



MUSC2802

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7ci fgY`Cj Yfj]Yk

`GHUZZ7cbhUWh8YHJ`g`

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B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWjhcb	D\cbY
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7ci fgY'8YHJ]`g

7fYX]hDc]bhtg`*`

Gi a a UfmicZ\hY'7ci fgY

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A i g]Wgh X]c`hYUW]b[]g`hY`[UHk UmVei fgY`Zcf`hY`A i g]WDYXU[c[midUHk Um]b`hY`6UWY`cf`cZA i g]W dfc[fUa a Y`H\Y`Vei fgY`]g`ZcW`gYX`cb`]bghfi a YbHU`UbX`j`cW`hYUW]b[`UbX`YUfb]b[]b`hY`df]j`UH`gh`X]c` gYH]b["Mci`k`j`a`U`Y`Zcfa`U`cVgYfj`U]cbg`cZYI`dYfhYUWYfg`Uhk`cf`_]b`hY`gh`X]c`"DUfU`Y`hc`h`]gZ` mci`k`j`[`U]b`dfUW]WU`YI`dYf]YbW`VmiHUYW]b[`UbX`dfYgYbH]b[`UgdYW]g`cZmci`f`gdYW]U`]gh]bghfi a YbHU`UbX` j`cW]`g_]`gZ`k`]h`dYfY`Yj`U`i`U]cb`UbX`gi`ddcfh`mci`k`j`U`gc`YUfb`hc`UddfU]gYz`Yj`U`i`UH`UbX`Udd`mUgdYW]g` cZdfcZ]gg]cbU`UbX`fYgYUfW`_bck`YX[`Y`Ug`mci`XYj`Y`cd`mci`]bX]j`]Xi`U`UddfUW]Yg`hc`dfUW]W"

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

- %`9I`d`U]b`UbX`XYa`cbghfUH`hY`k`cf`_]b[`g`cZ`hY]f`gdYW]U`]gh]bghfi a Ybhtg`cf`j`c]W]z`UbX`U`fUb[`Y`cZ` Z`bXUa`YbHU`a`i`g]W]`VebW`dhtg"
- &`F`YVc[`b]gY`UbX`W]h]W]mUggYgg`U`j`Uf]YmicZUddfUW]Yg`hc`hY`hYUW]b[`UbX`YUfb]b[`cZa`i`g]W]` h`fci`[`\`fYZYW]cb`cb`hY]f`ck`b`YI`dYf]YbW`Z`dfcZ]gg]cbU`]hYfUH`fY`UbX`cVgYfj`U]cbg`cZgh`X]c` `Yggcbg"
- '`" `I`bXYfghUbXz`Yj`U`i`UH`UbX`Udd`mUgdYW]g`cZ`W`ffYbhYfYgYUfW`ZcW`gYX`cb`]bghfi a YbHU`UbX`j`cW]` `YUfb]b[`UbX`hYUW]b["

HYUW]b[`GhfUH[]Yg`

Gh XYbhtg`k`j`VY[]j`Yb`YWh`fY]bdi`hcb`]ggi`Yg`g`UfYX`VmU`fUb[`Y`cZ`gdYW]U`]gh]bghfi a Ybhtg`cf`j`c]W]z`]bWi`X]b[`fY`Yj`UbhUW`i`gh]WdfcdYfh]YgZ`a`YW]Ub]W]Z`bW]cbgZ`UbX`Z`bXUa`YbHU`a`i`g]W]`VebW`dhtg" `H\YgY` k`j`VY`Vca`d`Ya`YbhX`Vmigh`XYbhdYfYgYbH]cbg`]b`UVcfUhc`fmigYH]b[`gZ]b`k`\]W]`hYmk`j`]b]fcXi`W]z` XYa`cbghfUH]z`X]gW`gg`UbX`Ubkg`Yf`ei`Yg]cbg`UVci`h`hY]f`ck`b`]bghfi a Ybhtg`Gh`XYbhtg`k`j`dUfh]W]dUH`]b` k`cf`_g`cdgZ`Vm[]j`]b[]bX]j`]Xi`U`Yggcbg`hc`UbchYf`gh`XYbhc`hY]f`gdYW]U`]gh]bghfi a Ybhcf`j`c]W]z`k`]h` dYfY`UbX`h`hc`f`ZYXVUW`" `H\Ymk`j`U`gc`U`j`Y`hY`cddcfh`b]m]hc`YUX`hY`WUgg`[`fci`d`VmHUYW]b[`U`g_]`" @YWh`fY]bdi`hk`j`VY`d`hc`dfYdUfY`gh`XYbhtg`Zc`cVgYfj`U]cbg`cZYI`dYfh`h`h`fgZ`Vm]b]fcXi`W]b[]ggi`Yg`UbX` a`Yh`cXg`XfUk`b`Zca`dfcZ]gg]cbU`UbX`fYgYUfW`]hYfUH`fY"

...

5ggYgga Ybh

5b`Ugg][ba YbhVf]YZk]`UddYUf`cb`a`ccXY`Zcf`YUW`UggYgga YbhUg_"

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5ggYgga YbhUg_	K Y][\h	8i Y`8UH`	Gh XYbh@YUfb]b[Ci hWta Yg`5ggYggYX
9ggUm	(\$i	' %/#\$#&\$%-`%%) - `DA	&Z
DcfhZ`]c`	* \$i	Bch5dd`]WUV`Y	%z&

5ggYgga Ybh8YHJ]`g

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8YHJ]`g. `9ggUm`f&\$\$\$`k`cfXg`E`VUgYX`cb`Z`fa`U`c`VgYfj`Uh]cbg`UbX`W]h]WU`UddfU]gU`cZ]bgf`i`a`YbhU`Yggcbg
[]`Yb`]b`h`Y`gdYW]U]ghZ]Y`X`cZYUW`gh`XYbh`H\Y`YggUm`k`]`VY`UW`ta`dUb]YX`Vm`h`Y`c`VgYfj`Uh]cb`gW`YXi`Y`
XYj`]gYX`gdYW]Z]WU`m`Z`f`h`Y`di`fdcgY`cZ`h`Y`Yi`YfW]gY`"K`f]hYb`fYdcfhdfcj`]YX`"

Hi`fb]h]b`gYH]b[.`H\]g`Ugg][`ba`Ybh]g`gi`Va`]hYX`h`fci`[\`Hi`fb]h]b`UbX`gh`XYbhg`Xc`bchgY`Y`Hi`fb]h]b`
g]a`]Uf]mifYdcfng`"

5ggYgga Ybh&.`DcfhZ`]c`

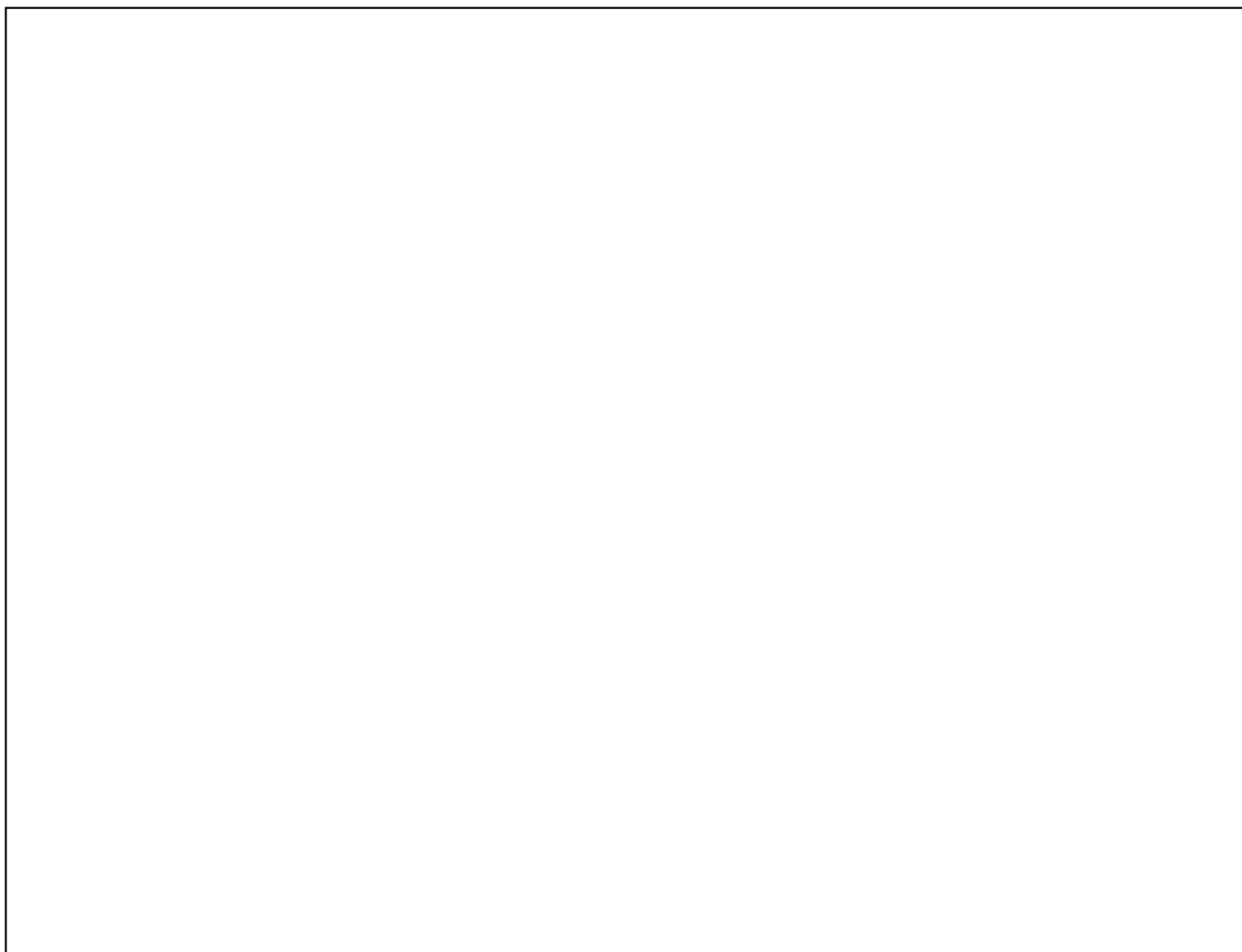
GHUfhXUH`.

@Yb[h. ` `I`%\$\$\$`k`cfXg

8YHJ]`g. `H\`fY`d]YW`g`fY`UH`X`h`c`hY`UW`]b[`]b`h`Y`gh`XYbhg`gdYW]U]ghUfYU`h`Uha`Um]bWi`XY`Yj`]YbW`cZ`
UbX`W]h]WU`fYZYW]cb`cb`hYUW`]b[`UW]j`]m`" `I`%\$\$\$`k`cfXg`Z`&`Z`&`Z`&\$i`" `H\]g`]g`h`Y`Z]bU`UggYgga`Ybh`
hUg_"K`f]hYb`fYdcfng`k`]`VY`[]`Yb`Zcf`YUW`cZ`h`Y`" `d]YW`g`"

5XX]h]cbU`XYHJ]`g.

GY`7`ci`fgY`gW`YXi`Y`Zcf`Xi`Y`XUH`g`"



F Ygci fWg

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H\Y`Wci fgY`hY h]g`6i fk Y`Z? "f&\$%&L`Gh X]c!VUgYX`]bgfhi a YbU`YUfb]b["": Ufb\Ua .`5g\ [UH"

F YWca a YbXYX`F Ygci fWg

@]VfUfmgci fWg`k]`VY`a UbU[YX`hfc] [\`hY`@Y[Ubrc`gmghYa`cb`hY`Wci fgY`a ccX`Y`g]h"

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

: cfa U`Yj U`i Uh]cbg`k]`VY`gci [\hUh`hY`YbX`cZgYa Ygh`fz`UbX`]bZcfa U`ZYXVUW`UbX`ei Ygh]cbg`k]`VY`k Y`Wca Y`UhUbmi]a Y"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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Ʒmci`YbWci bhYf`U`dfcV`Ya`k` \Yb`U`H`Ya` dh]b[`hc`gi Va]hmc`i`f`Ugg][ba YbhHfci [\`Hi fb]hb`z`d`YUgY
H`Y`d`l`cb`Y`9I`H`f`b`U`Gi` ddcfhcb`-`'` ,`)` " ` ' ` ' ` %cf`Ya` U]`H`Ya` `cb`YI`H`f`b`U`H`f`gi` ddcfh4` i` bgk` "YXi` "Ui` "Gi` ddcfh
`ci` fg`UfY` ,` .` \$\$Ua` -`-%\$.` \$\$da` `cb`k` YY`_`XUmg`U`b`X`-` .` \$\$Ua` -`)` .` \$\$da` `cb`k` YY`_`YbXg`f`l` *)` `XUmg`U`m`Y`U`f`l`" Ʒmci
UfY`i` bUV`Y`hc`gi Va]hmc`i`f`Ugg][ba YbhXi` Y`hc`U`Z`U`i` h`k`]H`Hi`fb]hb`mci` `a` UmiUdd`mi`Z`f`Ub`YI`H`f`bg]cb`z`Vi` hmc`i
a` i` gh`f`Y`H]b`mci` f`h]W`Y`h`bi` a` VYf`Z`ca` `9I`H`f`b`U`Gi` ddcfhf`U`cb[`k`]H`U`b`m`c`H`Y`f`f`Y`j` UbhXcW` a` Yb`hg`L`hc
]b`Wi` XY`Ug`Y`j`]XYbW`hc`gi` ddcfhmc`i` f`YI`H`f`bg]cb`Udd`]W`h]cb" Ʒmci` `Ya` U]`9I`H`f`b`U`Gi` ddcfhmc`i` `k`]`
Ui` hc`a` U`h]W`U`m`f`Y`W`]j` Y`U`h]W`Y`h`bi` a` VYf`z`Vi` h]Zmci` `H`Y`d`l`cb`Y`mci` `k`]`b`Y`Y`X`hc`gd`Y`W`Z]W`U`m`Ug`_`Z`f`cb`Y`"
Hi`fb]hb`U`gc`d`fcj`]XYg`i` dXUH`g`cb`H`Y]f`gm`gh`Ya` `gh`U`h`g`cb`Hk`]H`Y`f`"

; YbYfU`m`z`UggYgga YbhHUg_g`a` i` gh`V`Y`gi Va]H`Y`X`Y`Y`W`f`cb]W`U`m`j`]U`Y`]H`Y`f`Hi`fb]hb`cf`U`A` cc`X`Y`
Ugg][ba Ybh`H`b`]bg`H`b`W`g`k` \Y`f`Y`H`L`g`]g`b`ch`id`cgg]V`Y`Z`]h`k`]`V`Y`g`H`Y`X`cb`mci` 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`XY`H]`g`"

: cf`]b`Z`c`fa` U`h]cb`cb` \ck`hc`gi Va]h]Ugg][ba Ybh`g`cb`]b`Y`j`]U`A` cc`X`Y` .` \`h`td`g` .`#`gh` XYb`h`i` bgk` "YXi` "Ui` #ack`!
gi Va]h]Ugg][ba Ybh`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" `hWUb`hU`Y`a`Ubm`Z`fa`g`z`Z`ca`XY`]VYfUHY`WX`YU]b[`hc`UW]XYbhU`m`W`dm]b[`Z`ca`U`gci`f`W`k`]h`ci`h`UW`_`bck`YX[`Ya`Ybh`

I`BGK`[`fci`dg`d`U[]Uf]ga`]b`hc`h`Y`Z`c`ck`]b[`W]HY`[`cf]Yg.

7`cdm]b[`i`g]b[`h`Y`g`Ua`Y`cf`j`Y`fmg]a`]U`f`k`cf`Xg`hc`h`Y`cf][]b`U`h`I`h`cf`]X`Y`U`k`]h`ci`h`UW`_`bck`YX[]b[`h`Y`g`ci`f`W`cf`i`g]b[`ei`chU]cb`a`Uf`_g" `H`[g`U`gc`U`dd`Y`g`hc`]a`U[`Y`g`z`U`f`h`UbX`XYg][`b`d`fc`Y`W`g`z`U`g`k`Y`U`g`df`Y`g`Y`b`h`c`b`g`k`Y`f`Y`g`ca`Y`cb`Y`d`f`Y`g`Y`b`h`g`U`b`c`h`Y`f`g`]X`Y`U`g`c`f`k`cf`Xg`k`]h`ci`h`W`Y`X`]h`

h`U`d`d`f`c`d`f]U`H`d`U`f`U`d`f`U`g]b[`7`U`b[]b[`U`Z`k`k`cf`Xg`UbX`d`f`U`g`Y`g`k`Y`a`c`g`h`m`f`Y`h]b]b[`h`Y`cf][]b`U`g`f`i`W`i`f`Y`UbX`#`f`d`fc[`f`Y`g`g]c`b`c`Z]X`Y`U`g`c`Z`h`Y`cf][]b`U`z`UbX`]b`Z`ca`U`h]c`b`k`]h`ci`h`UW`_`bck`YX[`Ya`Ybh`H`[g`U`gc`U`dd`Y`g`]b`d`f`Y`g`Y`b`h`c`b`g`k`Y`f`Y`g`ca`Y`cb`Y`d`U`f`U`d`f`U`g`Y`g`U`b`c`h`Y`f`g`]X`Y`U`g`c`f`k`cf`Xg`k`]h`ci`h`W`Y`X`]h`UbX`hc`d`Y`W]b[`hc[`Y`h`Y`f`ei`ch`Y`g`UbX`d`U`f`U`d`f`U`g`Y`g`]b`hc`U`b`Y`k`k`Y`c`Y`z`k`]h`ci`h`U`d`d`f`c`d`f]U`H`f`Y`Z`f`Y`b`W]b["

7`c`i`g]c`b`k`cf`_]b[`k`]h`c`h`Y`fg`Vi`hd`U`g]b[`c`Z`h`Y`k`cf`_`U`g`U`d`Y`fg`cb`g`]b`X`j`]Xi`U`k`cf`_`7`c`i`g]c`b`U`gc`]b`Wi`XY`g`d`f`c`j`X]b[`mci`f`k`cf`_`hc`U`b`c`h`Y`f`g`h`XY`bh`V`Y`Z`c`f`Y`h`Y`Xi`Y`X`U`h`z`c`f`Z`c`f`h`Y`di`f`d`c`g`Y`c`Z`h`Ya`d`U[]Uf]g]b[`Uh`Ub`m`h`ja`Y`z`d`U`m]b[`U`b`c`h`Y`f`d`Y`fg`cb`hc`d`Y`f`Z`ca`Ub`U`W`X`Y`a`]W`h`U`g`_`z`g`h`U`]b[`cf`U`W`e`i`]f]b[`U`b`c`h`Y`f`d`Y`fg`cb`g`U`W`X`Y`a`]W`k`cf`_`UbX`W`e`d`m]b[`]h`z`c`Z`f]b[`hc`W`e`a`d`Y`h`U`b`c`h`Y`f`d`Y`fg`cb`g`k`cf`_`cf`g`Y`Y`_]b[`d`U`ma`Y`bh`Z`c`f`W`e`a`d`Y`h]b[`U`W`X`Y`a`]W`k`cf`_`"

h`U`d`d`f`c`d`f]U`H`W`h]c`b`7`]h]b[`gci`f`W`g`k`k`W`X`U`j`Y`b`ch`V`Y`Y`b`f`Y`U`X`z`k`]h`ci`h`UW`_`bck`YX[]b[`h`Y`g`Y`W`e`b`X`U`f`m`gci`f`W`Z`ca`k`k`W`X`_`bck`YX[`Y`c`Z`h`Ya`U`g`V`Y`Y`b`c`V`h]b`Y`X"

8`i`d`]W]h]c`b`f`f`g`Y`Z`d`U[]Uf]ga`"L`gi`Va`]h]b[`mci`f`ck`b`k`cf`_`z`]b`k`Y`c`f`]b`d`U`f`z`k`Y`f`Y`]h`U`g`d`f`Y`]ci`g`m`V`Y`Y`b`d`f`Y`d`U`f`Y`X`c`f`gi`Va`]h`Y`X`Z`c`f`U`b`c`h`Y`f`U`g`Y`g`ga`Y`bh`c`f`W`e`i`f`g`Y`U`h`I`BGK`c`f`U`b`c`h`Y`f`i`b`j`Y`f`g]m`

7`c`f`f`Y`W`i`f`Y`Z`f`Y`b`W]b[`d`f`U`W]W`g.

- D`U`f`U`d`f`U`g]b[`z`gi`a`a`U`f]g]b[`z`Y`g`g`U`m`k`f`]h]b[`UbX`h`ja`Y`a`UbU[`Ya`Ybh`

5 WUXYa]WbZcfa Uh]cb`

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`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`]`hm/
- UbX`chYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\hdtg.#k k k "Uftg"i bgk "YXi "Ui #W ffYb\]hghi XYbh\]bZcfa Uh\]cb`dfc\]Vc`g!\[i \]XY`\]bYg#](#)

⇒ U[Y`7 fYX]h

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7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY.`\$\$\$- ;