



MUSC2603

A UHYfjU`g`UbX`Ghfi Wñ fYg`cZA i gJW(

HYfa `Hk c`#`&\$%-



GWcc`cZHAY`5ftg`UbX`A`YXJU`#`I`BGK`..5ftg`UbX`GcWJU`GWYbWg

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUW`i8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUjcb	D\cbY
>c\b`DYHfgcb	^dYHfgcb4 i bgk "YXi "Ui		%) žF cVYfh K YVghYf 6i]X]b[- ' ,) ` (, +\$

`@YWi fYfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUjcb	D\cbY
>c\b`DYHfgcb	^dYHfgcb4 i bgk "YXi "Ui		%) `F cVYfh K YVghYf 6i]X]b[- ' ,) ` (, +\$

`Hi hcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWUjcb	D\cbY
<Uff]gcb`7c``]bg	\`Wc``]bg4 i bgk "YXi "Ui	d`YUgY`Wc`bHUWj]U Ya Uj`		
DUi ``7i hUb	gUa 4 i bgk "YXi "Ui	D`YUgY`Wc`bHUW`DUi` j]U`Ya Uj`. `dUi`W`hU b4]Wci X`Wca		

GW\cc``7cbhUW`i`bZcfa Uhjcb

Fcca " %&ž`Yj Y`` `F cVYfhK YVghYf`6i]X]b[

D\cbY. f\$&Ł- ' ,) ` (,) *

9a Uj`. [gUa 4 i bgk "YXi "Ui](#)

K YVg]h. [\`hdg`#gUa "Ufng"i bgk "YXi "Ui](#)

H\Y`GW\cc``cZ`hY`5fng`UbX`A`YX]U`k`ci`X`_]`Y`hc`F`YgdYWz`m5`W`bck`YX[`Y`hY`HfUX]`hcbU``7i`ghcX]Ubgž`hY`6YXY[`U`fP`Ybg]b[`hcb`WJa`di`gŁž;`UX][`U`fP`]mUbX`5fhi`8Yg][`b`7`Ua`di`gYgŁ`UbX`hY`B`[`i`bbUk`U`dYcd`Y`fBi`ghfU]`Ub`8Yž`bW`:`cfW`5WUXYa`m]b`7`UbVYffUŁ`cZ`hY`UbXg`k`YfY`YUW`WJa`di`g`cZI`BGK`]g`c`WU`hY`X`"

7 ci fgY'8YHJ]`g

7 fYX]hDc]bmg`*`

Gi a a UfmicZ\hY'7 ci fgY

Gi VYWh5fYU.'? ge[U

H\]g`WcfY`Wci fgY`Yi hYbXg`hY`gh XYbHg`_bck`YX[Y`cZ\hY`a UHf]U`gžgfi`Vh`fYgž`UbX`dfcW`ggYg`cZ`hcbU`
a i g]W`h`Ub`UXj`UbW`X`Yj`Y`j`]U`hY`gh`Xm`UbX`Udd`]W`h]cb`cZ`Ufa`cb]W`UbX`a`Y`cX]W`dfU`W]W`g`]b`V`ch`
UXj`UbW`X`Wci`bhY`fdc]b]h`Z`c`W`g]b[`d`Uf`h`m`c`b`h`Y`gh`X`m`c`Z`h`Y`a`i`g]W`c`Z`>"G" `6`U`W`X`ž`U`g`k`Y`U`g`Y`U`f`m`i`&`\$`h`
W`b`h`f`m`K`Y`g`h`f`b`U`f`h`a`i`g]W`W`c`a`d`c`g]h`c`b`ž`UbX`]b`W`i`X]b[`Ub`Y`i`U`a`]b`U`h]cb`c`Z`h`Y`]a`d`]W`h]cb`g`Z`c`f`g`i`W`
a`i`g]W`U`df`U`W]W`g`c`b`c`h`Y`f`g`m`Y`g`i`W`U`g`d`c`d`i`U`f`a`i`g]W`UbX`U`n`n`"G`h`X`Y`b`h`g`k`]`X`Y`j`Y`c`d`h`Y`W`b]W`
bck`YX[Y`UbX`g]`]b`h`Y`UbU`mg]g`UbX`Udd`]W`h]cb`c`Z`Udd`f`c`d`f]U`H`a`Y`c`X]W`UbX`U`f`a`cb]W`Y`U`V`c`f`U`h]cb`ž`
Wci`bhY`fdc]b]h`UbX`W`c`b`f`U`d`i`b`U`h`Y`W`b`j`e`i`Y`ž`j`c]W`Y`U`X]b[ž`UbX`a`i`g]W`U`Z`c`f`a`" `9`i`Y`f`W]g`Y`g`]b`UXj`UbW`X`
W`c`a`d`c`g]h`c`b`U`W`U`Z`i`d`f`c`j`X`Y`h`Y`gh`X`Y`b`h`k`]h`h`Y`c`d`d`c`f`h`b]m`i`c`X`Y`a`c`b`g`h`U`H`h`h`Y`f`]b]h]U`h]j`Y`UbX`W`Y`U`h]j`]m`
k`]h]b`g`Y`Y`W`X`g`m`Y`g`c`Z`a`i`g]W`H`Y`W`c`i`fgY`X`Y`j`Y`c`d`g`W`c`f`Y`g_]`g`]b`a`i`g]W]U`b`g`U`d`UbX`h`Y`U`V`]m`i`c`U`d`d`m`
h`Y`g`Y`]b`c`h`Y`f`U`f`Y`U`g`c`Z`a`i`g]W`U`df`U`W]W`UbX`f`Y`g`Y`U`f`W`"

7 ci fgY`@YUfb]b[`Ci hWc`a Yg

%`a`U`g`h`f`_bck`YX[Y`c`b`h`Y`a`U`H`f]U`g`ž`g`f`i`V`h`f`Y`g`ž`UbX`dfcW`ggYg`c`Z`W`f`c`a`U`h]W`h`c`b`U`a`i`g]W`U`h`U`b`
UXj`UbW`X`Y`j`Y`"
&`5`b`U`m`g`Y`W`f`c`a`U`h]W`a`Y`c`X`m`UbX`U`f`a`c`b`m]b`V`c`h`%`h`W`b`h`f`m`W`c`b`f`U`d`i`b`U`h`g`m`Y`g`U`g`k`Y`U`g`Y`U`f`m`
&`\$`h`W`b`h`f`m`i`a`i`g]W`U`g`m`Y`g`ž`]b`W`i`X]b[`d`c`d`i`U`f`a`i`g]W`UbX`U`n`n`"
'`" `U`d`d`m`_bck`YX[Y`UbX`g_]`]b`h`Y`i`g`Y`c`Z`W`f`c`a`U`h]W`a`Y`c`X`m`UbX`U`f`a`c`b`m`i`c`h`Y`]X`Y`b`h]W`h]cb`UbX`
W`c`b`h`i`h`U`]g`U`h]cb`c`Z`Y`m`i`&`\$`h`W`b`h`f`m`i`a`i`g]W`U`k`c`f`g`"
(`" `U`d`d`m`h`Y`f`X`Y`j`Y`c`d]b[`a`i`g]W`U`_bck`YX[Y`UbX`g_]`h`c`a`i`g]W`a`U_]b[ž`k`Y`h`Y`f`]h`V`Y`d`Y`f`Z`c`f`a`]b[`c`f`
W`c`a`d`c`g]b[`"
)`" `X`Y`a`c`b`g`h`U`H`h`Y`f`Y`g_]`g`]b`a`i`g]W]U`b`g`U`d`ž`]b`d`U`f`h]W`U`f`ž`a`i`g]W`]h`f`U`W`h`ž`W`c`f`Y`f`Y`U`X]b[ž`U`i`f`U`
X]g`W]a`]b`U`h]cb`ž`UbX`h`Y`d`Y`f`Z`c`f`a`UbW`c`Z`U`X`j`UbW`X`W`f`c`a`U`h]W`U`f`a`cb]W`d`f]b`W]d`Y`g`"

HYUW\]b[`GhfUHy[]Yg`

Gh XYbHg`U`h`Y`b`X`U`k`YY`_m`c`b`Y`!\`ci`f`Y`W`h`f`Y`c`b`a`i`g]W`h`Y`c`f`m`UbX`U`f`a`c`b`m`U`k`YY`_m`c`b`Y`!\`ci`f`h`h`c`f]U`c`b`
U`f`a`c`b`m`UbX`UbU`mg]g/U`b`X`U`k`YY`_m`c`b`Y`!\`ci`f`k`c`f`g`U`c`d`c`b`U`i`f`U`g_]`g`"

@Y`W`h`f`Y`g`]b`j`c`j`Y`W`U`g`g`Y`i`Y`f`W]g`Y`g`]b`a`i`g]W`h`Y`c`f`m`UbX`U`f`a`c`b]W`U`b`U`mg]g`U`b`X`U`f`Y`U`i`[`a`Y`b`h`X`k`]h`g`c`i`b`X`
f`Y`W`c`f`X]b[g`ž`d`c`k`Y`f`d`c]b`h`d`f`Y`g`Y`b`h]cb`g`ž`UbX`W`U`g`g`e`i`]n`n`Y`g`"

H`Y`U`U`f`a`c`b`m`i`h`h`c`f]U`d`f`c`j`X`Y`g`h`Y`gh`X`Y`b`h`g`k`]h`h`Y`c`d`d`c`f`h`b]m`i`c`W`c`a`d`Y`h`]b]X`Y`d`h`UbU`mg]g`c`Z`g`Y`Y`W`X`
a`i`g]W`U`Y`i`U`a`d`Y`g`]b`g`i`d`d`c`f`h`c`Z`h`Y`Y`W`h`f`Y`g`Y`f]Y`g`"

5`i`f`U`k`c`f`g`U`c`d`g`]b`j`c`j`Y`W`U`g`g`U`W]j`]h]Y`g`ž`]b`h`b`g]j`Y`X`f`]g`ž`UbX`Y`i`Y`f`W]g`Y`g`]b`h`Y`UbU`mg]g`c`Z`g`Y`Y`W`X`
a`i`g]W`U`Y`i`U`a`d`Y`g`X`Y`g]]`b`Y`X`h`c`X`Y`j`Y`c`d`U`X`j`UbW`X`U`i`f`U`d`Y`f`W`d`h]cb`"

5ggYgga Ybh

5`UggYgga Ybh]hYa gZUg]XY`Zca`]b!WUgg`hYghgZ`UfY`hc`VY`gi Va`JhYX`j`]U`A ccX`Y"

h]g`l`BGK`Dc`]WnhU`hU`gh`XYbhg`a`i`ghU`hYa`dh5`@@`UggYgga`Ybhg`]hYa`g`k`]h`b`U`Wci`fgY"

Gh`XYbhg`a`i`ghU`W`JYj`Y`U`fDUggfia`Uf`_`Zcf`h`Y`<`Ufa`cbm`Wca`dcb`Ybh`hc`VY`Uk`UfXYX`U`fDUggfia`Uf`_`Zcf`h`Y`Wci`fgY`cj`YfU`"

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K`Y][`\\h`	8i`Y`8U`hY`	Gh`XYbh`@YUfb]b[`C`i`h`Wca`Yg`5ggYggYX`
A`i`g]W@]hYfU`h`fY`	%` `	Bch5dd`]WUV`Y`	(`z`)
<`Ufa`cbmf@YW`h`fY`L`	*`\$` `	Bch5dd`]WUV`Y`	%z&z`z(`z`)
5i`fU`K`cf_g`\\cd`f`h`i`hc`f]U`L`	&` `	Bch5dd`]WUV`Y`	%z&z`z(`

5ggYgga Ybh8YhU]`g`

5ggYgga Ybh%`A`i`g]W@]hYfU`h`fY`

GhUfhXU`hY`.`Bch5dd`]WUV`Y`

8YhU]`g`.`GY`ZX]fY`W`X`gh`Xmk`]h`U`Z]b`U`Y`I`Ua`":`YYXVUW`_`dfcj`]XYX`Vm`fYgi`h`Zcf`Y`I`Ua`"

5XX]h]cbU`X`Y`hU]`g`.

H`Y`A`i`g]W@]hYfU`h`fY`Y`I`Ua``]g`U`k`f]hY`b`Y`I`Ua`z`k`\\]W`hU`_`Yg`d`U`W`X`i`f]b[`h`Y`bcfa`U`<`Ufa`cbm`@YW`h`fY`h`a`Yg`cb`Hi`YgXUm`\$`*`5i`[`i`ghfK`YY`_%`\$`L`]b`K`YVghYf`;%`+`"Gh`XYbhg`g`\\ci`X`U`hY`bX`h`Y`Y`I`Ua``\\Y`X`U`h`h`Y`Y`W`h`fY`h`a`Y`Zcf`k`\\]W`h`Y`m`UfY`Zcf`a`U`m`Y`bfc`Y`X`"

5`h`ci`[`\\gca`Y`c`Z`h`Y`k`cf_g`cb`h`Y`@]hYfU`h`fY`@]ghk`]`VY`X]gW`ggYX`]b`h`Y`5i`fU`h`hc`f]U`g`z`]h]g`YUW`gh`XYbhg`fYgdcbg]V`]m`hc`a`U`_`Y`h`Y`h`a`Y`hc`gh`XmYUW`c`Z`h`Y`k`cf_g`cb`h`Y`]gh`i`

D`Y`UgY`g`YY`h`Y`A`i`g]W@]hYfU`h`fY`@]ghz`Uj`U]UV`Y`cb`A`ccX`Y`"H`\\]g`Y`I`Ua``Wcbgh]h`h`Y`g`%)`i`c`Z`h`Y`cj`YfU`a`Uf`_`Zcf`A`I`G7`&\$`*`"``

Hi`fb]h]b`g`Y`h]b[`.`H`\\]g`]g`bchU`Hi`fb]h]b`Ugg][`ba`Ybh`

5ggYgga Ybh&.`<`Ufa`cbmf@YW`h`fY`L`

GhUfhXU`hY`.`Bch5dd`]WUV`Y`

8YhU]`g`.`DcfhZ`]c`c`Z`<`Ufa`cbm`UbX`7`ca`dcg]h]cb`9`I`YfV]gYg.`h`k`c`]b!WUgg`hYghg`UbX`cbY`Wca`dcg]h]cb`Y`I`YfV]gY`"K`f]hY`b`ZYXVUW`_`dfcj`]XYX`Vm`Y`W`h`fY`f`"

5XX]h]cbU`X`Y`hU]`g`.

H\Y<Ufa cbmDcfrZc'jc'Wta dcbYbh]g'VUgYX'cb'hfYY'UggYgga Ybh]Hya g'hUhfY'UggcWUHYX'k]h'hY
WcbHYbhcZVch'hY<Ufa cbm@YWi fY'UbX'hY<Ufa cbmGh X]c.

5ggYgga Ybh%"#!WUgg'HYgh\Y'X'j]b'hY'bcfa U''YWi fY'hja Y'cb'Hi YgXUm\$- 'si'mfK YY_ '*Lz]b'; %+'zh]g
HYgh]g'k cft\%) i 'cZhY'hcH'U'a Uf_ 'Zcf'hY'Wci fgY"

5ggYgga Ybh%"#!WUgg'HYghf'c'g]a]Uf\Y'X'j]b'hY'bcfa U'Gh X]c'hja Y'cb'K YXbYgXUm\$+'5i [i ghfK YY_
%\$Lz]b'K YVghf'f' \$*'zh]g'HYgh]g'k cft\%) i 'cZhY'hcH'U'a Uf_ 'Zcf'hY'Wci fgY"

5ggYgga Ybh' "'U'7ca dcg]h]cb'fUg_'hc'VY'gi Va]H'X'j]U'A ccX'Y'Vm(da 'A cbXUm%&'5i [i gh'fVY []bb]b['cZ
K YY_ '%Lz'h]g'Ugg][ba Ybh]g'k cft\%' \$i 'cZhY'hcH'U'a Uf_ 'Zcf'hY'Wci fgY"

D'YUgY'BC'hY.'h]g'l BGK 'Dc']Wm'hU'U''gh'XYb'g'a i gh'UHYa dh'5@@UggYgga Ybh]Hya g'k]h]b'U
Wci fgY'Z'UbX'gh'XYb'g'b'YX'h'c'U'fU]b'U'fDUggfia Uf_ 'Zcf'hY'<Ufa cbmWta dcbYbh'hc'VY'Uk UfX'Y'Ub
cj YfU''fDUggfia Uf_ 'Zcf'hY'Wci fgY"

Hi fb]h]b'gYH]b[. H\]g]g'bchU'Hi fb]h]b'Ugg][ba Ybh

5ggYgga Ybh' . '5i fU'K cf_g\cd'fHi hc]f]U'z

GHUfhXUHY.'Bch5dd]WUV'Y

8YHU]g.'DcfrZc'jc'cZ5i fU'9I YfW]gYg.'cbY'fUbgW]d]cb'YI YfW]gY'UbX'cbY']b!WUgg'Ui fU'HYgh'K f]HYb
ZYXVUW_dfcj]YX'Vm'h hc'f"

5XX]h]cbU'XYHU]g.

H\Y'5i fU'Hi hc]f]U'Wta dcbYbhWcbg]g]g'cZhY'Z'ck]b['UgYgga Ybh]Hya g.

U5i fU]U'dfc[fUa 'f] i 'L'h]g'U'fYei]fYa Ybh'hU'5@@gh'XYb'g]b'A I G7 '&'\$' 'a i ghVY'k cf_]b['k]h'hY
5i fU]U'f7'ci X'J Yfg]cb'YU'f]fU]b]b['gcZk UfY'"#&'\$%-zh]g'gcZk UfY'\Ug'VYb'dfcj]YX'Zcf'YUW'gh'XYbh
Vm'h'Y'G'W'cc'cZhY'5f'g'UbX'A YX]U''Zmci 'k YfY'bc'hYb'fc''YX'j]b'U'A UHYf]U'g'UbX'G'f'i W'i fYg'cZA i g]W
Wci fgY']b'HYfa '%&'\$%-z'UbX'h'i g'Xc'b'ch'W'f'fYb'h'm'\Uj Y'U'W'W'g'hc'5i fU]U'z'd'YUgY'Wcb'U'W'h'Y'7ci fgY
7cbj Ybcf'Ug'gccb'Ug'dcgg]V'Y'hc'U'ff'Ub[Y'U'W'W'gg'"G'h'XYb'g'UfY'YI d'Y'W'X'hc'k cf_'k]h'hY'5i fU]U'YU'f
fU]b]b['gcZk UfY'h'fci [\ci h'f'fa "'5'a]b]a i a 'gh'U'X'U'f'Zcf'Y'U'W'k YY_]g'g'Y'h'ci h]b'hY'5i fU'g'W'X'i 'Y
fg'Y'Y'A ccX'Y'E'Mci f'dfc[fYgg'k]''VY'a cb]hc'fYX''D'YUgY'BC'hY.'h]g'l BGK 'Dc']Wm'hU'U''gh'XYb'g'a i gh
Wta d'Y'Y'5@@UggYgga Ybh]Hya g'k]h]b'U'Wci fgY'Z'gc'Zmci 'Xc'b'ch'Wta d'Y'Y'hY'5i fU]U'5ggYgga Ybh'mci
k]''fY'W]j Y'U': U]''; fUXY'Zcf'hY'A I G7 '&'\$' '7ci fgY'Z'Yj Yb']Zmci '\Uj Y'Wta d'Y'Y'X'U''c'h'Y'f'UggYgga Ybh
]Hya g"

U5i fU'5bU'mg]g'f] i 'L]g'Xi Y'cb'H\i fgXUm%%>i'mfK YY_ '*L'D'YUgY'gi Va]h'mci f'Ugg][ba Ybh'h'fci [\
hY''j]b_'h'U'hk]''VY'a UXY'Uj U]UV'Y'j]b'hY'A I G7 '&'\$' 'A ccX'Y'a cXi 'Y"

Uc bY']b!WUgg'k f]HYb'HYgh'f%\$i 'L'UggYggYX'cb'H\i fgXUm'i) >i'mfK YY_, 'L'H\Y'a UHYf]U''j]b'h]g'HYgh]g'cZU
W'f'fY'W'h'UbX'j]b'W'f'fY'W'h'U'h'fY''D'fY'd'U'f'U'h]cb]g'VYgh'X'cbY'h'fci [\fY[i 'U'f'i g'Y'cZhY'5i fU]U'dfc[fUa "

•G][\h]g]b[]b['f] i 'L'UggYggYX'j]b'bcfa U'5i fU'h'hc]f]U'hja Yg'cb'H\i fgXUm\$, '5i [i ghfK YY_ '%\$E"

Hi fb]h]b'gYH]b[. H\]g]g'bchU'Hi fb]h]b'Ugg][ba Ybh

5 hYbXUbW`F Yei]fYa Ybhg

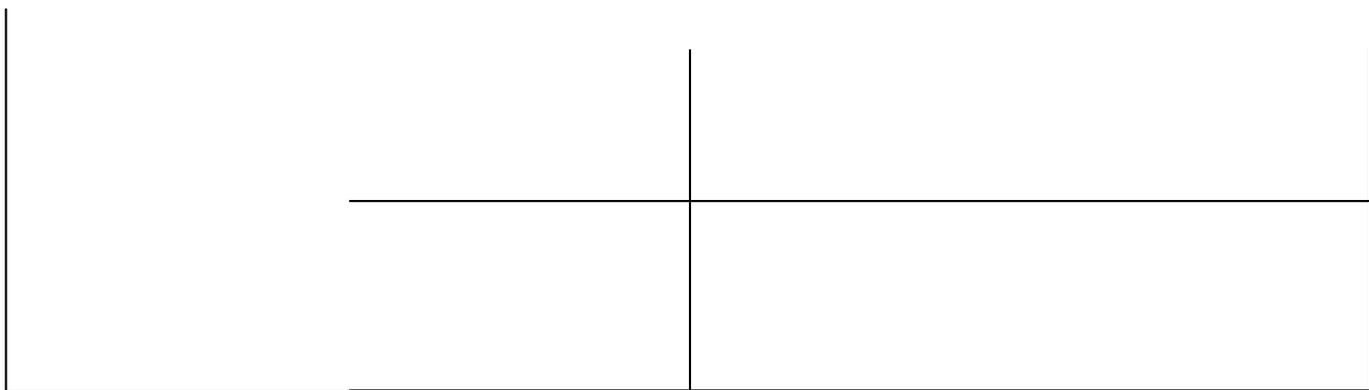
7 ci fgY`GWXYXi `Y

[J \]yk`WUgg`hja YhUV`Y](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_`%`" `>i bY!`+`>i bY	@YWh fY	< Ufa cbm@YWh fY. `Hi YgXUm\$(`>i bYž %\$`\$\$Ua !%%" \$Ua ž&`\$\$da !' "" \$da ž]b`K YVghYf ; %+ @YWh fYf. `>c\b`DYhYfgcb hfcXi W]cb`h`hY`Wci fgY" D@95G9`BC H9. `Hi hcf]U`g`UbX`Gh X]cg`VY[]b`]b K YY_`&"
K YY_`&.`%\$`>i bY!`%(` >i bY	@YWh fY	< Ufa cbm@YWh fY. `Hi YgXUm%%>i bYž %\$`\$\$Ua !%%" \$Ua ž&`\$\$da !' "" \$da ž]b`K YVghYf ; %+ @YWh fYf. `>c\b`DYhYfgcb
	Gh X]c	< Ufa cbmGh X]c. `K YXbYgXUm%& >i bYž%\$" \$Ua !%&`\$\$da ž%&`\$\$da !%" \$da ž K YVghYf" \$*" Hi hcf. `DUi `7i hUb 5`Z ``gWXYXi `Y`Zcf`hcd]Wg`]bWi XYX`hY`< Ufa cbm Gh X]cg`k]`VY`a UXY`Uj U]UV`Y`cb`A ccXY"
	Hi hcf]U`	5i fU`Hi hcf]U`. `H\i fgXUm% `>i bYž %%`\$\$Ua !%&" \$da ž%&" \$da !&`\$\$da ž]b`K YVghYf ' \$*" Hi hcf. `< Uff]gcb`7c``]bg 5`Z ``gWXYXi `Y`Zcf`hcd]Wg`]bWi XYX`hY`5i fU` Hi hcf]U`g`k]`VY`a UXY`Uj U]UV`Y`cb`A ccXY"
K YY_`"`. `%+`>i bY!`!&% >i bY	@YWh fY	< Ufa cbm@YWh fY. `Hi YgXUm% `>i bYž %\$`\$\$Ua !%%" \$Ua ž&`\$\$da !' "" \$da ž]b`K YVghYf ; %+ @YWh fYf. `>c\b`DYhYfgcb
	Gh X]c	< Ufa cbmGh X]c. `K YXbYgXUm%- `>i bYž %\$" \$Ua !%&`\$\$da ž%&`\$\$da !%" \$da žK YVghYf" \$*" Hi hcf. `DUi `7i hUb
	Hi hcf]U`	5i fU`Hi hcf]U`. `H\i fgXUm&\$`>i bYž

		%%"\$Ua !%&" \$da ž%&" \$da !&"\$da ž]b`K YVghYf ' \$*" Hi hf. '<Uff]gcb`7c``]bg
K YY_(. '&('i bY!'&, >i bY	@YWh fY	< Ufa cbm@YWh fY. 'Hi YgXUm&) 'i bYž %\$"\$Ua !%&" \$Ua ž&"\$da !' "" \$da ž]b`K YVghYf ; %+ @YWh fYf. '>c\b`DYHfgcb
	Gh X]c	< Ufa cbmGh X]c. 'K YXbYgXUm&* 'i bYž %\$"" \$Ua !%&"\$da ž%&"\$da !%" \$da žK YVghYf' \$*" Hi hf. 'DUi ``7i hUb
	Hi hf]U`	5i fU`Hi hf]U`. 'Hvi fgXUm&+ 'i bYž %%"\$Ua !%&" \$da ž%&" \$da !&"\$da ž]b`K YVghYf ' \$*" Hi hf. '<Uff]gcb`7c``]bg
K YY_) . '%>i `m!) 'i `m	@YWh fY	Hi YgXUm\$&'>i `m`BC `@97HI F 9" ,
	Gh X]c	< Ufa cbmGh X]c. 'K YXbYgXUm\$' 'i `mž %\$"" \$Ua !%&"\$da ž%&"\$da !%" \$da žK YVghYf' \$*" Gi fU`Hi hf]U`. 'Hvi fgXUm&\$>i bYž Hi hf. 'DUi ``7i hUb
	GYa]bUf	



F Ygci fWg

DfYgWf]VYX F Ygci fWg

F YWca a YbXYX F Ygci fWg

<Ufa cbmi@YWi fY HYI Hcc_.

H]hY. H\Y'A i g]WUbbg; i]XY'rc H\YcfmUbX'5bU'mg]g
5i h.cffgk >UbY'D]dYf'7 YbX]bb]['UbX'9]hUVYh'A Ufj]b'K Ygh
Di V]g\Yf. K "K " B.cftcb/ '7 ca dUbm-bW
9X]hcb." fX'9X]hcb
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<Ufa cbmGh X]c HYI Hcc_.

H]hY. H\Y'>Unn H\Ycfm6cc_

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MYUf. %- -) #&\$%%

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

Gh XYbhZYXVUW_]g'cb'h]g'Wci fgY]g' [UhYfYX'dYf]cX]WU'mUbX']g'U'k Umg'WUfYz 'mWcbg]XYfYX'k]h'U
j]Yk 'rc'UW]b['cb']h'Wcbgfi W]j Y'mk \YfYj Yf'dcgg]V'Y": YYXVUW_]g' [UhYfYX'Vm] Uf]ci g'a YUbg]bW' X]b[
h.Y'cWU]g]cbU']bZfa U'cb!]bY'ei Yg]hcb]bU]fY UbX'j]U'hY'a cfY'Zcfa U'a m9] dYf]YbW' DfcW'gg"

h'] [\hcZdfyj]ci g'ZYXVUW_ Zca 'gh XYbh]b'h]g'Wci fgY'a cfY'ZcW'g'\Ug'VYYb' []j Yb'rc'i bXYfghUbX]b[
\Ufa cbmiUbX'\Ufa cb]WUcbW'dhg'Ug'hYmfY'UH'rc'Unn UbX'chYf'a i g]WghmYg"G]a]Uf'mz'U'VfcUXYf'fUb[Y
cZa i g]WU'ghmYg']g'fYZYfYbW'X'UbX'YI Ua]bYXz'YgdYW]U'mk]h]b'hY'Ui fU'UbX'a i g]W']hYfUhi fY
Wca dcbYbhg]b'cfXYf'rc'Z' fhYf'Yb\UbW'UbX'Wcbgc']XUH'hY'gh XYbh]g'i bXYfghUbX]b['cZhcgy'WcbW'dhg"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Hi fb]hb`Gi Va]gg]cb

zmc i`YbWci bhYf`U`dfcV`Ya`k` \Yb`U`H`Ya` dh]b[`hc`gi Va]hmc i`f`Ugg][ba YbhHfci [\`Hi fb]hbzd`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
`l`ci` fg`UfY` ,` .`\$\$Ua` -`-%\$.`\$\$da` `cb`k` YY`_`XUmg`U`b`X`-` .`\$Ua` -`i`)` .`\$da` `cb`k` YY`_`YbXg`f`l` *)` `XUmg`U`m`Y`U`f`l`" zmc i
UfY`i` bUV`Y`hc`gi Va]hmc i`f`Ugg][ba YbhXi`Y`hc`U`ZU`i`h`k`]H`Hi`fb]hb`mc i`a`Um`Udd`m`Zc`f`Ub`YI`H`f`bg]cbz`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` ddcfhf`U`cb[`k`]H`U`b`m`c`H`Y`f`f`Y`j`Ub`h`X`c`W`a`Y`b`h`g`l`hc
]b`W`i`X`Y`U`g`Y`j`]X`Y`b`W`hc`gi` ddcfhmc i`f`YI`H`f`bg]cb`Udd`]W`h]cb" zmc i`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`VY`f`z`Vi`h]Z`mc i`H`Y`d`l`cb`Y`mc i`k`]`b`Y`Y`X`hc`gd`Y`W`Z]W`U`m`U`g`_`Zc`f`cb`Y`"
Hi`fb]hb`U`gc`d`fc`j`]X`Y`g`i`d`X`U`H`Y`g`i`cb`H`Y`f`g`m`g`h`Ya` `g`h`U`h`g`i`cb`H`k`]H`Y`f`"

; YbYfU`mz`UggYgga YbhHUg_g`a`i`gh`V`Y`gi`Va`]H`Y`X`Y`Y`W`f`cb]W`U`mj`]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`c`gg]V`Y`Z`]h`k`]`V`Y`g`H`Y`X`i`cb`mc i`f`W`ci`fg`Y`g`A`cc`X`Y`g`]H`Y`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` \ck`hc`gi Va]hUgg][ba Ybh`g`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]hUgg][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`" #WUbb`hU`_Ya Ubm
Zcfa gZ`Zca `XY`]VYfUHY`WXUhf]b[`hc`UWV]XYbhU`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`hYI 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`"dfYgYbh]b[`Ubch`Yf`g`]XYUg`cf`k cfXg`k]hCi hWYX]h`

#Uddfcdf]UHY`dUfUd`fUg`" \Ub[]b[`U`Zk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmifYhU]b]b[`hY`cf][]bU`
ghfi W`i fY`UbX`#cf`dfc[fYg`"Z]XYUg`cZ`hY`cf][]bU`z`UbX`]bZcfa U]cb`k]hCi hUW_bck `YX[`Ya Ybh`H\]g`U`gc
Udd`]Yg`]b`dfYgYbhU]cbg`"Y`gca`YcbY`d`Uf]Ud`fUgYg`Ubch`Yf`g`]XYUg`cf`k cfXg`k]hCi hWYX]hU`Y`
d]YW]b[`hc[Yh`Yf`ei chYg`"Uf]Ud`fUgYg`Ubch`Yf`g`]XYUg`cf`k cfXg`k]hCi hUddfcdf]UHY`fYZYfYbW`

7c`i g]cb.`k cf_]b[`k]h`"ndUgg]b[`cZ`h`"Ug`U`dYfgcb`g`]bX]j]Xi U`k cf_]g]cb`U`gc
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d`U[]Uf]g]b[`Uh`Ubm]a YZ`"Ubch`Yf`dYfgcb`hc`"a `Ub`UWUXYa]W]Ug`_zhYU`"UW`i]f]b[
Ubch`Yf`dYfgcb`g`UWUXYa`cf`_`UbX`W`dm]b[`]h`c`"hc`W`a d`Yh`Ubch`Yf`dYfgcb`g`
dUma YbhZcf`W`a d`Yh]b[`]a]Wk cf`"

#Uddfcdf]UHY`W]h]cb.`7`"ci fW`g`k \]W` \Uj Y`"Yb`fYUXZk]hCi hUW_bck `YX[`Y`"gYW`bXUfm`
gci fW`Zca `k \]W`_bck`"Z`hYa `Ug`VYYb`"YX`"

8i d`]W]h]cb`f`f`gY`Z`d`U[]Uf]ga`"k cf`_`]b`k \c`Y`cf`]b`dUf]z`k \YfY`]h`U`"Z`hYa
VYYb`dfYdUfYX`cf`gi Va`]b`cf`Ub`"gga`Ybhcf`W`i fgY`UhI BGK `cf`Ubch`Yf`i b]j Yfg`

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

