

MDIA5002

A i `hjd`UhZcfa `UbX`5i X]cj]gi U``>ci fbU`]ga

HYTa ~ Z&\$&%

7 ci fgY`Cj Yfj]Yk

GHJZ 7 cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWU]cb	D\cbY
5bXfYk `6fcc_g	U"Vfcc_g4 i bgk "YXi "Ui	6mUddc]bfa Ybh	F cVYfh K YVghYf ' %B	b#U

GWcc`7cbHJW`bZcfa Uh]cb

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Fcca`' %&ž@Y] Y`' žF cVYfhK YVghYf`6i]X]b[`f] %Ł

D\cbY. f\$&Ł- ' ,) `(,) *

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

K YVghYf. [k k k "Ufng"i bgk "YXi "Ui #gUa](#)

5W_bck`YX[Ya YbhcZ7ci blfm

I B GK `5fngž8Yg][b`UbX`5fWk]fYWhi fY? Ybg]b[hcb`UbX`DUXX]b[hcb`Wla di gYg`UfY`Vi]hcb`5Vcf][]bU`
@UbXg"K Y`dUmci f`fYgdYWhg`hc`hY`6]X}[U`UbX` ; UX][U`dYcd`Yg`k`c`UfY`hY`7i`gfcX]Ubg`cZ`hY`gY`UbXg"
K Y`UW_bck`YX[Y`hY`5Vcf][]bU`UbX`Hc`fYg`G`fU]h`g`UbXY`f`dYcd`Ygž`hY` :]fgh5i`gfcU`Ubgžk`c`gY`UbXgž
k]bXg`UbX`k`U`fYg`k`Y`U`bck`g`UfYž`UbX`dUm`fYgdYWhi`hc`hY`f`i`b]ei`Y`j`U`i`Ygž`UbX`hY`f`V`b`h]bi]b[`UbX
YbXi`f]b[`W`h`fYg`k`\\]W`XYYdYb`UbX`Yb`f]W`hY`Z`cZci`f`b`U`h`cb`UbX`W`a`a`i`b]h`Yg`"

U[Y`W`ci`f`h`g`m`c`Z`h`Y`C`Z]W`c`Z`h`Y`D`f`c`J`]W`!`7`Ub`W`c`f`b`X][Ybci`g`[L`B`G`K`f`g`b`X\]\[Ybci`g`g`f`U`h`\[`m](#)

7ci fgY'8YHJ]`g

I b]hg'cZ7 fYX]h*`

Gi a a UfmicZ\Y'7ci fgY

H\]g'Wci fgY]bfcXi W'g'mci 'hc'hY'a YX]i a 'cZfUX]c'UbX'h'Yj]g]cb'UbX'U]a g'hc'dfYdUfY'mci 'Zc'fc'Yg'Ug
'ci fbU']g]hg']b'hYgY'VfcUXWUgh]bXi g]f]Yg"

Mci 'k]''g]h Xmi'hY'fYgYUfW\z']b]h'fj]Yk 'UbX'dfYgYb]h]cb'g_]`g'fYei]fYX'Zc'f'VfcUXWUgha YX]U'UbX'k]''YUfb
\ck 'hc'gW]dh]g]c]f]Yg'Zc'f'Vch'fUX]c'UbX'h'Yj]g]cb'"Mci 'k]''YUfb'hY'VUg]Wg'cZa]W'cd\cbYz'W]a YfU'UbX
YX]h]b['g_]`g'"Mci 'k]''YUfb'\ck 'hY'a YX]i a 'X]WU]h'g'hY'W\c]W'UbX'dfYgYb]h]cb'cZbYk g'z'UbX'\ck
dfcXi W]cb'W'cb]g]f]U]b]g]UZZYW'hY'Z]bU'dfcXi W"

Mci 'k]''W]h]W'mYb[U[Y'k]h'hY'gc]W]U'z'Y'W'cbca]WU'UbX'dc'j]h]W'fc'Y'cZUi X]c'UbX'Ui X]c]]gi U'a YX]U'z'UbX
k]h'hY'Y'h]W'UbX'dfcZ]gg]cbU'W'cb] Yb]h]cbg'cZ'hY'VfcUXWUgh]bXi g]f]f]"

7ci fgY'@YUfb]b['Ci hW'ca Yg

%" F YgYUfW\z']b]h'fj]Yk z'UbX'dfcXi W]cb'cZ]g]c]f]Yg'Zc'f'VfcUXWUgha YX]U
&" 8Ya cb]g]f]U]h'U'W]h]W'Uk UfYbYgg'cZ'hY'df]b]W]d'Yg'UbX'dfU]W]W'g'cZVfcUXWUgh'ci fbU']ga
' "' : cfa i 'U]h'UbX'UggYgg]g]f]U]h']Yg'Zc'f'dfcXi W]b['VfcUXWUgha YX]U

HYUWX]b['G]f]U]h']Yg'

HYUWX]b['G]f]U]h']Yg.

H\]g'Wci fgY'k]''Uf[Y'mVY'f]i [\h]Z]W'hc'Z]W']b'U'Y'W'i fY'hYU]fY'Ybj]f]c]ba Yb]h]Vi h'hY'fY'k]''VY'gca Y
dfU]W]W'gYgg]cb]g']b]W]i X]b[]'b'hY'Ui X]c'g]h'X]c'UbX'i g]b[]']X]Yc'W]a YfUg" H\Y'fY'k]''VY'U'g]f]c]b[
Ya d\Ug]g'cb'Yb]W'ci fU[]b['g]h'XYb]h]d]U]f]h]W]d]U]h]cb]b'hY'dfcW]gg'cZ'YUfb]b["'G]h'XYb]h]g'k]''VY'U]W]h]j Y'm
Yb[U[YX]]b'g'c'j]b['dfcV'Ya g'dc]gYX'V]m'hY'Y'W'i fYf'"G]h'XYb]h'YUfb]b['k]''VY'Yb\Ub]W]X'V]m'hY'i gY'cZ]W]gY
g]h'X]Yg"

5ggYgga Ybh

5ggYgga YbhUg_	K Y][\h	8i Y'8UH'	7ci fgY'@YUfb]b[Ci hWca Yg'5ggYggYX
%"5bU'mg]g'cZVfcUXWUgh ^ci fbU]ga	(\$i	%, #/\$#&\$&%%%)) 'DA	&ž'
&">ci fbU]gh]Wa YX]U'gW]dh	* \$i	%- #/\$#&\$&%%%)) 'DA	%ž' &ž'

5ggYgga Ybh% 5bU'mg]g'cZVfcUXWUgh^ci fbU]ga

8i Y'XUH'. \$, #/\$#&\$&%%%)) 'DA

%) \$\$'k cfXg

F YZYW]b['cb'hY'df]bW]d'Yg'UbX'dfUW]W'g'cZVfcUXWUgh^ci fbU]ga žghi XYbh'UbU'mgY'gY'YW]X'VfcUXWUgh
^ci fbU]ga 'hY hg''

: YYXVUW_j]U'@A G

H\]g'Ugg][ba Ybh]g'gi Va]hYX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbh'W]b'gYY'Hi fb]hb'gja]Uf]mfYdcftg"

5XX]h]cbU'XYH]g

Mci 'UfY'fYei]fYX'h'UbU'mgY'U'd]YW'cZVfcUXWUgh^ci fbU]ga 'cZmci f'W]ccg]b["'#h'lg'Wci fgY'k Y'UfY

H\]g'Ugg][ba Ybh]g'gi Va]hX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'Wb'gYY'Hi fb]hb'gja]Uf]mfYdcftg"

5XX]h]cbU'XYHJ]g

Mci 'UfY'hc'dfcXi W'U'%) \$\$'ei fbU]gh]Wa YX]U'gW]dhZc'f'U'ZYUhi fY'g'hc'fm'H\Y'gW]dhWb'VY'Zc'f'UbmZc'fa 'cZ VfcUXWUgh'ei fbU]ga ž]bWl X]b[. fUX]cž'h'Yj]g]cbž'dcXWUghž'hk]hY'f#g'WU'a YX]U'fYdcftU[Y" 'Mci 'UfY fYei]fYX'hc'fYgYUfVXžXYj Y'cdžXfUžž'UbX'dfYdUfY'nci f'ZYUhi fY'g'hc'fmgW]dhk]h'U'hYbh]cb'hc'h'Y'gm]gh]W W'bj Ybh]cbg'UbX'h'VXb]W'W'bg]XYfU]cbg'cZnci f'VXcgYb'VfcUXWUgha YX]U" 'H\Y'gW]dha i ghVY'dfcdYfm fYZYfYbW'X" ǂ'UXX]h]cbž'nci 'UfY'fYei]fYX'hc'gi Va]hU') \$\$'k'cfX'YI Y[Yg]g'k \]W'fYZYWg'cb'h'Y'dfcW'gg'cZ fYgYUfVX'UbX'Uf]h]W'U'hY'g'ack 'h'Y'gW]dhk Ug'h]c'fYX'hc'h'Y'VXcgYb'VfcUXWUgha YX]U"

H\YfY'k]'VY'Ub'cddcfh b]hmi'hc'k cf_g\cd'h'g'UggYgga Ybh]b'WUgg]b'h'Y'YUX!i d'hc'gi Va]gg]cb"

Gh XYbhg'k]'VY'dfcj]YX'k]h'k'f]h'Y'b'ZYXVUW_j]U'h'Y'@YUfb]b['A UbU[Ya YbhGmg]Ya "

5 hYbXUbW`F Yei]fYa Ybhg

Gh XYbfg`UFY`gfc b[`mYbWci fU[YX`tc`UhhYbX`U`WUggYg`UbX`fYj`]Yk`YWh`fY`fYWcfX]b[`g"

7 ci fgY`GW`YXi`Y`

[J \]Yk`WUgg`ha`YhUV`Y`](#)

H]a`YhUV`Y`

8UhY	HmdY	7cbhYbh
K`YY_`%`%`GYdhYa`VYf`! !`%+`GYdhYa`VYf`	GYa`]bUf`	h`f`c`X`i`W`]`c`b`. `K` \`U`h`]`g`V`f`c`U`X`W`U`g`h`a`Y`X`]`U`3`
K`YY_`&.`&\$`GYdhYa`VYf`! !`&(`GYdhYa`VYf`	GYa`]bUf`	A`Y`X`]`U`d`U`g`h`g`U`b`X`Z`i`h`i`f`Y`g`. `V`f`c`U`X`W`U`g`h`i`c`i`f`b`U`]`g`a`]`b`U`V`X`U`b`[`]`b`[`a`Y`X`]`U`U`b`X`g`W`U`d`Y`
K`YY_`"`. `&+`GYdhYa`VYf`! !`%`C`W`c`V`Y`f`	GYa`]bUf`	F`Y`g`Y`U`f`W`a`Y`h`c`X`c`c`[`]`Y`g`. `Y`h`]`W`g`U`b`X`d`c`h`]`W`g` c`Z`W`f`Y`U`h`]`b`[`W`c`b`h`Y`b`h`
K`YY_`(`(`C`W`c`V`Y`f`!`,` C`W`c`V`Y`f`	GYa`]bUf`	G`W`f`d`h`]`b`[`U`b`X`9`X`h`]`b`[`
K`YY_`)`.`%`%`C`W`c`V`Y`f`! %)`C`W`c`V`Y`f`	GYa`]bUf`	7`h`h`n`Y`b`>`c`i`f`b`U`]`g`a`
K`YY_`*`. `%`C`W`c`V`Y`f`! &&`C`W`c`V`Y`f`	GYa`]bUf`	G`H`I`8`M`K`9`9`?`. `B`c`G`Y`a`]`b`U`f`
K`YY_`+`. `&)`C`W`c`V`Y`f`! &-`C`W`c`V`Y`f`	GYa`]bUf`	H`J`U`b`X`F`U`X`c`
K`YY_`,`.`%`B`c`j`Y`a`V`Y`f`!)`B`c`j`Y`a`V`Y`f`	GYa`]bUf`	D`c`X`W`U`g`h`]`b`[`
K`YY_`-`. `.`B`c`j`Y`a`V`Y`f`! %&`B`c`j`Y`a`V`Y`f`	GYa`]bUf`	A`c`V`]`Y`>`c`i`f`b`U`]`g`a`
K`YY_`%\$.`%)`B`c`j`Y`a`V`Y`f`! !`%`-`B`c`j`Y`a`V`Y`f`	GYa`]bUf`	K`c`f`_`g`\\`c`d`

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

GYY`A ccXY

F YWca a YbXYX`F Ygci fWg

GYY`A ccXY

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

Gh XYbhZYXVUW_`Wb`VY` []j Yb`h`fci [\ `A m9l dYf]YbVW`UbX`h`fci [\ `X]fYWhgi [[Ygh]cbg`h`h`Y`W`i fgY`
W`bj Ybcf`

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

Hi fb]h]b`Gi Va]gg]cb

≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`Ug`Y`
HY`Yd`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`)`"``"``%`cf`Ya`U]`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`""Gi`ddc`fh`
`l`ci`fg`Uf`Y`,`.\$`\$Ua`-`-%`\$.\$`\$da`i`cb`k`YY`_X`Umg`U`b`X`-`.\$`\$Ua`-`-`).`\$`\$da`i`cb`k`YY`_Y`b`X`g`f`l`*)`X`Umg`U`m`Y`U`f`l`"≠mci`
Uf`Y`i`b`U`V`Y`h`c`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`h`c`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`a`Um`U`dd`m`Z`c`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`
a`i`gh`f`Y`h]b`mci`f`h]W`Y`h`bi`a`V`Y`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Y`j`U`b`h`X`c`W`a`Y`b`h`g`k`h`c`
]b`Wi`X`Y`U`g`Y`j`]X`Y`b`W`h`c`gi`ddc`fh`mci`f`YI`HY`bg]cb`U`dd`]W`h]cb`"≠mci`Ya`U]`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`
Ui`h`c`a`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`h`bi`a`V`Y`f`z`Vi`h]Z`mci`HY`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`h`c`g`d`Y`W`Z]W`U`m`U`g`_`Z`c`f`c`b`Y`"
Hi`fb]h]b`U`g`c`d`f`c`j`]X`Y`g`i`d`X`U`h`Y`g`c`b`h`Y`]f`g`m`g`h`Y`a`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Y`b`Y`f`U`m`z`U`gg`Y`g`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`
U`gg][`ba`Y`b`h`i`h`]b`g`h`U`b`W`g`k` \Y`f`Y`h`l`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`X`c`b`mci`f`W`c`i`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`c`f`]b`Z`c`f`a`U`h]c`b`c`b`l`c`k`h`c`gi`Va`]h`U`gg][`ba`Y`b`h`g`c`b`]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!`
gi`Va`]h`U`gg][`ba`Y`b`h`a`cc`X`Y`"

5 WUXYa]W< cbYgmiUbX`D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b[`h`Y`k cfXg`cf]XYUg`cZc`h`Yfg`UbX`dFYgYb]b[`h`Ya `Ug`mci f`ck b`" #WUb`hU`Y`a`Ubm
Zcfa gZ`Zca`XY`]VYfUHY`WX`YU]b[`hc`UW]XYb]U`m`Wc]dm]b[`Zca`U`gci fW`k`]h`ci hUW`bck`YX[Ya`Yb]h`

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

7 c]d]m]b[.`I` g]b[`h`Y`gUa`Y`cf]j`Yfmg]a`]Uf`k`cfXg`hc`h`Y`cf][]bU`hY`hcf]XYU`k`]h`ci hUW`bck`YX[]b[`h`Y`
gci fW`cf`i`g]b[`ei`c]h]cb`a`Uf`g`"H`]g`]bW] XYg`Wc]dm]b[`a`U]Yf]U`gZ]XYUg`cf`Wc]bW]d]hg`Zca`U`Vcc`Z`U]f]WY`Z`
fYdc]f]hcf`c]h`Yf`k`f]hYb`XcW`a`Yb]Z`dFYgYb]h]cb]Z`Wc`a`dcg]h]cb]Z`U]f]k`cf`Z`XYg][bZ`XfUk`]b[Z`W]fW`]h]mZ`Wc`a`di`hYf`
dfc[fUa`cf`gc`Zk`UfY`Zk`YVg]hY`Z`]b]hYfbY]Z`c]h`Yf`Y`Y`W]fcb]W]fYgci fW`Z`cf`Ubch`Yf`dYfgcb]f]g]Ugg][ba`Ybhk`]h`ci h`
Uddfc]df]U]hY`UW`bck`YX[Ya`Yb]h`

#Uddfc]df]U]hY`dUfUd`fUg]b[.`7` \Ub[]b[`U`Zk`k`cfXg`UbX`d`fUgYg`k` \]Y`a`cghm]fY]U]b]b[`h`Y`cf][]bU`
]bZcfa`U]cb]Z`g]h]i`W]i`fY`UbX`#`f`dfc[fYgg]cb`cZ]XYUg`cZ`h`Y`cf][]bU`k`]h`ci hUW`bck`YX[Ya`Yb]h`H`]g`U`gc`
Udd`]Yg`]b`dFYgYb]h]cb]g`k` \YfY`gca`YcbY`dUfUd`fUgYg`Ubch`Yf`g`]XYUg`cf`k`cfXg`k`]h`ci hW]YX]h]UbX`hc`
d]Y]W]b[`hc[Y]h`Yf`ei`c]hYg`UbX`dUfUd`fUgYg`]b]c`U`bYk`k` \c`Y`Zk`]h`ci hUddfc]df]U]hY`fY`ZYf]b]W]b["

7 c`i`g]cb.`K`cf`_]b[`k]h]cb]hYfg]i`V]h]g]U]g]b[]Zc]Z`h`Yf`k`d]g`U]g]U]d]Yfg]b]X`]g]i]b]X]f`cf`k`]c`i`Zc]a`U`gc`
]bW] XYg`dfc]j`X]b[`mci`f`k`cf`_`hc`Ubch`Yf`gh`XYbh]Zc`f`h`Y`di`fdcgY`cZ`h`Ya`d`U[]Uf]g]b[Z`dUm]b[`Ubch`Yf`
dYfgcb`hc`dYfZcfa`Ub`UWXYa`]W]Ug`Z`gh`U`]b[`cf`U]W]e]i`]f]b[`Ubch`Yf`dYfgcb`g`UWXYa`]Wk`cf`_`UbX`Wc]dm]b[
]hZ`cZ]Yf]b[`hc`Wc`a`d`Y]hY`Ubch`Yf`dYfgcb`g`k`cf`_`cf`gYY`_]b[`dU]m]a`Ybh]Zc`f`Wc`a`d`Y]h]b[`UWXYa`]Wk`cf`_`

#Uddfc]df]U]hY`W]h]cb.`7`]h]b[`gci`fW`g`k` \]W` \Uj`Y`bchV]Yb`fYUXZk`]h`ci hUW`bck`YX[]b[`h`Y`
"gY`Wc]bXUf]m`gci`fW`Zca`k` \]W`_`bck`YX[Y`cZ`h`Ya` \Ug`V]Yb`cV]U]b]YX"

8i`d`]W]h]cb`f]f]gY`Z`d`U[]Uf]ga`"E`Gi`Va`]h]b[`mci`f`ck`b`k`cf`_`Z`]b`k` \c`Y`cf`]b`dU]f]Zk` \YfY`]h` \Ug`dFY]`]ci`g`m`
V]Yb`dFYdUfYX`cf`gi`Va`]h]YX`Zc`f`Ubch`Yf`UggYgga`Ybhcf`Wc`i`fgY`U]h] BGK`cf`Ubch`Yf`i`b]j`Yfg]m`

7 cffYW]h]fYZY& W Yj \$

5 WUXYa]W=Zcfa Uh]cb

8i Y'rc'Yj c'j]b['UXj]W'VmB GK ' < YU'hž'gh XYbh'ia i gh'WXYW'Zcf'i dXU'YX']bZcfa Uh]cb'fY[UfX]b['cb']bY
'YUfb]b['Zcf'U''5f'gž'8Yg][b'UbX'5f'W]H'W' fY'W' i fgYg'h'g'h'fa 'fj]U'A ccX'Y'cf'W' i fgY']bZcfa Uh]cb
dfcj]XYX"Ł

: cf'YggYbh]U'gh XYbh]bZcfa Uh]cb'fY'Uh]b['rc.

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