



# MUSC1708

65 'DYfZcfa UbWV '@UVcfUhc fm5

HYfa 'C.bY''##'&\$%-

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



7ci fgY`Cj Yfj ]Yk

`GHUZZ7cbhUWhi8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]]m	@cWWhcb	D\cbY
GcbmU`@]ZgWk]m	g"]ZgWk]m4 i bgk "YXi "Ui	VmUddc]bha Ybh	K YVghYf`%\$(	

GWkcc`7cbhUWhi`bZcfa Uh]cb

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

D\cbY.`f\$&L`-`,`,) `(,)\*

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

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

H\Y`GWkcc`cZhY`5fng`UbX`A YX]U`k ci `X`\_]Y`hc`F YgdYWwZ`m5W\_bck`YX[Y`hY`HfUX]h]cbU`7i g]cX]Ubgz`hY`6YXY[U`fP`Ybg]b[`hc`b`WJa`di`gkZ;`UX][U`f7]mUbX`5fh/`8Yg][b`7Ua`di`gYgk`UbX`hY`B[i`bbUk`U`dYcd`Y`f5i`ghU]Ub`8YZYbWV: cfW`5WUXYa`m]b`7UbVYffUk`cZhY`UbXg`k`YfY`YUWk`WJa`di`g`cZI`BGK`]g`cWWhYX"

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`(`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWh5fYU.? ge[U B W d\_ S` UW ? ge[U 7` eW\_ T`W

⊕`h]g'dfUW]W`Wci fgYžmci `k ]`XYj Y`cd`mci f`]bgfhi a YbhU`cf`j cWU`g\_]`g`UbX`[ U]b`YI dYf]YbW`]b`Udd`mj]b[  
hYa`h`fci [ \ `dUfh]WdUh]cb`]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`hY`Wci fgY`UfY`h`Wb]WU`Zci bXUh]cbg`UbX`\YU`h`mdfUW]Wž`Ug`hY`VUg]g  
cZcd]a U`dYfZcfa UbW`UbX`gi gh]b]UV`Y`a i g]W`a U\_]b[ "''''

BchY.`H\]g`]g`U`%&`I C 7`Wci fgY`"Mci `k ]`Ybfc`]b`(` `I C 7`]b`YUW`cZ\h`fY`gi W`Wggj Y`h`fa g`k ]h`U`fYgi`h`  
fYdcfhYX`VmU`g]b[ `Y [ fUXY`Uh`hY`YbX`cZ\hY`h`]fX`(` `I C 7`Wci fgY`"

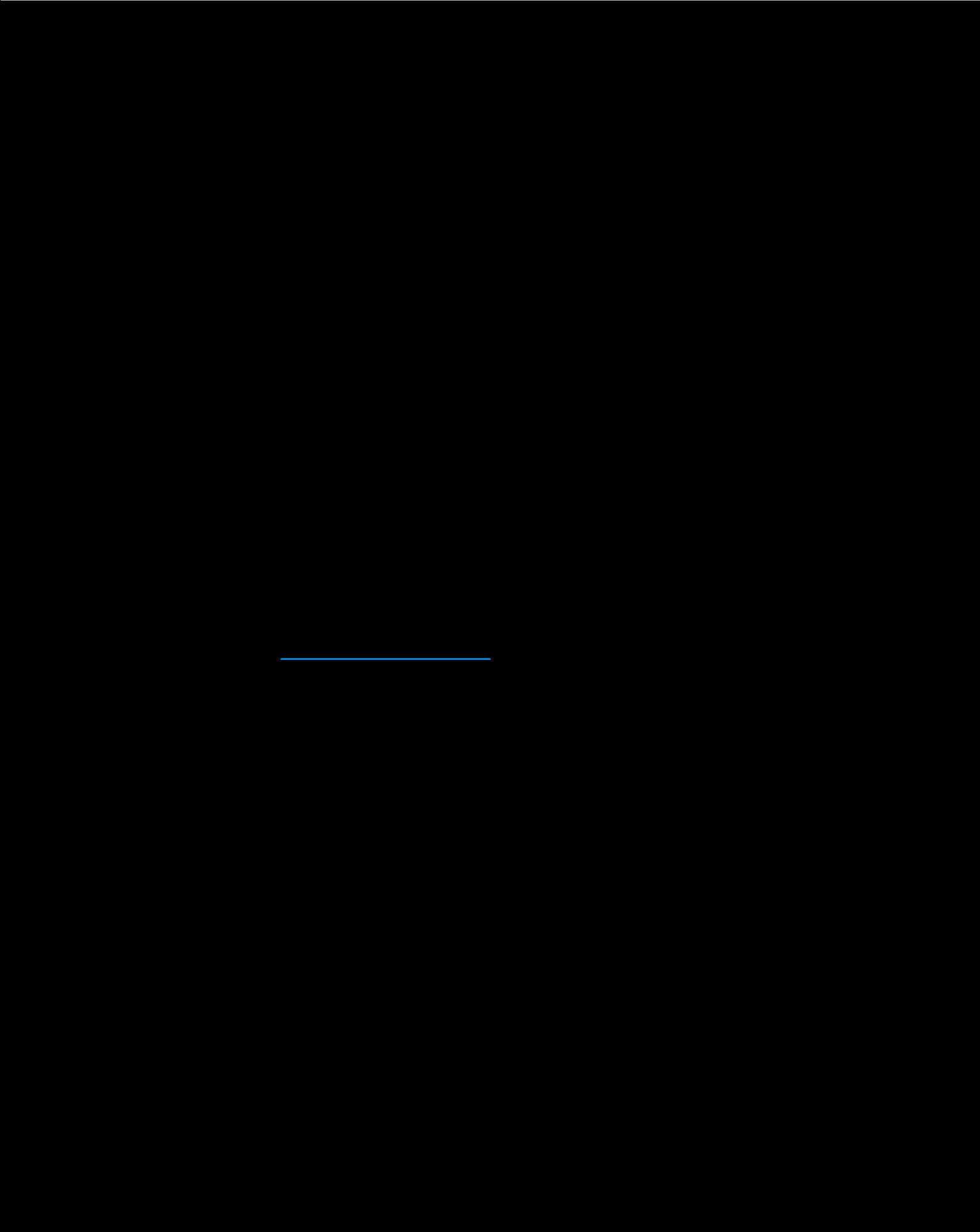
7ci fgY`@YUfb]b[ `Ci hWca Yg

%` 5dd`mi`hY`df]b]W]d`Yg`cZ\YU`h`mdfcZ]gg]cbU`dfUW]W`h`c`j cWU`UbX`]bgfhi a YbhU`h`Wb]ei Y`UbX`  
dYfZcfa UbW`  
&` ⇒XYbh]ZmfY`Uh]cbg\]dg]Ua`cb[ ]ggi Yg`]bZcfa ]b[ `dYfZcfa UbW`dfUW]W`  
'` " 5dd`mdf]b]W]d`Yg`cZ\h`Ua`k`cf`\_`h`a`i`g]WYbgYa`V`Y`

HYUW]b[ `GhfUH[ ]Yg`

⊕`k`cf\_g\cdg`Q`I`%)` \`ci`fg`YUW`h`f]a`YghYfQ`]bgfhi`a`YbhU`UbX`j`cWU`gh`XYbHg`k`]`[`U]b`dYfZcfa`UbW`  
YI`dYf]YbW`"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`hY`XYj`Y`cda`YbhcZghU[`Y`WcbXi`W]UbX`Ub`Y`Ya`YbhcZdYf`cVgYfj`Uh]cb`"Gh`XYbHg`k`]  
UhY`bX`a`UghYfWUggYg`YX`Vm]`]g]h]b[`YI`dYf]g`]b`U`fUb[`Y`cZa`i`g]W`]bgfhi`a`YbHgž`j`c]W`g`UbX`ghmYgž`  
YbWci`fU[ ]b[ `gh`XYbHg`h`XfUk`"]b\_g`UbX`Wca`dUf]gcbg`k`]h`hY]f`dYfgcbU`gh`X]Yg`W]ccg]b[ `( `I`&`\`ci`fg`  
Zca`b]bY`a`UghYfWUggYg`UWfcgg`hY`mYUfQ`5`gh`XYbHg`k`]`dUfh]W]dUH`]b`X]fYW]X`YbgYa`V`Ygž`W]ccg]b[  
Zca`U`k`XY`fUb[`Y`cZa`i`g]W`ghmYg`UbX`W`h`fYg`Q`I`&`\`ci`fg`YUW`h`f]a`YghYfQ`





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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 UbW`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

Øf]YZmci h]bY`\ck `gh XYbhZYXVUW`fVch`Zcfa U`UbX`]bZcfa U`E`cb`h`Y`W`i fgY`k ]``VY [ U`h`Y`f`Y`X`Z`\ck `]h k ]``VY `UbU`mgYX`UbX`\ck `]hk ]``VY `U`W`Y`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 `U`h`k Ug`]X`Y`b`h]Z`Y`X`]b`d`U`gh`Z`Y`X`V`U`W`\_`U`b`X`\`c`k` `h`]g`W`i` fgY`k Ug`W`X`Ub[ YX`hc`U`X`X`f`Y`gg`h`Y ]ggi Y`Q

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Hi fb]hb`Gi Va ]gg]cb

≠mci`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`h`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`"≠mci`  
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`mci`a`Um`Udd`m`Z`f`Ub`YI`H`f`b`g]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`h`bi`a`VY`f`Z`ca`9I`H`f`b`U`Gi`ddcfh`f`U`cb[`k`]h`Ub`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`ddcfh`mci`f`YI`H`f`b`g]cb`Udd`]W`h]cb"≠mci`Ya`U]`9I`H`f`b`U`Gi`ddcfh`mci`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`mci`k`]`b`Y`Y`X`hc`gd`Y`W`Z`W`m`U`g`\_`Z`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`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`c`h`i`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`H`X`i`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`f`b`U`h]`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'U\_Y'a Ubm Zcfa gž Zca 'XY'VYfUHY'WXUhb]b[ 'hc'UWVXYbhU`mWčdm]b[ 'Zca 'U'gci fW'k ]h'ci hUW\_bck 'YX[ Ya Ybh'

I BGK '[ fci dg'd`U[ ]Uf]ga ]bhc'hY'Zč`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 ]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[ YgžUfhUbX'XYg][ b'dfc'YWgžUg'k Y`Ug'dfYgYbhU]cbg'k \YfY'gca YcbY'dfYgYbhg'UbchYf'g'XYUg'cf'k cfXg'k ]h'ci hWYX]h'

#Uddfcdf]UHY'dUfUd\fUg]b[ .7 \Ub[ ]b[ 'U'Zk 'k cfXg'UbX'd\UgYg'k \]Y'a cghmifYU]b]b[ 'hY'cf][ ]bU'gf'i W'fY'UbX#cf'dfc[ fYgg]cb'cZ]XYUg'cZhY'cf][ ]bU'žUbX' ]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\UgYg'UbchYf'g'XYUg'cf'k cfXg'k ]h'ci hWYX]h'UbX'hc'd]YW]b[ 'hc[ Y'hYf'ei chYg'UbX'dUfUd\UgYg' ]bhc'U'bYk 'k \c'Yžk ]h'ci hUddfcdf]UHY'fYZfYbW]b[ "

7c`i g]cb.'k cf\_]b[ 'k ]h'chYfg'Vi hdUgg]b[ 'cZhY'k cf\_'Ug'U'dYfgcb'g' ]bX]j ]Xi U'k cf\_"7c`i g]cb'U'gc ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'hc'UbchYf'gh'XYbhVYZc'fY'hY'Xi Y'XUHYžcf'Zc'f'hY'di fdcgY'cZhYa d`U[ ]Uf]g]b[ 'UhUbm]h]a Yž'dUm]b[ 'UbchYf'dYfgcb'hc'dYfZc'fa 'Ub'UWUXYa ]W]Ug\_žghYU' ]b[ 'cf'UWči ]f]b[ UbchYf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wčdm]b[ ]h'čcZYf]b[ 'hc'Wč'a d'Yh'UbchYf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZc'Wč'a d'Yh]b[ 'UWUXYa ]Wk cf\_"

#Uddfcdf]UHY'W]U]cb.'7 ]h]b[ 'gci fW'g'k \]W\Uj Y'bchVYYb'fYUXžk ]h'ci hUW\_bck 'YX[ ]b[ 'hY'"gYWčbXUfm' gci fW'Zca 'k \]W'\_bck 'YX[ Y'cZhYa '\Ug'VYYb'cVU]bYX"

8i d']WU]cb'f'fY'Zd`U[ ]Uf]ga "L'gi Va ]h]b[ 'mci f'ck b'k cf\_ž]b'k \c'Y'cf' ]b'dUfřk \YfY' ]h\Ug'dfYj ]ci g'm VYYb'dfYdUfYX'cf'gi Va ]hYX'Zc'f'UbchYf'UggYgga Ybhcf'Wč'i fgY'Uhi BGK 'cf'UbchYf'i b]j Yfg]m'

7cffYW'fYZfYbW]b[ 'dfUW]W'g.

- DUfUd\Ug]b[ žgi a a Uf]g]b[ žYggUmk f]h]b[ 'UbX'h]a Y'a UbU[ Ya Ybh





