



ARTS3991

5 frg'UbX'GcWU'GWYbWg'7 UdghcbY

GYa Yghf'CbY'##'&\$%

7 ci fgY`Cj Yfj]Yk

`GHUZZ`7 cbhUWh`8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]`UV]`]m	@cWU]cb	D\cbY
DYHf`G`YnU_	d"g`YnU_4 i bkg "YXi "Ui	6mUddc]bha Ybh	F cca ' ' %) ž A cfj Yb`6fck b	- ' ,) ! & (&&

GW\cc``7 cbhUWh`bZcfa Uh]cb

GW\cc``cZ<i a Ub]h]Yg`UbX`@Jb[i U[Yg

@cWU]cb. `GW\cc``C Z]WžA cfj Yb`6fck b`6i]X]b[ž`@Yj Y``&ž&),

C dYb]b[`<ci fg.`A cbXUm! : f]XUmž`- Ua `!(.) da

D\cbY. `ž`*%&`- ' ,) `)%*, %

: U! . ž`*%&`- ' ,) ; , +\$)

9a U]: [\U`4 i bkg "YXi "Ui](#)

5 hYbXUbW`F Yei]fYa Ybhg

5`gh XYbh]g`YI dYW`X`hc`U`hYbX`U``WUgg`W`b`hUWh`lci fg`Zcf`U`ZUW`!hc`!ZUW`fl & :`cf`V`YbXYX`W`ci fgY`UbX`W`ca d`YH`U``UW]j]h]Yg`Zcf`U`V`YbXYX`cf`Z`mcb`]bY`W`ci fgY"

5`gh XYbhk \c`Uff]j Yg`a cfY`h`Ub`%)`a]bi hYg`U`h`a UmVY`dYbU`]gYX`Zcf`bcb!U`hYbXUbW``žgi W`U`dYbU`hm`]g`ja dcgYXž`hY`gh XYbhia i ghVY`]bZcfa YX`j YfVU`m`Uh`hY`YbX`cZUWgg`UbX`UXj]gYX`]b`k`f]h]b[`k`]h]b`&(\`ci fg"

žU`gh XYbhYI dYf]YbW`g`]`bYggž`a]gUXj Ybh fy`cf`ch`Yf`cW`ffYbW`h`Uha U`Yg`UVgYbW`Zca `U`WUgg#UW]j]hmi bUj c]XUV`Yž`cf`YI dYW`g`hc`VY`UVgYbhZca `U`Zcf`h`W`ca]b[`WUgg#UW]j]mž`h`Ymg`lci `X`gYY`_`dYfa]gg]cb`Zca `hY`7`ci fgY`5i`h`cf]mž`UbX`k`YfY`Udd`]WUV`Yž`hY]f`fYei Yghg`lci `X`VY`UW`ca dUb]YX`VmUb`cf][`]bU`cf`W`f]h]YX`W`dmcZU`a YX]W`W`f]h]WU`h`cf`ch`Yf`Zca `cZUddfcdf]U`h`Yj]XYbW"

5`7`ci fgY`5i`h`cf]hma UmYI W`gY`U`gh XYbhZca `WUggYg`cf`UW]j]h]Yg`Zcf`i`d`hc`cbY`a`cbh`<`ck`Yj`Yfž`h`Ym`a`UmUgg][`b`UXX]h]cbU`UbX`#`f`U`h`fb`Uh]`Y`hUg`_`hc`Ybgi`fy`W`ca`d`]UbW``5`7`ci fgY`5i`h`cf]mW`bg]XYf]b[`hY`[`f`Ub]h]b[`cZUVgYbW`a`i`ghVY`g`Uh]gZ]YX`U`gh XYbhk]``gh``VY`UV`Y`hc`a`YYh`h`Y`W`ci fgY`g`Y`Ufb]b[`ci`h`W`a`Yg`UbX`#`f`j`ci`a`Y`cZ`Y`Ufb]b[``5`gh XYbhgYY_]b[`Uddfcj`U`hc`VY`UVgYbhZcf`a`cfY`h`Ub`cbY`a`cbh`a`i`ghUdd`m`]b`k`f]h]b[`hc`h`Y`8Y`Ub`UbX`dfcj`XY`U``cf][`]bU`cf`W`f]h]YX`gi`ddc`f]h]b[`XcW`a`Yb`h]h]cb"

:`cf`a`cfY`]bZcfa Uh]cb`UVci`h`hY`U`hYbXUbW`dfch`W`g`]b`h`Y`:`UW`h`mcZ5`f]g`UbX`GcV]U`GW]YbW`g. [\h\]dg.##k`k`"Uf\]g`i`bkg`"YXi`"Ui`#W`ffYb\]h\]g`XYbhg#UW\]XYa`_W\]bZcfa`Uh\]cb`#f`ch`W`gl`\[`i`\]XY`\]bYg#`](#)

5 WUXYa]W`bZcfa Uh]cb`

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5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
F YgYUfW '9ggUm	(\$i	& #) #&\$% '\$(. \$\$'DA	%ž&
A]X!hYfa 'hU_Y!\ca Y Ugg][ba Ybh	&\$i	\$- #) #&\$% '\$(. \$\$'DA	(
GYa]bUf'dfYgYbhU]cb'k f]hY! i d'	&\$i	& #) #&\$% '\$(. \$\$'DA	(
F YZYW]j Y'Ugg][ba Ybh	&\$i	& #) #&\$% '\$(. \$\$'DA	&ž

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5ggYgga Ybh% F YgYUfW '9ggUm

GhUfhXUH. 'Bch5dd`]WV`Y

@Yb[h. 'ž \$ \$ 'k cfXg

8YHU]`g. 'H\]g`]g'hY`Z]bU`UggYgga YbhZ'f'UH'YbXUbW'`di fdcgYg"&ž) \$ \$ 'k cfXg" 'Gh XYbhg'a i ghdfcXi W'U W]h]Wž'UbU'm]W]žgW'c'Uf'mUWXYa]MYggUm': YYXVUW_]]U]bX]j]Xi U`'Wta a Ybhg"

Hi fb]hb'gYhb[. 'H\]g`Ugg][ba Ybh]g`gi Va]hYX'h'fci [\ 'Hi fb]hb'UbX'gh XYbhg'WUb'gYY'Hi fb]hb'g)a]Uf]m fYdcfng"

5ggYgga Ybh& . 'A]X!hYfa 'hU_Y!\ca Y'Ugg][ba Ybh

GhUfhXUH. '&- #) #&\$% '\$. \$\$'5A

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8YHU]`g. '%) \$ \$ 'k cfXg" 'Gh XYbhg'a i ghW]h]W`mUbU'mgY'Ugg][bYX'Ufh]WYg": YYXVUW_]]U]bX]j]Xi U`'Wta a Ybhg"

Hi fb]hb'gYhb[. 'H\]g`Ugg][ba Ybh]g`gi Va]hYX'h'fci [\ 'Hi fb]hb'UbX'gh XYbhg'WUb'gYY'Hi fb]hb'g)a]Uf]m fYdcfng"

5ggYgga Ybh' . 'GYa]bUf'dfYgYbhU]cb'k f]hY!i d

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

8YHU]`g. '+\$ \$ 'k cfXg" '7`Ugg'dfYgYbhU]cbg'k]`VY'Ugg][bYX'h'fci [\ci h'hY'gYa YghYF": c`ck]b['hY dfYgYbhU]cbž'gh XYbhg'gi Va]hU'W]h]W`gi a a UfmUbX'fYZYW]cb'cb'hY'Ugg][bYX'UbX'WUgg'X]gW'gg]cb": YYXVUW_]]U]bX]j]Xi U`'Wta a Ybhg"

Hi fb]hb'gYhb[. H\]g'Ugg][ba Ybh]g'gi Va]hX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'WUb'gYY'Hi fb]hb'g)a]'Uf]hm fYdcfng"

5ggYgga Ybh(. 'FYZYW]j Y'Ugg][ba Ybh

GHUfhXUHY. 'Bch5dd']WVY

8YHU]`g. ; \$\$'k cfXg" 'Gh XYbhg'a i ghUfhW 'UH' h'Y'k Umg:]b'k \]W' h'Y]f'X]gWd']bUfmiU]b]b['Wci 'X'VY'i gYX]b'Z fh'Yf'ghi Xmicf'h'Y'k cfX'cZk cf_"

Hi fb]hb'gYhb[. H\]g'Ugg][ba Ybh]g'gi Va]hX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'WUb'gYY'Hi fb]hb'g)a]'Uf]hm fYdcfng"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gh XYbhtg`UfY`YI dYWfX`hc`di h`h`Y`f`b`Ua`Yg`UbX`gh`XYbhibi`a`VYfg`cb`Yj`YfmdU[`Y`c`Z`h`Y]f`Ugg][`ba`Ybhtg`"

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z`mci`YbWci`bHf`U`dfcV`Ya`k`Yb`U`H`Ya`d]b[`hc`gi`Va`]h`mci`f`Ugg][`ba`Ybht`fci`[`h`Hi`fb]hb`z`d`Y`UgY`
H`Y`d`l`cb`Y`9I`H`f`b`U`G`i`d`d`c`f`h`c`b`-`'`,`)`"``"``%`c`f`Ya`U]`h`Ya`c`b`YI`H`f`b`U`H`f`gi`d`d`c`f`h`i`b`g`k`"Y`X`i`"U`i`"Gi`d`d`c`f`h`
`l`ci`f`g`U`f`Y`,`.\$`\$`Ua`-`-%`\$`.\$`\$`da`c`b`k`Y`Y`_`X`U`m`g`_`U`b`X`-`-`.\$`\$`Ua`-`-`-`.\$`\$`da`c`b`k`Y`Y`_`Y`b`X`g`f`l`*)`X`U`m`g`_`U`m`Y`U`f`l`z`mci`
U`f`Y`i`b`U`V`Y`h`c`gi`Va`]h`mci`f`Ugg][`ba`Ybht`X`i`Y`h`c`U`Z`U`i`h`k`]h`Hi`fb]hb`mci`a`U`m`U`d`d`m`z`c`f`U`b`Y`I`H`f`b`g]cb`z`Vi`h`mci`
a`i`g`h`f`Y`U]b`mci`f`h`W`Y`h`bi`a`V`Y`f`z`c`a`9I`H`f`b`U`G`i`d`d`c`f`h`f`U`c`b[`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`W`i`X`Y`U`g`Y`j`]X`Y`b`W`h`c`gi`d`d`c`f`h`mci`f`Y`I`H`f`b`g]cb`U`d`d`]W`h`c`b`"z`mci`Ya`U]`9I`H`f`b`U`G`i`d`d`c`f`h`mci`k`]`
U`i`h`c`a`U`h`W`m`f`Y`W`]j`Y`U`h`W`Y`h`bi`a`V`Y`f`z`Vi`h`]Z`mci`H`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`h`c`g`d`Y`W`Z`W`m`U`g`_`z`c`f`c`b`Y`"
Hi`fb]hb`U`g`c`d`f`c`j`X`Y`g`i`d`X`U`H`g`c`b`h`Y`f`g`m`g`h`Ya`g`h`U`h`g`c`b`H`k`]h`f`"

;`Y`b`Y`f`U`m`z`U`g`g`Y`g`g`a`Y`b`h`U`g`_`g`a`i`g`h`V`Y`g`i`Va`]h`Y`X`Y`Y`W`f`c`b]W`m`j`]U`Y`]h`Y`f`Hi`fb]hb`c`f`U`A`c`c`X`Y`
U`g`g][`ba`Y`b`h`-`b`]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`X`c`b`mci`f`W`ci`f`g`Y`g`A`c`c`X`Y`g`]h`k`]h`
U`h`f`b`U`h`j`Y`g`i`Va`]gg]cb`X`Y`U]g`"

@UH`5ggYgga YbhDYbU`h]Yg

5`b`U`g`g`Y`g`g`Y`X`h`U`g`_`]g`X`Y`Ya`Y`X`U`H`]Z`]h`]g`]g`i`Va`]h`Y`X`U`Z`Y`f`h`Y`g`d`Y`W`Z`Y`X`h`a`Y`U`b`X`X`U`H`U`g`g`Y`h`ci`h`]b`h`Y`
W`ci`f`g`Y`@`Y`U`f`b]b[`A`U`b`U[`Ya`Y`b`h`G`m`g`h`Ya`f`@`A`G`l`"

H`Y`U`H`d`Y`b`U`h`m]g`h`Y`c`g`g`c`Z)`i`c`Z`h`Y`h`c`U`d`c`g`g]V`Y`a`U`f`_`g`z`c`f`h`Y`h`U`g`_`z`c`f`Y`U`W`X`U`m`c`f`d`U`f`h`h`Y`f`Y`c`Z`h`Y`
k`c`f`_`]g`U`H`Y`@`UH`b`Y`g`g`k`]`]b`W`i`X`Y`k`Y`Y`_`Y`b`X`g`U`b`X`d`i`V`]W`l`c`]X`U`m`g`"H`l`g`X`c`Y`g`b`c`h`U`d`d`m`h`c`U`h`U`g`_`h`U`h]g`
U`g`g`Y`g`g`Y`X`Vi`h`b`c`a`U`f`_`]g`U`k`U`f`X`Y`X`"

K`c`f`_`g`i`Va`]h`Y`X`z`i`f`h`Y`b`f`b`X`U`m`g`_`U`Z`Y`f`h`Y`X`i`Y`X`U`H`k`]`V`Y`a`U`f`_`Y`X`U`b`X`Z`Y`X`V`U`W`_`d`f`c`j`]X`Y`X`Vi`h`b`c`a`U`f`_`
k`]`V`Y`f`Y`W`c`f`X`Y`X`"z`h`Y`k`c`f`_`k`c`i`X`U`j`Y`f`Y`W`]j`Y`X`U`d`U`g`g`a`U`f`_`Vi`h`z`c`f`h`Y`U`H`b`Y`g`g`U`b`X`h`Y`k`c`f`_`]g`U`
W`c`a`d`i`g`c`f`m`W`c`i`f`g`Y`W`c`a`d`c`b`Y`b`h`z`U`g`h`X`Y`b`h`k`]`V`Y`X`Y`Ya`Y`X`h`c`U`j`Y`a`Y`h`h`U`h`f`Y`e`i`]f`Y`a`Y`b`h`H`l`g`X`c`Y`g`b`c`h`
U`d`d`m`h`c`U`h`U`g`_`h`U`h]g`U`g`g`Y`g`g`Y`X`Vi`h`b`c`a`U`f`_`]g`U`k`U`f`X`Y`X`"

K`c`f`_`g`i`Va`]h`Y`X`h`k`Y`b`h`m`c`b`Y`f`b`X`U`m`g`_`U`Z`Y`f`h`Y`X`i`Y`X`U`H`k`]`b`c`h`V`Y`U`W`W`d`h`X`z`c`f`a`U`f`_`]b[`c`f`Z`Y`X`V`U`W`_`
U`b`X`k`]`f`Y`W`]j`Y`b`c`a`U`f`_`c`f[`f`U`X`Y`"z`h`Y`U`g`g`Y`g`g`a`Y`b`h`U`g`_`]g`U`W`c`a`d`i`g`c`f`m`W`c`a`d`c`b`Y`b`h`c`Z`h`Y`W`c`i`f`g`Y`U`
g`h`X`Y`b`h`k`]`U`i`h`c`a`U`h`W`m`i`Z]`h`Y`W`c`i`f`g`Y`"

GdYW]U`7cbg]XYfU]cb`5dd`]W]h]cbg

Mci`W`b`U`d`d`m`z`c`f`g`d`Y`W]U`W`c`b`g]X`Y`f`U]c`b`k`Y`b`j`b`Y`g`g`c`f`c`h`Y`f`W]f`W`a`g`h`U`b`W`g`]b`h`f`Z`Y`f`k`]h`mci`f`
U`g`g`Y`g`g`a`Y`b`h`d`Y`f`z`c`f`a`U`b`W`"

G]W`b`Y`g`g`z`a`]g`U`X`j`Y`b`h`f`Y`c`f`c`h`Y`f`W]f`W`a`g`h`U`b`W`g`V`Y`n`c`b`X`mci`f`W`c`b`l`f`c`a`U`m`

f`D`f`Y`j`Y`b`h`mci`z`c`a`W`c`a`d`Y`h]b[`U`W`c`i`f`g`Y`f`Y`e`i`]f`Y`a`Y`b`h`z`

f`?`Y`Y`d`mci`z`c`a`U`h`Y`b`X]b[`U`b`U`g`g`Y`g`g`U`V`Y`U`W]j`]m`z`

f`G`h`c`d`mci`gi`Va`]h]b[`U`g`g`Y`g`g`U`V`Y`k`c`f`_`z`c`f`U`W`c`i`f`g`Y`z`

f`G][b]Z]W]b]h]m]U]Z]Y]W]h]m]i] f]d]Y]f]Z]c]f]a] U]b]W]W]]b]U]g]g]Y]g]g]U]V]`Y]`k] c]f]_]Z]V]Y]`]h]U]`Z]c]f]a] U]`Y]b]X]!]c]Z]g]Y]a] Y]g]h]f]`Y]I] U]a]]b]U]h]c]b]Z]U] W]U]g]g]`h]Y]g]h]Z]U]`U]V]c]f]U]h]c]f]m]h]Y]g]h]Z]U]`g]Y]a]]b]U]f]d]f]Y]g]Y]b]h]U]h]c]b]`c]f]U]b]m]c]h]Y]f]Z]c]f]a] `c]Z]U]g]g]Y]g]g]a] Y]b]h]

: c]f]Z] f]h]Y]f]X]Y]h]U]`g]`]b]`f]Y]`U]h]c]b]`h]c]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`]b]W]i] X]b] [``K] \]Y]b]`h]c]`5]d]d]`m]Z]``<]c]k] `h]c]`5]d]d]`m]`U]b]X] `G]i] d]d]c]f]h]b] [`8]c]W] a] Y]b]h]U]h]c]b]``d]`Y]U]g]Y]`f]Y]Z]f]`h]c]`h]Y]`G]d]Y]W]U]`7]c]b]g]X]Y]f]U]h]c]b]`k] Y]V]g]h]Y]`.

[\\]h\]c\]g.\]#\]g\]h\] X\]Y\]b\]h\]i\] b\]g\]k\] "Y\]X\]i\] "U\]i\] #\]g\]d\]Y\]W\]U\]`!\]W\]c\]b\]g\]X\]Y\]f\]U\]h\]c\]b\]](#)

5 WUXYa]W<c bYghmUbX 'D`U[]Uf]ga

D`U[]Uf]ga]g`i g]b['hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b['hYa`Ug`mci f`ck b" #WUb`hU`Y`a Ubm
Zcfa gZ`Zca`XY`]VYfUHy`WXYU]b['hc`UWV]XYbU`mW`dm]b[`Zca`U`gci fW`k]hCi hUW_bck`YX[Ya`Ybh`

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

7cdm]b[.`i g]b['hY`gUa`Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hY`hcf`]XYU`k]hCi hUW_bck`YX[]b['hY`
gci fW`cf`i g]b[`ei chU]cb`a Uf_g`"H\]g`U`gc`Udd`]Yg`hc`]a U[YgZ`UfhUbX`XYg][b`dfc`YWgZ`Ug`k Y`Ug`
dfYgYbhU]cbg`k \YfY`gca`YcbY`dfYgYbh]b[`Ubc`hY`f`g`]XYUg`cf`k cfXg`k]hCi hWYX]h`

#Uddfcdf]UHy`dUfUd`fUg]b[.`WU]b[]b[`U`Zy`k cfXg`UbX`d`fUgYg`k \]Y`a`cghm`fYU]b]b['hY`cf][]bU`
g]h`i`W`fY`UbX`]bZcfa`U]cb`k]hCi hUW_bck`YX[Ya`Ybh`"H\]g`U`gc`Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca`YcbY`
dUfUd`fUgYg`Ubc`hY`f`g`]XYUg`cf`k cfXg`k]hCi hWYX]h` #U`gc`Udd`]Yg`hc`d`]YW]b[`hc`[Y`hY`f`ei`chYg`UbX`
dUfUd`fUgYg`]bhc`U`bYk`k \c`Yz`k]hCi hfY`ZYfYbW]b[`UbX`U`gh`XYbh`g`ck`b`UbU`mg]g`hc`Vf]b['hY`a`U`hY`f]U`
hc`[Y`hY`f`"

7c`i`g]cb.`k`cf_]b[`k`]h`chYfg`Vi`hdUgg]b[`cZ`hY`k`cf_]Ug`U`dYfgcb`g`]bX]j]Xi`U`k`cf_]7c`i`g]cb`U`gc`
]bW`i`XYg`dfcj`]X]b[`mci`f`k`cf_]hc`Ubc`hY`f`gh`XYbhVY`Zc`fY`hY`Xi`Y`XU`hY`Zc`f`Zc`f`hY`di`fdcgY`cZ`hY`a`
d`U[]Uf]g]b[`Uh`Ubmi`h]a`Yz`dUm]b[`Ubc`hY`f`dYfgcb`hc`dYfZc`fa`Ub`UWUXYa`]W]Ug`_z`ghYU`]b[`cf`UW`ei`]f]b[
Ubc`hY`f`dYfgcb`g`UWUXYa`]Wk`cf_]UbX`W`dm]b[`]z`c`ZYf]b[`hc`W`ca`d`Y`hY`Ubc`hY`f`dYfgcb`g`k`cf_]cf`gYY_]b[
dUma`YbhZc`f`W`ca`d`Y]b[`UWUXYa`]Wk`cf_]`

#Uddfcdf]UHy`W]U]cb.`7`]h]b[`gci`fW`g`k \]W\`Uj`Y`bchVYYb`fYUXz`k]hCi hUW_bck`YX[]b['hY`"gYW`bXUfm`
gci`fW`Zca`k \]W`_bck`YX[Y`cZ`hY`a` \Ug`VYYb`cV]U]bYX`"

8i`d`]WU]cb`f`fY`Z`d`U[]Uf]ga`"E`gi`Va`]h]b[`mci`f`ck`b`k`cf_]b`k`c`Y`cf`]b`dUf`z`k \YfY`]h`Ug`dfYj`]ci`g`m`
VYYb`dfYdUfYX`cf`gi`Va`]hY`X`Zc`f`Ubc`hY`f`UggY`gga`Ybhcf`W`ei`fgY`U`hI`BGK`cf`Ubc`hY`f`i`b]j`Yfg]m`"

7c`ffY`W`fY`ZYfYbW]b[`dfUW]W]g.

- VYhYf'a UbU[Y'mci f'hja Y

7 ci fgY`GW`YXi `Y

[J Jyk`WUgg`hja`YhUV`Y](#)

H]a`YhUV`Y`

8UH`	HmdY`	7cbhYbh`
K`YY_`%`&`*`:`YVfi`Ufm!`(` A`UfW`	GYa`JbUf`	%`"``C`f[``]bg`cZK`YghYfb`gWYbW`/`d\`]cgcd\mž DfYgcWUh]Wg.`A`]Yg]Ubg ?`"F`"``DcddYfž`6UW_`hc`h`Y`DfYgcWUh]Wg` .
K`YY_`&`.`)`A`UfW`!`%`%` A`UfW`	GYa`JbUf`	&`"``H\Y`hf]U`cZGcWUhg`"8`JggYbhz`W]h]WU`h`]b_]b[D`Uhc.`H\Y`5dc`c[`mcZGcWUhg`
K`YY_`"`.`%`&`A`UfW`!`%` A`UfW`	GYa`JbUf`	'`"``Di`fcgYg`cZYXi`WU]cbž`di`fY`UbX`Udd`]YX`ghi`Xm ="`GW`YZYf.`F`YZYW]cbg`cb`9Xi`WU]cbU`F`Y`Yj`UbW`" .
K`YY_`(`.`%`A`UfW`!`&`) A`UfW`	GYa`JbUf`	(`"``8Ya`cWUWmUbX`9Xi`WU]cbž`Wc`a`i`b]mcZ `YUfb]b[>c\b`8Yk`Ym`8Ya`cWUWm/`9Xi`WU]cbž`7`\`"+
K`YY_`)`&`*`A`UfW`!`%` 5df]`	GYa`JbUf`)`"``H\Y`:`fY`DfYggž`ja`dcftUbW`cZX]ggYbh >"G`"A`]`.`C`b`@]VYfmcZH\ci`[`\h/`8]gW`gg]cb"
6fYU_`&`5df]`!`,`5df]`		
K`YY_`*`.`-`5df]`!`%`5df]`	GYa`JbUf`	*`"``GWYbW`g/`i`a`Ub]h]Ygž`gdYWU`]nU]cb" 7`"D`"Gbck.`H\Y`Hk`c`7`i`h`fYg`
K`YY_`+`.`%`*`5df]`!`&` 5df]`		

		B"7\ca g_m'H\ci [\hg'cb' bH''YWñ U'g'UbX'hY GV\cc`g
K YY_%% '%('A Um! '&\$ A Um	GYa]bUf	DcghA cXYfb]ga ž'gcWU'`Wēbgfñ Wñj]ga "'9Xi Wñhcb UbX'hY'GWYbW'K Ufg D"'G'YnU_'GcW]c`c[micZGWYbW' / '9Xi Wñhcb
K YY_%&. '&%A Um! '&+ A Um	GYa]bUf	%&"'9Xi Wñhcb'ZcF']rg'ck b'gU_Y" 7 UfX]bU'`< YbfmBYk a Ub. 'H\Y'`XYU'cZU'I b]j Yfg]mi
K YY_% . '&, 'A Um! '' >i bY	GYa]bUf	H\YfY'k]'`VY'bc'gYa]bUf'h]g'k YY_"

F Ygci fWg

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7 ci fgY`fYUX]b[g`k]`VY`Uj U]V`Y`cb`]bY`]b`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

BchiUj U]UV`Y

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

Øf]YZmci h]bY`ck`gh`XYbhZYXVUW`fVch`Zcfa U`UbX`]bZcfa U`E`cb`h`Y`W`ci fgY`k]`VY`[U`h`Y`f`Y`X`Z`ck`]h`k]`VY`UbU`mgYX`UbX`ck`]hk]`VY`U`W`X`i`dcb`hc`]a`dfcj`Y`h`Y`gh`XYbh`YUfb]b[`YI`dYf]YbW`": cf`YI`Ua`d`Y`Z`mci`a`][`h`X]gW`gg`k`h`U`k`Ug`]X`Y`bh`Z`Y`X`]b`d`U`gh`Z`Y`X`V`U`W`UbX`ck`h`]g`W`ci fgY`k`Ug`W`X`Ub[`Y`X`hc`U`X`X`f`Y`gg`h`Y`]ggi`Y`Q

Gh`XYbhZYXVUW`k]`VY`h`f`ci`[`h`Y`U`b`c`b`m`a`c`i`g`c`b`]bY`A`m`9I`d`Y`f]Y`b`W`g`m`g`h`a`"

⇒ U[Y`7`f`Y`X]h

C`d`Y`b`U`W`W`g`g`Z`c`a`A`Y`f`c`d`c`]h`U`b`A`i`g`Y`i`a`c`Z`5`f`h`Z`B`Y`k`M`c`f`_`Z`h`f`d`g`#`k`k`"a`Y`h`a`i`g`Y`i`a`"c`f`[`#`U`f`h`h`c`Y`W`]c`b`#`g`Y`U`f`V`X`#`(``*`%`\$`)

7 F ⇒ C G

7 F ⇒ C G`D`f`c`j`]X`Y`f`7`c`X`Y`.\$`\$`\$`-`,`;`