcfrg"

F Ygci fWg

DfYgW]VYX F Ygci fWg

;`fWUgfgd^? ge[U J c`"*"dd"(% %d%) "`&\$+\$"fWdmiUj U]UV`Y`cb`A ccX`Y`g]h`L"fgUa d`Yg`Uj U]UV`Y`cb

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≠mci`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` \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`
\`ci`fg`Uf`Y`,`.\$\$Ua`-`-%\$.\$\$da`i`cb`k`YY`_XUmg`U`bX`-`.\$\$Ua`-`-`).\$\$da`i`cb`k`YY`_YbXg`f`l`*)`XUmg`U`m`Y`Uf`l`"≠mci`
Uf`Y`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`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`L`h`c`
]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`"≠mci`Ya`Uj`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`
Ui`h`ca`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` \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`-`-`]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`Y`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` \c`k`hc`gi`Va`]h`Ugg][`ba`Yb`h`g`c`b`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`XY`b`h`i`bgk`"YXi`"Ui`#`c`k`!
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[`hY`k cfXg`cf`]XYUg`cZc`hYfg`UbX`dfYgYbh]b[`hYa `Ug`mci f`ck b" `#WUb`hU`Y`a Ubm
Zcfa gZ`Zca `XY`]VYfUHY`VX`YU]b[`hc`UWV]XYbhU`m`Wc`dm]b[`Zca `U`gci fW`k]h`ci hUW`bck `YX[Ya Ybh`

I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUHY[cf]Yg.

7 cdm]b[.`i g]b[`hY`gUa Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hY`hcf`]XYU`k]h`ci hUW`bck `YX[]b[`hY

- 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'bx'Uf'X'g'c'Z'V'Y'\Uj]ci f'Y'I d'Y'W'X'c'Z'Y'j Y'f'm'c'b'Y'']b'U'Y'I BGK 'W'c'a'a'i'b]m
- 'c'W'U'h'g'Y'f'j]W'g'U'bx'j'b'Z'c'f'a U'h'c'b'U'V'c'i h'l BGK 'U'bx'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'U'c'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''U'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'U'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](#)

