



MUSC1708

65 'DYfZcfa UbWY '@UVcfUhc fm5

HYfa 'CbY''##'&\$&\$

7ci fgY`Cj Yfj]Yk

`GHUZZ7cbhUWhi8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j U]UV]]m	@cWjhcb	D\cbY

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`(`

Gi a a UfmicZh\Y'7ci fgY

Gi VYWh5fYU.? ge[U B W d_ S` UW ? ge[U 7` eW_ T`W

h`h]g'dfUW]W`Wci fgYžmci `k]`XYj Y`cd`mci f]bgfhi a YbhU`cfj cW]`g_]`g`UbX` [U]b`YI dYf]YbW`]b`Udd`mj[
h`Ya` h`fci [\`dUfh]WdUHcb`]b`k`cf_g\cdgž`a` UghYfWUggYg`UbX`YbgYa` V`Yg`"H\YgY`Wca` dcbYbHg`k`]`
Wca` V]bY`h`gi` ddcfhmci` f`gdYW]U`]ghghfYb[` h`g`UbX`]bhYfYghž`UbX`h` VfcUXYb`UbX`WcbhYI`h`U`]gY`mci` f`
dYfgcbU`gh`X]Yg`"A`]YghcbYg`Zcf`h`Y`Wci` fgY`UfY`h`Wb]W]`Zci` bXU]cbg`UbX`\YU`h`mdfUW]W`ž`Ug`h`Y`VUg]g`
cZcd]h`a`U`dYfZcfa`UbW`UbX`gi`gh]b]UV`Y`a`i`g]W`a`U_]b[`"``

BchY.`H\]g`]g`U`%&`l` C`7`Wci`fgY`"Mci`k`]`Ybfc`"]b`(` `l` C`7`]b`YUW`c`Zh`fY`gi` W]W`gg]Y`Y`h`fa`g`k`]h`U`fYgi`h`
fYdcfhX`VmU`g]b[`Y`[`fUXY`Uh`h`Y`YbX`c`Zh`Y`h`]fX`(` `l` C`7` Wci`fgY`"

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

%`5dd`mi`h`Y`df]b]W]d`Yg`c`Z`YU`h`mdfc`Z]gg]cbU`dfUW]W`h`c`j`cW]`UbX`]bgfhi`a`YbhU`h`Wb]jei`Y`UbX`
dYfZcfa`UbW`
&`→Ybh]ZmfY`Uh]cbg\]dg]Ua`cb[`]ggi`Yg`]b]Zcfa`]b[`dYfZcfa`UbW`dfUW]W`
'`"5dd`midf]b]W]d`Yg`c`Z`h`Ua`k`cf`_`h`a`i`g]W]YbgYa`V`Y`

HYUW]b[` `GhfUH[`]Yg`

Gh`XYbh]fidYfgcbU`g_]`g`]b`dYfZcfa`UbW`cf`Wca`dcg]h]cb`k`]`VY`XYj`Y`cd`YX`h`fci`[`\`cbY`cb`cbY`
Wcbgi`h]h]cbg`k`]h`gdYW]U`]ghih`h`fg`Q`l` `%\`ci`f`YUW`h`f]a`YghYfQ`" `k`cf_g\cdg`Q`l`%"` \`ci`fg`YUW`
h]a`YghYfQ`]bgfhi`a`YbhU`UbX`j`cW]`gh`XYbh]k`]`[`U]b`dYfZcfa`UbW`YI`dYf]YbW]ž`k`\]Y`Wca`dcg]h]cb`gh`XYbh]`
k`]`VY`Wca`Y`Z]a`]]Uf`k`]h`]ggi`Yg`UZYW]b[`dYfZcfa`UbW`UbX`dYfZcfa`UbW`dfYdUfU]cb`"K`cf_g\cd`gYh]b[`g`
k`]`U`gc`gi` ddcfhYb[`U[`Ya`Ybhk`]h`]ggi`Yg`WcbW]fb]b[`a`i`g]W]Ubgf`YU`h`UbX`k`Y`VY]b[`ž`h`Y`XYj`Y`cda`Ybh`
cZgh]U[`Y`WcbXi`Wž`UbX`Ub`Y`Ya`YbhicZdYf`cVgYfj`Uh]cb`Zcf`gdYW]U`]ghdYfZcfa`UbW`UbX`Wca`dcg]h]cb`
[`fci`dg`"Gh`XYbh]k`]`UhYbX`a`UghYfWUggYg`YX`Vm]`]g]h]b[`YI`dYf]g`]b`U`fUb[`Y`c`Za`i`g]W]`]bgfhi`a`Ybh]ž`
j`c]W]g`UbX`ghmYgž`YbWci`fU[`]b[`gh`XYbh]h`c`XfUk`]`b`g`UbX`Wca`dUf]gcbg`k`]h`h`Y]f`dYfgcbU`gh`X]Yg`
QWccg]b[`(` `l`&\`ci`fg`Zcfa`b]b]Y`a`UghYfWUggYg`UWfcgg`h`Y`mYUfQ`"5`gh`XYbh]k`]`dUfh]W]dUH`]b`X]fYW]X`
YbgYa`V`Ygž`Wccg]b[`Zcfa`U`k`]X`fUb[`Y`c`Za`i`g]W]`ghmYg`UbX`W`h`fYg`UbX`dUfh]W]dUH]b[`]b`U`Z]bU`
dYfZcfa`UbW`]b`YUW`h]a`YghYf`Q`l`&\`ci`fg`fY`YUfgU`g]b`YUW`h]a`YghYf`Q`

5ggYgga Ybh

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5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
9bgYa V`Y`Wcbf]Vi h]cb`UbX dUfhWX_YW_]b[`	(\$i	Bch5dd`]WUVY	`
A UghYfWUgg`W]h]ei Yg`	&\$i	K YY_`%\$	&
DYfZ:fa UbVW#dfYgYbU]cbg %ž&/` ``	(\$i	K YY_g`, !%\$	%

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`9bgYa V`Y`Wcbf]Vi h]cb`UbX`dUfhWX_YW_]b[

GHUfhXUH. `Bch5dd`]WUVY

8YHU]`g. `9bgYa V`Y`dUfhWX_YW_]b[`k]`VY`i bXYfhU_Yb`]b`H%ž`H&`UbX`H' ``-bX]j]Xi U`mcf`]b`ga U``[fci dgž
gh XYbmg`k]`dYfZ:fa `k cf_g`cf`YI Wfdhg`cZk cf_gž`gh X]YX`UbX`dYfZ:fa YX`Xi f]b[`hY`hf]a YghYf``K \YfY

H\]g:k]`VY`U`%\$!a]bi h`YWh fY!fYW]U`dfYgYbHhcbz`Wta df]g]b[`Dck YfDc]bhcf`df]bhX`bchYgžj YfVU`
dfYgYbHhcb]g]h Uh]b[`h`Y`k cf`fg`dYfZcfa YX`k]h.]b`]hg`\]ghcf]WU`ž`W`h`fU`ža`i`g]WU`cf`UYgh`Yh]W
WcbhYI hžUbX`h`Y`dYfZcfa UbVW`cZ`h`Y`k cf`_]hgY`Z`

Gi Va]gg]cb`bchYg.@j Y`dfYgYbHhcb

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

%`9j Yfmh]b[`]g`7 cbbYWYX. `H\Y`Dck Yf`cZA i g]WWm8 Ub]Y`6UfYbVc]a

&``A ch]cbz`9a ch]cbz`UbX`@cj Y. `H\Y`B Uhi fy`cZ5fh]gh]WDYfZcfa UbWY`Vm[H\ca Ug`7Ufgcb`A Uf`](#)

` ``@YhYfg`hc`U`Mci b[`DcYhVmF U]bYf`F]_Y

F YWca a YbXYX`F Ygci fWg

BchUj U]UV`Y

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

Gh XYbhZYXVUW_`k]``VY`Wc``YWYX`Vch`Xi f]b[`WUgg`X]gW`gg]cbg`UbX`h`fci [\ `A m9i dYf]YbWY`gi fj Ymg`H\Y
ZYXVUW_`dfcj]XYX`Vmghi XYbfg`k]``VY`UbU`mgYX`UbX`dfUW]WU`ghYdg`k]``VY`hU`Yb`hc`]bWc`f`dcfUfY`h`Y
ZYXVUW_`]bhc`h`Y`g`f`i`W`i`fy`UbX`XY`]j YfmcZ`h`Y`Wc`i`fgY`]b`gi`VgYei`Ybh`m`Y`Ufg`"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Hi fb]hb`Gi Va]gg]cb

Ʒmci`YbWci`bhYf`U`dfcV`Ya`k`Yb`U`H`Ya`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]hb`z`d`YUgY`
H`Y`d`l`cb`Y`9I`H`f`b`U`Gi`ddcfh`cb`-`,`)``%`cf`Ya`U]`h`Ya`cb`YI`H`f`b`U`H`f`gi`ddcfh`4`i`bgk`"YXi`"Ui`"Gi`ddcfh`
`l`ci`fg`UfY`,`.\$\$Ua`-`%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f`l`*)`XUmg`U`m`Y`Uf`l`"Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybh`Xi`Y`hc`U`Z`U`h`k`]h`Hi`fb]hb`mc`i`a`Um`Udd`m`Z`f`Ub`YI`H`f`bg]cb`z`Vi`hmc`i`
a`i`gh`f`Y`h]b`mc`i`f`h]W`Y`h`bi`a`VY`f`Z`ca`9I`H`f`b`U`Gi`ddcfh`f`U`cb[`k`]h`Ub`mc`h`Y`f`f`Y`j`Ub`h`X`c`W`a`Y`b`h`g`l`hc`
]b`Wi`X`Y`U`g`Y`j`]X`Y`b`W`hc`gi`ddcfh`mc`i`f`YI`H`f`bg]cb`Udd`]W`h]cb"Ʒmci`Ya`U]`9I`H`f`b`U`Gi`ddcfh`mc`i`k`]`
Ui`hc`a`U`h]W`m`f`Y`W`]j`Y`U`h]W`Y`h`bi`a`VY`f`z`Vi`h]Z`mci`H`Y`d`l`cb`Y`mc`i`k`]`b`Y`Y`X`hc`gd`Y`W`]W`m`U`g`_`Z`f`cb`Y`
Hi`fb]hb`U`gc`d`fc`j`]X`Y`g`i`d`X`U`H`g`i`cb`h`Y`j`f`g`m`g`h`Ya`g`h`U`h`g`i`cb`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`Ugg`Y`gga`Y`bh`h`U`g`_`g`a`i`gh`V`Y`gi`Va`]h`Y`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`Y`b`h`h`b`]b`g`h`U`b`W`g`k`Y`f`Y`h`l`g`]g`b`ch`id`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`H`X`i`cb`mc`i`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`h`f`b`U`h]j`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`cf`]b`Z`c`fa`U`h]cb`cb`l`ck`hc`gi`Va`]h`Ugg][`ba`Y`b`h`g`i`cb`]b`Y`j`]U`A`cc`X`Y`.\`h`td`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`ack`!
gi`Va`]h`Ugg][`ba`Y`b`h`a`cc`X`Y`"

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" #WUbb`hU`Y'a Ubm
Zcfa gž Zca`XY`]VYfUHY`WXYU]b['hc`UW]XYbhU`mWčdm]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[`WU]Y[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[Ygž`Uf`h`UbX`XYg][`b`dfc`YWgž`Ug`k`Y`"Ug`
dfYgYbhU]cbg`k`YfY`gca`YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k`cfXg`k`]hci hWYX]h'

#Uddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[]b[`U`Zk`k`cfXg`UbX`d`fUgYg`k`Y`a`cghmifYU]b]b['hY`cf][]bU`
g]fi`W`fY`UbX`#`f`dfc[`fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`ž`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`UbchYf`g`]XYUg`cf`k`cfXg`k`]hci hWYX]h`UbX`hc`
d]Y]b[`hc[`Y`hY`f`ei`chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`Y`c`Yž`k`]hci hUddfcdf]UHY`fYZYfYbW]b["

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`UbchYf`gh`XYbhVYZc`fY`hY`Xi`Y`XU]ž`cf`Zc`f`hY`di`fdcgY`cZ`hY`a`
d`U[]Uf]g]b[`Uh`Ubm]h]a`Yž`dUm]b[`UbchYf`dYfgcb`hc`dYfZc`fa`Ub`UWUXYa`]W]Ug`ž`ghYU`]b[`cf`UWči`]f]b[
UbchYf`dYfgcb`g`UWUXYa`]Wk`cf_]UbX`Wčdm]b[`]ž`cZ]f]b[`hc`Wča`d`Y`h`UbchYf`dYfgcb`g`k`cf_]cf`gYY_]b[
dUma`YbhZc`f`Wča`d`Y]b[`UWUXYa`]Wk`cf_]`

#Uddfcdf]UHY`W]h]cb.`7`]b[`gci`fW`g`k`Y`W`Uj`Y`bchVYYb`fYUXž`k`]hci hUW_bck`YX[]b[`hY`"gYWčbXUfm`
gci`fW`Zca`k`Y`W`_bck`YX[Y`cZ`hY`a`U`g`VYYb`cV]b]bYX"

8i`d`]W]h]cb`f`f`gY`Z`d`U[]Uf]ga`"L`gi`Va`]h]b[`mci`f`ck`b`k`cf`ž`]b`k`Y`cf`]b`dUf]ž`k`YfY`]h`Ug`dfYj`]ci`g`m`
VYYb`dfYdUfYX`cf`gi`Va`]hYX`Zc`f`UbchYf`UggYgga`Ybhcf`Wč`i`fgY`Uh`I`BGK`cf`UbchYf`i`b]j`Yfg]m`

7cffYW`fYZYfYbW]b[`dfUW]W]g.

- DUfUd`fUg]b[žgi`a`a`Uf]g]b[žYggUm`k`f]h]b[`UbX`h]a`Y`a`UbU[Ya`Ybh`

5 WUXYa]WbZcfa Uhcb`

: cfYggYbh]U`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I B GK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
- ghi XYbhYei]hmUbX`X]gUV`]`]m/
- UbX`chYfYggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\hfg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbhghi XYbh\]bZcfa Uhcb`dfc\]Vc`g!\[i \]XY`\]bYg#](#)

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Gc`c`DYfZcfa UbW`A U_]b[`&\$%-

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY.`\$\$\$- ;