

ARTS2091

A cV]Y`7i `h fYg

GYa YghYf`Hk c`##`&\$%

7 ci fgY`Cj Yfj JYk

`GHUZZ7 cbhUWhi8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]	5j U]UV]`]m	@cWUhc b	D\cbY
A]WXY`Y`NUddUj][bU	a "nUddUj][bU4 i bgk "YXi "Ui	VmUddc]bha Ybh	K YVghYf' %%F	

`Hi hcfg`

B Ua Y	9a U]	5j U]UV]`]m	@cWUhc b	D\cbY
A Ufm5`Uj]	a "U`Uj]b]U4 i bgk "YXi "Ui			
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GWcc`7 cbhUWhi`bZcfa Uh]cb

F cca " %&ž`Yj Y`" F cVYfhk YVghYf`6i]X]b[

D\cbY. f\$&Ł`-' ;) `(,) *

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

K YVg]hY: [\hmg.#gUa "Ufmg"i bgk "YXi "Ui](#)

H\Y`GWcc`cZhY`5fmg`UbX`A YX]U`k ci`X`_]Y`hc`F YgdYWZ`m5W`bck`YX[Y`hY`HfUX]hcbU`7 i gtcX]Ubgž`hY`6YXY[U`fP`Ybg]b[hc b`WUa di gŁž; UX][U`f7]mUbX`5fhi`8 Yg][b`7 Ua di gYgŁ`UbX`hY`B [i bbUk U`dYcd`Y`fBi ghU]Ub`8 YZ`bW` : cfW`5WUXYa m]b`7 UbVYffUŁ`cZhY`UbXg`k \YfY`YUW`WUa di g`cZI`BGK`]g`cWUHYX"

5 hYbXUbW`F Yei]fYa Ybhg

5`ghi XYbh]g`YI dYW`X`hc`UhhYbX`U`WUgg`W`b hUWh`ci fg`Zcf`U`ZJW`!hc`ZJW`fi &`Ł`cf`V`YbXYX`W`i fgY`UbX`W`a d`Y`h`U`U`W`h]]hYg`Zcf`U`V`YbXYX`cf`Z`mcb`]bY`W`i fgY"

5`ghi XYbhk`c`Uffj`Yg`a`cfY`h`Ub`%)`a`]bi`h`g`U`h`a`UmVY`d`Yb`U`]gYX`Zcf`bcb`!UhhYbXUbW`"Zgi`W`U`d`Yb`U`m`]g`]a`d`cgYXž`hY`gh`XYbhia`i`ghVY`]b`Zcfa`YX`j`YfVU`m`Uh`hY`YbX`c`ZWUgg`UbX`U`Xj`]gYX`]b`k`f]h]b[`k`]h]b`&`\ci`fg"

ZU`gh`XYbhYI`dYf]YbW`g`]b`Yggž`a`]gUXj`Ybh`fY`cf`ch`Yf`cW`ffYbW`h`Uha`U`Yg`UVgYbW`Zca`U`WUgg`#UW]j`]mi`bUj`c]XUV`Yž`cf`YI`dYW`g`hc`VY`UVgYbhZca`U`Zcf`h`W`a`]b[`WUgg`#UW]j`]mž`h`Ymg`l`ci`X`gYY`_`dYfa`]gg]cb`Zca`h`Y`7`ci`fgY`5i`h`cf]mž`UbX`k`YfY`Udd`]WU`Yž`hY]f`fYei`Yghg`l`ci`X`VY`U`W`W`a`d`Ub]YX`Vm`Ub`cf][`]bU`cf`W`fh]Z`YX`W`dmcZU`a`YX]W`W`fh]Z`W`h`cf`ch`Yf`Zcfa`c`ZUdd`f`d`f]U`h`Yj`]X`YbW"

5`7`ci`fgY`5i`h`cf]h`ma`UmYI`W`gY`U`gh`XYbhZca`WUggYg`cf`UW]j`]hYg`Zcf`i`d`hc`cbY`a`cbh`"<ck`Yj`Yfž`h`Ym`a`UmUgg][`b`UXX]h]cbU`UbX`#f`U`h`fb`U]h`Y`hUg`_`g`hc`Ybgi`fY`W`a`d`]UbW`"5`7`ci`fgY`5i`h`cf]m`W`bg]XYf]b[`h`Y`[`f`Ub]b[`c`ZUVgYbW`a`i`ghVY`g`U]h]Z`YX`U`gh`XYbhk`]`gh`VY`UV`Y`hc`a`YYh`h`Y`W`i`fgY`g`Y`Ufb]b[`ci`h`W`a`Yg`UbX`#f`j`ci`a`Y`c`Z`Y`Ufb]b[`"5`gh`XYbhgY`Y_]b[`Udd`f`c`j`U`hc`VY`UVgYbhZca`cfY`h`Ub`cbY`a`cbh`a`i`ghUdd`m`]b`k`f]h]b[`hc`h`Y`8`Y`Ub`UbX`d`f`c`j`]X`Y`U`c`f][`]bU`cf`W`fh]Z`YX`gi`dd`f`h]b[`XcW`a`Yb`h`U]h]cb"

GWYbWg: \hdg.## k k "Ufng"i bkg "YXi "Ui #W ffYbhghi XYbhg#UWUXYa JW]bZcfa Uhcb#dfcfcWc`gl[i]XY]bYg#

5 UWXYa JW]bZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`hc. fYei Yghg`Zcf`YI hYbg]cb/fYj]Yk `cZa Uf_g/cVW dUhcbU`YU`h
UbX`gUZym/YI Ua]bUhcb`dfcW`Xi fYg/gdYW]U`Wc]bg]XYfUhcb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
ghi XYbhYei]mUbX`X]gUV`]m`UbX`ch`Yf`YggYbhU`UWXYa JW]bZcfa Uhcbz
gYY: \hdg.## k k "Ufng"i bkg "YXi "Ui #W ffYbhghi XYbhg#UWUXYa JW]bZcfa Uhcb#dfcfcWc`gl[i]XY]bYg#

7ci fgY'8YHJ]`g

7fYX]h'Dc]bHg '*`

Gi a a UfmcZ\Y'7ci fgY

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5ggYgga YbhHUg_g

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
F YgYUfW 'Dfc YW	(\$i	\$) #/\$#&\$% '\$) .\$\$'DA	%z&Z(
G\c fhYI Ua	&) i	K YY_ '%&'hi hcf]U'g	%
DfYgYbhU]cb 'UbX'8]gW gg]cb	') i	-b'hi hcf]U'g	%z&Z

5ggYgga Ybh8YHU]`g

5ggYgga Ybh% 'F YgYUfW 'Dfc YW

GhUfhXUH.

8YHU]`g. '% \$\$!&\$\$ \$'k cfXg"Gh XYbhg'k]`fYW]j Y'k f]hYb'UbX'U'bi a Yf]WU` [fUXY"

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 fYdcfg"

5ggYgga Ybh&. 'G\c fhYI Ua

GhUfhXUH.

8YHU]`g. '%\ci f'a i 'hd'Y'Wc]W""H\]g'g'hY'Z]bU'UggYgga YbhHUg_"Gh XYbhg'k]`fYW]j Y'U'bi a Yf]WU` [fUXY"

5ggYgga Ybh' . 'DfYgYbhU]cb 'UbX'8]gW gg]cb

GhUfhXUH.

8YHU]`g. '&\$'a]bi h'hi hcf]U'dfYgYbhU]cb 'UbX'Z]W]j]h]cb": YYXVUW'cb'hY'dfYgYbhU]cb 'UbX'X]gW gg]cb gYgg]cb'k]`VY'dfcj]YX'h' h'Y'gh XYbhUg'k f]hYb'Wta a Ybhg'UbX'U'a Uf_'Zc`ck]b['hY]f'dfYgYbhU]cb"

Gi Va]gg]cb'cZ5ggYgga YbhHUg_g

Gh XYbHg'UfY'YI dYW'X'hc'di h'Y]f'bUa Yg'UbX'gh XYbhbi a VYfg'cb'Yj YfmdU[Y'cZ'Y]f'Ugg][ba Ybhg"

Hi fb]hb'Gi Va]gg]cb

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'U'HYa dh]b['hc'gi Va]hrci f'Ugg][ba Ybh'fci [\ 'Hi fb]hb'z'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfh'cb-' ,) ' ' ' %cf'Ya U]'h'Ya 'cb'[YI HYfbU'HY'f'gi ddcfh' i bgk "YXi "Ui "](#)"Gi ddcfh
\ci fg'UfY' , .\$\$Ua '-'%. \$\$da 'cb'k YY_XUmg'UbX'-. \$\$Ua '-) . \$\$da 'cb'k YY_YbXg'f'*) 'XUmg'U'm'Uf'Z" Zmci
UfY'i bUV'Y'hc'gi Va]hrci f'Ugg][ba YbhXi Y'hc'U'Zi 'hk]h'Hi fb]hb'rci 'a UmiUdd'm'Z'f'Ub'YI HYbg]cb'z'Vi hrci
a i gh'f'Y]b'rci f'h]W'Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfh'f'U'cb['k]h'Ubmc'h'Y'f'f'Y'j Ubh'X'c'W a Ybh'g'k'hc
]b'Wi XY'Ug'Yj]XYb'W'hc'gi ddcfh'rci f'YI HYbg]cb'Udd'j'W]h'cb" Zmci 'Ya U]'9I HYfbU'Gi ddcfh'rci 'k]`
Ui 'ca U]W'W'm'f'Y'W'j' Y'U'h]W'Yhbi a VYf'z'Vi h]Zmci 'HY'Yd\cbY'rci 'k]`b'Y'X'hc'gd'Y'W'Z'W'm'Ug_'Z'f'cbY"
Hi fb]hb'U'gc'd'fcj]XYg'i dXU'Y'g'cb'h'Y]f'g'm'gh'Ya 'gh'U'h'g'cb'Hk]h'f'"

; YbYfU'm'z'UggYgga YbhHUg_g'a i gh'V'Y'gi Va]h'X'Y'Y'W'f'cb]W'm'j]U'Y]h'Y'f'Hi fb]hb'cf'U'A cc'X'Y
Ugg][ba Ybh'f'f']bg'h'Ub'W'g'k \Y'f'Y'h']g']g'b'chid'cgg]V'Y'z']h'k]`V'Y'g'U'Y'X'cb'rci f'W'ci fg'Y'g'A cc'X'Y'g]h'k]h'
U'h'f'U'h] Y'gi Va]gg]cb'XY'U]g"

@UH'5ggYgga YbhDYbU'h]Yg

Gh XYbHg'UfY'f'Y'g'd'cbg]V'Y'Z'f'h'Y'gi Va]gg]cb'cZ'UggYgga YbhHUg_g'V'm'h'Y'f'Yei]f'Y'X'X'U'Y'g'Ub'X'h'a Yg"
8Yd'Yb'X]b['cZ'Y'YI HY'bh'c'Z'X'Y'Um]b'h'Y'gi Va]gg]cb'cZ'Ub'UggYgga YbhHUg_'d'Ugh'h'Y'Xi Y'X'U'Y'Ub'X'h'a Yz

- K cf_gi Va]hYX`%\$`hc`%-`XUmg`UZhYf`h`Y`gh]di`U`hYX`XYUX`]bY`k`j`VY`UggYggYX`UbX`ZYXVUW`dfcj`]XYX`Vi`hU`a`Uf`_`cZnYfc`k`j`VY`fYW`fYX`" `Z`hY`k`cf`_`k`ci`X`\\Uj`Y`fYW`]j`YX`U`dUgg`a`Uf`_`Vi`hZcf`hY`U`hY`bYgg`UbX`hY`k`cf`_`]g`U`W`a`di`gcfm`W`i`fgY`W`a`dcbYbhf`i`fX`Y`fYei`]fYa`YbH`Z`U`gh`XYbhk`]`VY`XYa`YX`h`\\Uj`Y`a`Yh`h`UhfYei`]fYa`Ybh`
- K cf_gi Va]hYX`&\$`cf`a`cfY`XUmg`UZhYf`h`Y`gh]di`U`hYX`XYUX`]bY`k`j`bchVY`U`W`W`d`hYX`Zcf`UggYgga`Ybh`UbX`k`j`fYW`]j`Y`bc`ZYXVUW`Z`a`Uf`_`cf`[`fUXY`" `Z`hY`UggYgga`Ybh`Ug`_`]g`U`W`a`di`gcfm`W`a`dcbYbhc`Z`hY`W`i`fgY`U`gh`XYbhk`]`fYW`]j`Y`Ub`l`bgUhgZUW`c`fm`U`f`l`:`k`[`fUXY`Ug`U`fYgi`h`c`Z`i`bgUhgZUW`c`fmdYfZcf`a`UbVW`]b`Ub`YggYbh]U`W`a`dcbYbhc`Z`hY`W`i`fgY`"

H\]g`]bZcf`a`U`h`cb`]g`U`gc`Uj`U`]\$ %ofm %o %o %o

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" `hWUb`hU`Y`a Ubm
Zcfa gZ`Zca `XY`]VYfUHY`WXYU]b[`hc`UWV]XYbhU`mW`dm]b[`Zca `U`gci fW`k]h`ci hUW_bck`YX[Ya Ybh`

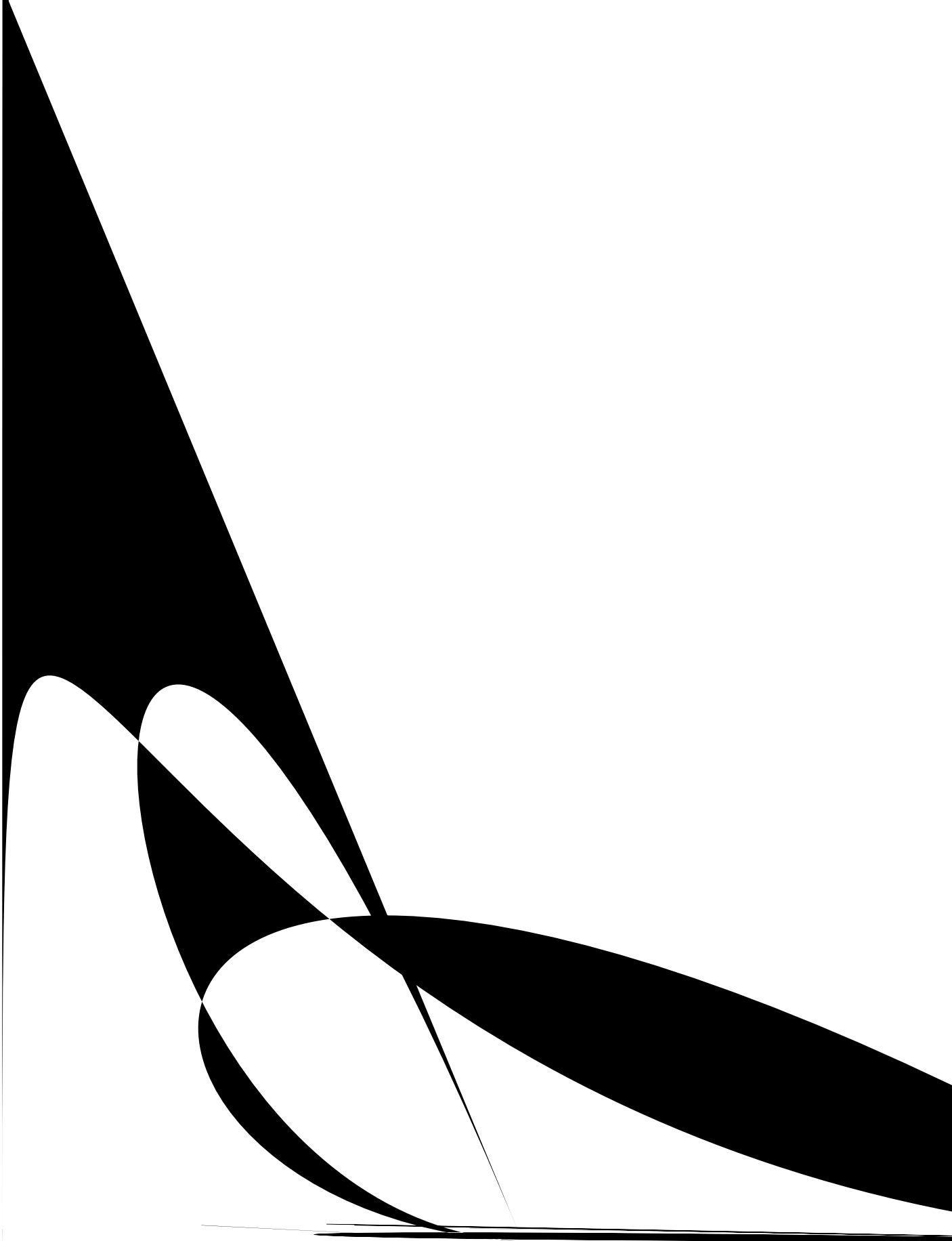
I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUHY[cf]Yg.

7 cdm]b[.`i g]b[`hY`gUa Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hYI hcf`]XYU`k]h`ci 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]g`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`Ub[]b[`U`ZYk`k cfXg`UbX`d`fUgYg`k`Y`a cghmifYU]b]b[`hY`cf][]bU`
ghfi`W`fY`UbX`#`f`dfc[fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`Z`UbX`]bZcfa`U]cb`k]h`ci hUW_bck`YX[Ya Ybh`"H\]g`U`gc
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hWYX]hUbX`hc
d]YW]b[`hc[YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k \c`Yz`k]h`ci hUddfcdf]UHY`fYZYfYbW]b["

7 c`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_"`7 c`i g]cb`U`gc

i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V']hYg'Ug'U'gh XYbhUhl BGK



K YY_%%; 'C VtVYf! '% C VtVYf	K YV	9d\Ya YfU`a cV]Y`a YX]U
	Hi hcf]U`	9I d`cf]b[`gbUdV\UhUbX`Yd\Ya YfU`a YX]U`bcfa g" DfYgYbHh]cbg:]b`Zfgh%) `a]bi hYg`cZhi hcf]U"
K YY_%%&. %) 'C VtVYf! &%C VtVYf	K YV	GcWU`Uddg`UbX`ei chH]cb`dfUW]Wg
	Hi hcf]U`	9I Ua `]b`hi hcf]U`g"D`YUgY`Vf]b[`mci f`Udhd`Ug`mci k]`Xc`hY`YI Ua `cb`A`ccX`Y"
K YY_%. `&&'C VtVYf! &, 'C VtVYf	K YV	GcWU`Uddg`UbX`hU[[]b[`dfUW]Wg
	Hi hcf]U`	5bU`mg]b[`Ug`hU[[]b[`dfUW]Wg" DfYgYbHh]cbg:]b`Zfgh%) `a]bi hYg`cZhi hcf]U"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

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NUddUj][bUZA "`f&\$%&L" 8]gWci fgY`cZHK]hYf`UbX`GcWU`A YX]Už @cbXcbž7 cbh]bi i a "

h]g`Uj U]UV`Y`Ug`Ub`Y!Vcc_`j]U`hY`"VfUfmcf`Ug`U`df]bhVcc_`]b`hY`I BGK `Vcc_g\cd"

F YWca a YbXYX`F Ygci fWg

F YWca a YbXYX`fYgci fWg`k]`VY`]bW` XYX`]b`hY`fYUX]b[``]ghcb`A ccX`Y`j]U`@Y[Ubhc"

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

: YYXVUW_`Zcf`h]g`Wci fgY`k]`VY`[Uh`YfYX`Vch`]bZcfa U`nž`]b`h hcf]U`gž`UbX`Zcfa U`nž`j]U`hY`a m9I dYf]YbWw
gi fj YmbYUf`hY`YbX`cZgYa YghYf"

h`dfYj]ci g`mYUfg`gh XYbhg`\Uj Y`Ug`_YX`Zcf`V`YbXYX`YUfb]b[`k]h`YW`h fYg`X`Y`]j YfYX`cb`]bY`"=\Uj Y
fYgdcX`YX`hc`h]g`ZYXVUW_`VmcZYf]b[`YW`h fYg`&!%` `cb`]bY`j]U`A ccX`Y`"H\Y`YW`h fY`k]`VY`XY`]j YfYX`Ug
g\cfhj]XYcgž`U`cb[`k]h`chYf`fYgci fWg`gi W`Ug`a i`h]a YX]Užei]nnYg`f`hc`a U`_Y`gi fY`mci `i bXYfg]UbX`hY
a UhYf]U`Ug`k Y`a cj Y`h]fci [\`hY`Wci fgY`ž`UbX`"]b_g`hc`YI Ua d`Yg`cZa cV]Y`a YX]U`i gY"

at 19-07-2018 // © University of New South Wales, 2018 (df.org)

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A]WY`Y`NUddUj][bUž`&\$%

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY`.\$\$\$- , ;